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Lower Extremity Review

Lower Extremity Review

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Mission statement:

Lower Extremity Review informs healthcare practitioners on current developments in the diagnosis, treatment, and prevention of lower extremity injuries. LER encourages a collaborative multidisciplinary clinical approach with an emphasis on functional outcomes and evidence-based medicine.

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out on a limb: Hitting on all cylinders

Welcome to the 2017 LER Resource Guide. With a new president taking office shortly and a lot of uncertainty, it is imperative that you stay vigilant and focused on providing the best care for your patients. Finding the right fit is important, but no one product will be the best fit for every patient. That's why you need access to a wide range of options. With over 30 categories and indications, the Resource Guide once again hits on all cylinders, sourcing the information you need in your daily practice to produce the best outcome.

Our team of writers and editors work tirelessly to provide you the most comprehensive and accurate guide for products and service in the lower extremity market. The indication and product cataloging format makes looking for products that you may be interested easier than ever. In addition, we have profiled 18 companies that are on the cutting edge of lower extremity care. These company profiles will give you a better sense of each company and an understanding of who you are working with and if they fit your needs.

Thank you for making the LER Resource Guide you go-to for lower extremity products and services.

Rich Dubin, Founder and CEO

Stau informed

At lermagazine.com, view all previously published LER articles in our searchable archives, including complete lists of references. Our search engine at LERresourceguide.com is designed to provide easy access to all products and companies





Get involved













Esteemed German-based orthotic distributor expands product line to U.S. markets BY ROBYN PARET

If you're not already familiar with Bauerfeind AG, that may soon be about to change. The German-based orthotic powerhouse has spent more than 80 years growing its line of orthoses and medical compression stockings for the athletic market. It is now poised to become a household name at U.S. orthopedic clinics.

To back up a bit, European orthopedic doctors, clinicians and therapists have been recommending and prescribing Bauerfeind's braces and supports for years. "Our many years of experience and knowledge gained from supplying athletes and consumers alike are incorporated into the ongoing development of our products. At Bauerfeind, motion is life, the company stated.

Bauerfeind's 50 lower extremity orthotic devices are designed with German ingenuity with one primary goal in mind: Help patients regain their mobility and well being. At the same time, the devices help reduce pain, stimulate healing with medical grade compression, and help maximize range of motion.

"We design devices to be part of your life and increase your quality of life over time," said Scott Borjeson, U.S. Director of Marketing HCP. "Apart from the therapeutic effect, the devices are low profile and not bulky. We make it easy to put them on and take them off."

Building traction in the United States Professional athletes already use Bauerfeind's devices to perform at the top of their game. In fact, the National Basketball Athletic Trainers Association (NBATA) has endorsed the company, and 27 NBA teams use Bauerfeind's supports and braces. With a stronghold in the sports market, Bauerfeind got another vote of confidence from the Arthritis Foundation in December 2016, which tested and approved Bauerfeind's knee orthotic devices for patients with arthritis.

With the support of both the NBATA and the Arthritis Foundation, Bauerfeind USA is expanding its brand awareness by moving into orthopedic, clinical and physical therapy centers. Based out of its new U.S. headquarters in Atlanta, GA,

the company and its sales team will focus on educating orthopedic doctors and therapists about Bauerfeind's orthoses. They also plan to increase their presence at major industry meetings and events, and deliver educational information via mailings, direct marketing campaigns and news articles, Borjeson said.

"It's important for the orthopedic community to understand that we're not a post-op company. Rather, Bauerfeind devices are an essential part of a comprehensive clinical approach to pain management and physical therapy," he said. soft supports and hinged braces. Designed to provide pain relief and stabilization in the knees, the devices offer soothing support for muscles, joints and ligaments. All told, GenuTrain braces help many conditions, including knee pain and swelling caused by osteoarthritis, misalignment of the kneecap, and post-surgery rehabilitation.

If you're looking for braces and supports to help manage ankle pain and stabilization, Bauerfeind's AchilloTrain, MalleoTrain and MalleoLoc orthoses have you covered. The AchilloTrain and AchilloTrain Pro supports help relieve

"Our many years of experience and knowledge gained from supplying athletes and consumers alike are incorporated into the ongoing development of our products."

-Scott Borjeson, U.S. Director of Marketing HCP

Bauerfeind has a 'leg up' on innovative orthoses

When it comes to developing top-notch orthoses—driven by technological innovation and an attention to detail—leave it to Bauerfeind.

Founded in 1929 by Bruno Bauerfeind, the textile company started with only one product category: medical compression stockings. Still run by the Bauerfeind family today, the company now uses computer-aided measurement and milling technology to fabricate the most effective and comfortable textile stabilization supports and braces in the industry.

Bauerfeind first widened its net to include orthoses in 1981, when it introduced its first GenuTrain knee support. Always looking to help athletes, this first knee device was a result of a request from the German soccer team. As the story goes, the team approached Bauerfeind and asked if it could manufacture a comfortable knitted knee brace that also offered compression technology, said Borjeson.

GenuTrain is now the company's topselling line and includes a selection of pain and inflammation in the Achilles tendon while promoting mobility. With an integrated, removable heel wedge and a second wedge to keep leg lengths equal, a patient can adjust the brace to suit his or her comfort. The self-shaping Malle-oLoc and MalleoTrain knit braces, on the other hand, can be used to support ankle sprains, ligament weakness or extreme sports overload injuries.

In addition to its knee and ankle devices, Bauerfeind touts its breathable and comfortable MyoTrain product line. Offering an alternative to physical therapy taping, MyoTrain braces and supports help heal and relieve pain for muscle injuries that include muscle tears, pulls and bruising to the thighs and hamstrings. The thigh braces use viscoelastic cushion pads for flexible stability. MyoTrain's knit and strap system, combined with two removable pressure cushions, also reduces swelling and accelerates healing.

Robyn Parets is a freelance writer based in Boston.

Article sponsored by Bauerfeind.

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AchilloTrain ankle support relieves pain from acute injury of the Achilles tendon and stabilizes without restricting mobility. Soft, moisture-wicking support ideal for postsurgical therapy, tendinitis, and pain in the back of the heel. AchilloTrain Pro is also available for Achilles pain relief to promote an active lifestyle.



Bauerfeind USA

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The patented Arizona Mezzo is the 'happy medium' between a UCBL and the standard Arizona Brace.

The custom fabricated Arizona Mezzo provides support for a variety of midfoot and hindfoot conditions requiring superior longitudinal arch support. Its low-profile design and soft leather lining mean easy shoe fit, exceptional comfort and greater patient compliance. Partial Foot Arizona Mezzo also available.



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Taking on a national health crisis

BY SUZANNE WRIGHT

Leaders lead. When your company is acknowledged by colleagues, competitors and patients as industry-leading, innovation is a given. So it's no surprise that Arizona AFO redoubled its efforts in 2016 to effectively address a growing national healthcare concern while also bringing to market a device that filled an industry-wide void and instantly struck a chord with practitioners and patients alike.

"Throughout the healthcare community and all the way up to the Centers for Disease Control, falls are now recognized as public health risk," said Jason Kraus, president and chief operating officer of Arizona AFO. "The American Podiatric Medical Association passed a resolution for the first time in 2016 stating that the podiatric physician is essential to addressing the public health problem represented by falls. Everyone focused on lower extremity health has an important role to play in prevention as well as treatment."

The costs related to falls, measured in both economic and human terms, are startling.

According to the Centers for Disease Control and Prevention, by the year 2030, 71 million Americans will be 65 or older. Every day, an estimated 10,000 people turn 65, and this trend is expected to continue for the next two decades. Fall-related injuries account for an estimated \$34 billion to the U.S. healthcare system each year. Falls are the leading cause of injury-related hospitalizations in those 65 or older. After a fall, nearly two-thirds of patients are discharged to nursing facilities, though half will not return to independent living. Falls also account for 40% of injury-related deaths.

Good for patients, good for business

"This is a complicated problem and there are many things we can and should be doing to mitigate the risk of falls in our elderly population," said Kraus. "Our Moore Balance Brace (MBB) has been prescribed to tens of thousands of patients across the U.S. who are now leading safer and more independent lives. The MBB is not a panacea, of course. It is best prescribed as part of a fall risk protocol that includes physical and occu-

pational therapy, strength training, regular eye and ear checkups."

Thanks in part to parent company OHI's fall risk advocacy, fall risk management has become a focus among both physicians and end users. The MBB is the only balance brace proven in a peerreviewed clinical study to improve balance. According to the study, the MBB has "an immediate effect...on postural stability in older adults." Another study focusing on the MBB is ongoing at Baylor University.

To assist practitioners, Arizona AFO has created a free webinar that provides step-by-step instructions for adding a comprehensive balance program to their practice. This course is designed to

Arizona Mezzo, a patented, custom-fabricated brace designed by Dennis Janisse, CPed, an internationally known pedorthic educator exclusive to Arizona AFO. Released in July 2016, it is a "happy medium" between a UCBL and the company's namesake Arizona Brace.

Before licensing it, Kraus and his team took samples to trade shows and watched practitioner after practitioner pick it up and offer positive feedback. Kraus characterizes the Mezzo as one of those "whydidn't-we-think-of-it-sooner" types of products that ticks the aesthetics box and therefore increases patient compliance.

The Mezzo is an excellent option for patients who suffer from painful foot and ankle problems like arthritis, tendinitis,

Arizona AFO redoubled its efforts in 2016 to effectively address a growing national healthcare concern while also bringing to market a device that filled an industry-wide void and instantly struck a chord with practitioners and patients alike.

teach healthcare professionals what they need to know about identifying patients who may be at risk for falls, administering a fall risk assessment, and developing a comprehensive treatment plan.

This kind of proactive approach is not just good for patients. It's good for the bottom line—especially at a time when changes to the Affordable Care Act (ACA) may emerge over the coming years.

"The ACA is still the law of the land," Kraus noted. "And the centerpiece is reducing costs of a bloated system and achieving quality outcomes that are proportional to healthcare spending. Medicare initiatives are pivoting away from a fee-for-treatment or transactional model, to a value-for-care model. Accessible and affordable solutions, such as assistive devices like braces and footwear, provide patients with solutions to prevent catastrophic problems. As a company, we are very much in sync with where healthcare is going."

A new brace solves old problems That's why Kraus is excited about the and overuse injuries.

"Nobody wants to be in a brace," Kraus said. "Patients often refuse to use traditional bracing systems because they are bulky, hard to hide under clothes and draw unwanted attention to themselves. This brace helps to alleviate pain due to various hindfoot, midfoot and ankle conditions, while being streamlined, simple to use and easy to fit into virtually any shoe."

Sales have been brisk.

"The Mezzo has seemingly captured the attention and imagination of both prescribers and patients because it addresses pain points and it works well," said Kraus.

"All of our products are aligned to provide alternatives to expensive, invasive and risky procedures," said Kraus. "There's a business rationale to everything we bring to the brand and in turn, to our clients and their patients. We are white-hot focused on helping people live safer, more independent lives."

Article sponsored by Arizona AFO.

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Anatomical Concepts, Inc. is the original developer and only manufacturer of the trademark PRAFO Orthosis that proudly continues to be the professionals' gold standard AFO. We have developed and patented many other multi-functional ankle-foot variations to provide immediate availability and rehabilitative options for medical professionals for their patients' specific needs...



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A proud member of OHI's family of brands focused on treating conditions and diseases of the lower extremities, Arizona AFO has been the premiere fabricator of custom-made ankle foot orthoses since 2004. The company's namesake Arizona Brace not only invented a new product category, it pushed the industry in a whole new direction.



Arizona AFO, Inc. 4825 E. Ingram St. Mesa, AZ 85205 Toll Free: 877/780-8382

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(CustomComposite

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cc-mfg.com



KeepingPace manufactures therapeutic footwear for children with cerebral palsy, Down syndrome, and other conditions that require adaptive footwear and seamless AFO socks. KeepingPace footwear integrates a wider, deeper heel and toe box for accommodating orthotic devices and three adjustable inner soles for a better fit. Styles include athletic and dress shoes, sandals, and boots. Available March 2017: heel-entry shoe.



KeepingPace

Children's Orthopedic Footwear 18 Sargent St., Suite F Gloucester, MA 01930 Phone: 978/526-0020

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Levy⁴?appel

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Company Profile on p. 40



The Richie Brace is a unique custom AFO that has revolutionized the orthotic industry over the past 10 years. Unmatched for comfort, fit, and function, the Richie Brace is ideally suited for treatment of PTTD, drop foot conditions, and degenerative arthritis of the ankle and hindfoot.



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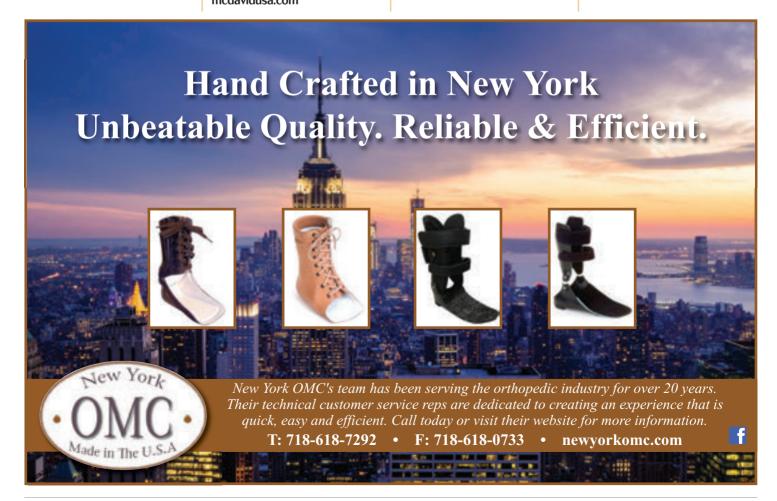
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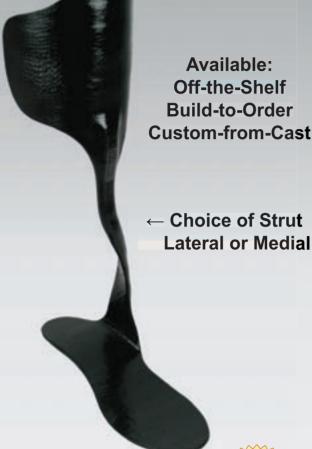
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Eponymous brace remains mainstay of evolving company BY CARY GRONER

Douglas Richie, DPM, inventor of the Richie Brace, continues to push the boundaries of technology and design. He will soon add two pathology-specific braces to his existing line of ten models—one targeted to patients with Achilles pathology, another for those with diabetes who've had partial foot amputations.

"These patients have in common the loss of propulsive ability, and the new braces will seek to address that deficit while still providing protection," Richie said.

It's been an innovative twenty years for Richie. In 1996, after years of sports podiatry practice, he was frustrated by the challenge of fitting sport ankle braces to patients who also wore custom foot orthoses. The two products should have worked naturally together, but because neither was made with the other in mind, the result was often ungainly and uncomfortable.

"Podiatrists didn't know much about ankle-foot orthoses at the time," Richie said. "We weren't taught about the devices in school, and when we were in clinical practice we didn't have relationships with vendors who could supply them."

The situation has changed, obviously. According to Richie, roughly 40,000 custom AFOs are now prescribed annually. One reason for the increase, of course, is the Richie Brace itself, which he developed and launched in 1996. Another innovation was the distribution network of established foot orthotic labs he put together.

"Those labs compete fiercely with each other, but they like our products and trust me," Richie said. "The labs offer products and services I can't, too. For example, about eighty percent of our prescriptions are for a unilateral brace, but many patients require a foot orthotic on the contralateral side, and it's nice to have a distributor who can provide that."

The original Richie Brace, which still accounts for 85% of the company's sales, offers a nonoperative approach to pathologies such as chronic ankle instability and mild to moderate posterior tibial tendon dysfunction (PTTD).

"When doctors initially started saying they wanted to use the brace for PTTD and severe ankle deformities, I was skeptical, because I considered it a sport brace for athletes," Richie said. "But I kept hearing how effective the brace was for PTTD, so I worked with several people, including certified orthotists, to improve the original design and develop new models for specific problems."

The restricted-hinge variation of the basic brace is designed for patients with degenerative joint disease (DJD, typically osteoarthritis) of the ankle or rearfoot. It's also used to treat dropfoot as long as the

Richie offers Gauntlet and California AFO models for more severe problems such as severe joint disease, Charcot arthropathy, or Stage III and IV adult-acquired flatfoot. There are also two models that use straps to suspend the arch, medially or laterally, to provide support without bulk.

Richie sees two trends that may significantly affect how his braces, and similar products, are prescribed. The first is the ongoing development of foot and leg scanners that could make casting obsolete. Such devices are still prohibitive for podiatry practices, but Richie thinks that

Roughly 40,000 custom AFOs are now prescribed annually. One reason for the increase, of course, is the Richie Brace itself, which Richie developed in 1996.

patient has a stable knee.

"Patients who've had severe ankle fractures often progress to arthritis," Richie explained. "But for some patients, fusion isn't a great option, and many of our best testimonials come from those who've achieved significant pain relief with our braces."

Richie offers two other braces for dropfoot conditions: the Dynamic Assist (for patients with dropfoot without equinus, absent spasticity, with stable knees; as well as those with peroneal nerve injury, post-stroke, or post-CVA problems), and the Richie Solid AFO (for those with severe dropfoot with spasticity and/or unstable knees).

"In all bracing, the goal is to preserve joint motion," Richie said. "Any orthotist would rather treat dropfoot using a device with a dynamic hinge. But if the patient has an unstable knee, you can't let the ankle move; then you need a solid AFO. You also need a solid device in cases of spasticity or contracture, such as in MS or cerebral palsy."

within a year they may become affordable, which would be a game changer. One problem, however, is that casting offers clinicians an opportunity to make corrections before fabricating the AFO, but there's no equivalent in the new methodology yet.

"Fabricators or labs can correct varus and valgus easily if they have a plaster model," he said. "But when you go to CAD/CAM, you're no longer working with the three-dimensional model, so you have to find a way to balance for forefoot and rearfoot deformities."

The second trend is likely to be increased scrutiny of insurance and Medicare reimbursement rates for AFOs. In response, Richie may develop a "library system" of off-the-shelf devices to complement the two it now offers.

Cary Groner is a freelance writer in the San Francisco Bay Area.

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Custom Composite Manufacturing

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CyberKinetics

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New program Acor PRIME streamlines the ordering process for custom products BY LER STAFF

Acor PRIME, which launched in August, is a new program that offers free shipping both ways, free modifications on arch supports, and a free roll of fiberglass casting tape for gauntlet and Richie Brace orders. PRIME simplifies the ordering process and addresses the pricing issue as an all-inclusive program for custom products.

According to Jeffrey Alaimo, Acor CPO and president, "We looked at the vast majority of what customers were ordering and included those items in PRIME," he said. "Customers will now know exactly what their order will cost upfront with no sticker shock, and so far people have been identifying well with a controlled cost that keeps their gross profit consistent across multiple product configurations."

Acor's manufacturing plant and central fabrication services are located in Cleveland, OH, where it processes and produces its entire product line: fabrication materials, custom foot orthoses, leather gauntlets, Charcot restraint orthotic walkers (CROWs), QuikFit Pro prefabricated foot orthoses, Richie Braces, and stock therapeutic footwear such as Drew, Orthofeet, and Oasis.

"Other recent improvements in our systems include the Acor Central Fabrication services," said Joseph Merolla, Acor director of sales. "All custom orthotic orders are now processed through our EZ-Fab Fabrication and Order Management Service. This allows companies to see where their orders are in production in real-time, so they always know exactly when they can expect to receive them."

In addition, said Merolla, the system integrates with Acor's new digital scanning technology, making it possible to scan the patient, enter the order online, and track the entire production process. This eliminates the time lag of shipping the negative to Acor, since the order and the impression are all sent electronically.

"The ordering system is part of Acor's commitment to meeting its customers' ever-changing needs," he said. "Our goal is to eliminate guessing and provide our

customers with a seamless experience that starts from the moment they place an order and continues until the item has been shipped on time and received."

As part of Acor's continued focus on customer service and delivery, same-day shipment of more material products has been expanded, Merolla said. Acor has increased the level of in-stock converted materials by 20%, which will allow the company to ship a higher percentage of material orders on the day they are received.

Added materials, colors

A recent addition to Acor's orthotic materials line is high-density DuraForm EVA

Durable laminates

Listening to its customers has paid dividends for Acor. When customers asked for more durable laminates, Acor responded in 2014 by updating its manufacturing processes to supply them.

"Acor changed its materials handling processes, and the way we manufacture products has improved dramatically," Merolla said. "The industry demanded a better product, a better quality of lamination—that was the overwhelming request. They wanted better-quality laminates that would not fall apart, even under extreme circumstances. This could include competitive biking, running, and other activi-

PRIME simplifies the ordering process and addresses the pricing issue as an all-inclusive program for custom products.

(ethylene vinyl acetate). Produced as a closed-cell structure, DuraForm will not absorb perspiration and is easily cleaned. Customers can choose from various colors, densities, and materials.

Acor has also expanded the range of colors available for some products. P-Cell, a closed-cell EVA foam orthotic material, is now available in silver, light blue, black, and traditional pink. The Multicork material is now available in black or tan, and Plastazote is now offered in pink, white, blue, green, yellow, black, and red.

Acor continues to stand behind all its products and services: "We have always fully supported and warrantied our products," Merolla said. "This is the guarantee that you get with Acor products that is not found with many others in our industry. Acor's continued emphasis on guaranteed quality is really starting to show, since some of our customers come to us with stories of failed products from competitors that the manufacturers wouldn't stand behind. We want the experience at Acor to always be a good one, and are committed to back that up by standing behind any product issue."

ties that can stress the materials beyond the parameters of what one would consider normal use."

The company took ownership of an automated laminating machine in 2013. For the next six months, company technicians and engineers tested the machine to work out all possible issues. "We didn't put it into production until we had a full understanding of it," Merolla explained.

Alaimo and his brother Greg, CP, who together own Acor, have built a team of practitioners and engineers who know the needs of the market, and design and make products to fill those needs. Acor started in 1972 as a patient care company, expanded into wholesale products, and now concentrates on manufacturing and wholesaling products to the O&P industry.

"You have to be able to adapt,"
Merolla said. "We're always looking to
make changes, and we're always looking
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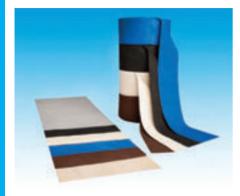
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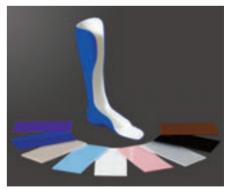
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Kevin Orthotics

1119 Colorado Ave. Suite 103 Santa Monica, CA 90401 Toll Free: 877/767-3338 kevinrx.com

Langer Biomechanics

2905 Veterans Memorial Hwy. Ronkonkoma, NY 11779 Toll Free: 800/645-5520 langerbiomechanics.com

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Matplus

76 Burton St. Painesville, OH 44077 Toll Free: 877/628-7587 **matplusinc.com**

nora Systems

9 Northeastern Blvd. Salem, NH 03079 Phone: 770/687-2552 **nora-shoe.com**

Orfit Industries America

350 Jericho Turnpike Suite 302 Jericho, NY 11753 Phone: 516/935-8500

orfit.com

Paceline, Inc.

10737 Independence Pointe Pkwy. Matthews, NC 28105 Toll Free: 800/443-1827 paceline.com

Ped Lite

8255 Wright St. Merrillville, IN 46410 Phone: 219/756-0901 pedlite.com

Prosthetic Design

700 Harco Drive Clayton, OH 45315 Toll Free: 800/459-0177 **prostheticdesign.com**

Prosthetic Ink

Box 1633 Gig Harbor, WA 98335 Phone: 360/895-1976 prostheticink.com

Riecken's Orthotic Laboratory

5115 Oak Grove Road Evansville, IN 47715 Toll Free: 800/331-8040 footcomfortworld.net

Rogers Corporation-Poron Medical Urethanes

245 Woodstock Road Woodstock, CT 06281 Phone: 607/786-8112 poronmedical.com

Sergeant Corporation

70 Orchard Mill Crescent Kitchener, ON N2P 1T2 Canada Phone: 519/744-2462 sergeantcorp.com

ShockTec

Kemmler Products 250 Canvasback Road Mooresville, NC 28117 Toll Free: 888/411-3884 **shocktec.com**

Sidas NA

#3-3531 Viking Way Richmond, BC V6V 1W1 Canada Toll Free: 866/732-9144 sidas.com

51445166111

Smithers Bio-Medical Systems Bio-Foam 2020 Front St. Suite 301

Cuyahoga Falls, OH 44221 Toll Free: 800/321-8286 biofoamimpression.com

■ Materials

COMPANY LISTINGS

Spenco Medical

Box 2501 Waco, TX 76702 Toll Free: 800/877-3626

spenco.com

SPS Orthotic Prosthetic Supplies

6025 Shiloh Road

Suite A Alpharetta, GA 30005

Toll Free: 800/767-7776

spsco.com

Three-Sixty Solutions

Box 1

LeRoy, NV 14482 Phone: 585/768-2233 **three-sixtysolutions.com**

Toray International America

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225 Larkin Drive Wheeling, IL 60090 Toll Free: 800/541-4030 ucointernational.com

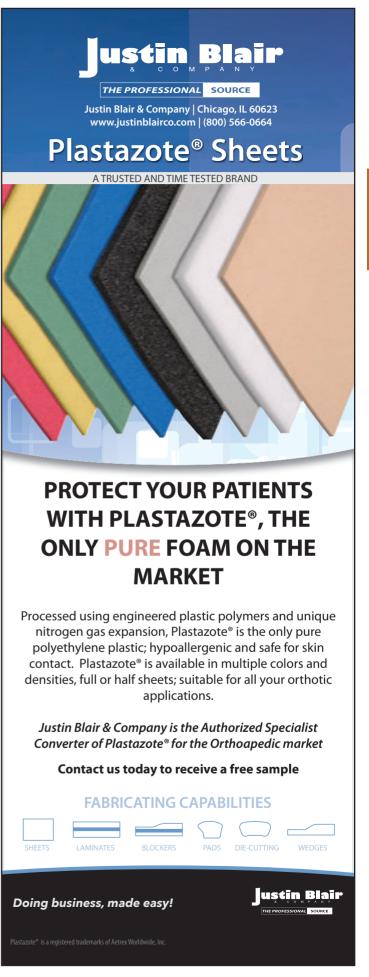
Waterhouse Leather

177 Thornton Drive Hyannis, MA 02601 Toll Free: 800/322-1177 waterhouseleather.com

WBC Industries

625 Central Ave. Westfield, NJ 07090 Toll Free: 800/818-2932 wbcindustries.com







CUSTOM ORTHOTICS SINCE 1930

Veterans in orthotics industry remain dedicated to hand craftsmanship while also embracing new-age technology BY P.K. DANIEL

For more than 85 years, Saddle Brook, NJ-based Levy & Rappel has set the standard in the orthotics industry with a commitment to individual attention and ensuring high-quality products. In 1930, it was the first company to develop a soft and supportive orthosis, raising the industry yardstick.

Levy & Rappel continues that tradition with the completion in September 2015 of its end-to-end redesign, plant renovation, and technology upgrades that began in 2014.

"Our completed plant renovation and technology upgrades are ensuring high quality while making our processes seamless—and fast," said David Kramer, CPed, Levy & Rappel owner and president. "It has accomplished all that we wanted and needed it to."

As a result, Levy & Rappel has enjoyed increased volume while decreasing turnaround times by 18%. The renovation included a total update to equipment and workflow processes that has made the process extremely worthwhile, Kramer said.

But what really sets Levy & Rappel apart is its dedication to hand craftsmanship and its long-held traditions, along with its embrace of new-age technology. "We develop and change with the times, but we still go to what our core is: individual attention and a hands-on approach," he said.

The established company has been family-operated since Kramer's uncle owned Levy & Rappel before selling it to his father, Bob, in 1993. After Bob Kramer died in 2010, his son David took over.

Always looking ahead, Levy & Rappel capitalized on its recent renovation effort as an opportunity to implement lean manufacturing principles that will enable the company to continue improving workflow and efficiency. A streamlined fabrication process has also allowed Levy & Rappel to increase its manpower.

The renovation included a complete IT update, which meant upgrading all of the company's servers and computers. They converted to an Autodesk Footwear computer-assisted design (CAD) system in 2014, fully implementing workflow software that allows clients to upload patients' foot scans. The company released

the second, more user-friendly version of this ordering system in early 2015.

Online ordering and real-time order tracking now allow clinicians to upload orders and follow them through the process so they know when to expect it. With some of the most favorable turnaround times in the industry, clinicians can usually expect products within 5-7 days.

As Kramer said, "Clinicians are always looking for ways to be more efficient."

For clients who are thinking of making the switch to digital orthotic prescription, Levy & Rappel provides loaner iQube 3D foot scanners that allow them to access custom orthoses is the Pro-Walker for management of common foot issues and support for everyday activities. It comes in two models, both of which combine polyethylene thermoplastic with a cushioning top layer. "These are hybrids of a fully functional and an accommodative device," Kramer said.

Levy & Rappel also offers three-quarter length functional orthoses made of either ortholen or graphite, which can be made in a range of rigidities and designs.

The company's Bio-Sport line features full-length custom orthoses, also available in ortholen or graphite. "The Bio-Sport line is for more athletic, active people,"

The portable Levy iPad scanner offers a quick, easy and accurate scanning method for foot orthotics. The intuitive software gives the power, precision and control to include modifications and select a device to prescribe from their complete catalog of products.

the faster flow and streamlined experience of up-to-the-minute technology.

"They can scan a foot in their office, log into their account, and enter their orders, along with whatever adjustments they want," Kramer said.

The portable Levy iPad scanner also offers a quick, easy and accurate scanning method for foot orthotics. The intuitive software gives the power, precision and control to include modifications and select a device to prescribe from their complete catalog of products.

In addition to the overhaul, Levy & Rappel has introduced new products, including the Econ line of cost-effective diabetic custom foot orthoses. Like all of their custom orthoses, the Econ I and Econ II are both manufactured from plaster casts, foam impressions, or 3D scans of the patient's foot.

The Levy Econ I is a two-layer orthosis featuring a tan 35-durometer EVA (ethylene vinyl acetate) base layer and blue Plastazote top cover.

The Levy Econ II is a three-layer orthosis featuring a tan 35-durometer EVA base layer, 1/16" PPT mid-layer, and blue Plastazote top cover, which is delivered in seven days.

A mainstay of Levy & Rappel's line of

Kramer said. "It's for common foot ailments in these patients—anything from nonspecific pain to plantar fasciitis to pes planus."

Levy & Rappel is one of the few companies that still make all-leather custom foot orthoses. Levy uses a tough, flexible leather called Sole-Bends, which comes from the thick parts of the hide that runs down the sides of the cow's spine. The company's line includes several three-quarter length styles: one for arch support, one for rearfoot control, and one for fashion footwear.

While Kramer strives to strike a balance between tradition and innovation, the company still offers techniques and products that have been around for decades for clients who prefer traditional methods. "In other words," said Kramer, "old-world craftsmanship meets new-world technology."

Two of the time-honored principles that benefit all Levy & Rappel customers are individual attention and a continued commitment to exceptional service. That service includes a five-day turnaround, frequent buyer discounts, and a foam replacement program for when Levy & Rappel receives an order with a foam impression box.

Article sponsored by Levy & Rappel.

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Anodyne has a full-service laboratory handcrafting custom inserts, toe fillers, and shoe modifications. Using the best materials and an experienced team of pedorthists and footwear experts, the quality and craftsmanship of our products is unparalleled. All special accommodations (off-loads, metatarsal pads, sweet spots, etc.) are provided at no cost. Turnaround time for all orders is between 24-48 hours..



Anodyne 5050 S. 2nd Street Milwaukee, WI 53207 Phone: 844/637-4637

anodyneshoes.com

Company Profile on p. 46



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Dr. Comfort's pedorthic laboratory is the largest of its kind in the industry. Our lab is staffed with several certified pedorthists available to help with all your custom needs. Our diabetic custom inserts are made of the finest materials available and we provide special accommodations, such as off-loading, metatarsal pads, and more, at no additional charae.



Dr. Comfort 10300 N. Enterprise Drive Mequon, WI 53092 Toll Free: 800/556-5572 drcomfort.com

Levy⁻¹Rappel

CUSTOM ORTHOTICS SINCE 1930

Levy and Rappel introduces the Levy Econ I and Econ II. These diabetic custom foot orthoses are manufactured using plaster cast, foam impressions or a 3D scan. The Levy Econ I is a bilaminate custom orthoses featuring a tan 35-durometer EVA (ethylene vinyl acetate) base layer and blue Plastazote top cover. The Levy Econ II is a trilaminate custom orthoses featuring a tan 35-durometer EVA base layer, 1/16" PPT mid-layer and blue Plastazote top cover. Always known for fast turnaround, this product is delivered to your office in seven days.



Levy & Rappel 339 10th St. Saddle Brook, NJ 07663 Toll Free: 800/564-5389

levyandrappel.com

Levy⁴ Rappel

CUSTOM ORTHOTICS SINCE 1930

The Levy-Diabetic insole is a custommolded product that is machinemilled for added efficiency and cost savings that are passed on to the practitioner. The patient's custommolded full-contact diabetic inserts are 100% manufactured from your patient cast or foam impression. The 35-durometer EVA (ethylene vinyl acetate) base layer provides superior balance and support while the 3/16" soft pink Plastazote top cover offers complete protection and comfort. The Levy-Diabetic insole is fully Medicarecompliant and reimbursable, and received Pricing, Data Analysis, and Coding approval under billing code A5513.



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levyandrappel.com

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CUSTOM ORTHOTICS SINCE 1930

The "L&R" Prosthesis is soft enough to limit irritations to devascularized tissue, and strong enough to act as a filler. The prothesis is most commonly fabricated from leather or Thermocork Lite. Please send footwear along with casts for proper design. The "L&R" Prosthesis can be prescribed for partial, transmetatarsal, or Symes amputations.



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Company Profile on p. 40



SoleTech's dual density diabetic insoles are heat-moldable and used by practitioners throughout the country. All SoleTech insoles are approved according to SADMERC (statistical analysis durable medical equipment regional carrier).



SoleTech 425 Washington St. Suite 4 Claremont, NH 03743 Toll Free: 877/625-9494 soletech.com

COMPANY LISTINGS

Acor Orthopaedic

18530 S. Miles Pkwy. Cleveland, OH 44128 Toll Free: 800/237-2267

acor.com

Advantage Orthotics Lab

3110 Polaris Ave. Suite 17

Las Vegas, NV 89102 Toll Free: 800/374-2021

Amfit

3611 NE 68th St. Vancouver, WA 98661 Phone: 360/573-9100

amfit.com

Atlantic Footcare

229 Quaker Hwy. North Smithfield, RI 02896 Phone: 401/568-4918 prothotics.com

Bintz

905 W. Liberty Drive Wheaton, IL 60187 Toll Free: 800/235-8458

bintzco.com

Bio Orthotics International

1111 Jupiter Road Suite 112A Plano, TX 75074 Phone: 972/422-6388 bioorthotics.com

Burten Distribution

4630 Valley Blvd. Los Angeles, CA 90032 Phone: 323/221-7300 **burtendistribution.com**

Carbon Express

22102 Carson Drive Land O' Lakes, FL 34639 Phone: 813/948-9406 mycarbonexpress.com

COL International

40 Bradwick Drive Unit 12-15 Concord, ON L4K 1K9 Canada Toll Free: 877/265-2248

canadianorthotics.com

ComfortFit Orthotic Labs

246 Columbus Ave. Roselle, NJ 07203 Toll Free: 888/523-1600 comfortfitlabs.com

Custom Foot Inserts

4128 Sunrise Hwy. Oakdale, NY 11769 Phone: 631/567-1515

Dia-Foot

3281 Fairlane Farms Road Suite 7 Wellington, FL 33414 Toll Free: 877/405-3668

dia-foot.com

Dr. Zen

501 Gordon St. Sanford, FL 32771 Toll Free: 800/682-8367

drzen.com

Edser Orthotic Labs

200 S. Biscayne Blvd. Suite 3810 Miami, FL 33131 Phone: 786/206-6117 edserlabs.com

Ever-Flex

12505 Universal Drive Taylor, MI 48180 Phone: 734/947-2060 ever-flex.com

eWellness

5801 W. 73rd St. Indianapolis, IN 46278 Toll Free: 800/872-3633 ewellness.com

Excel Biomechanics Lab

9229 Shaughnessy St. Vancouver, BC V6P 6R5 Canada

Phone: 604/323-9922 excelbiomechanicslab.com

Fiber Foot Appliances

47 Heisser Lane Farmingdale, Ny 11735 Toll Free: 800/451-1719 **fiberorthotics.com**

Foot Dynamics

6075 Atlantic Blvd. Suite M2 Norcross, GA 30071 Phone: 770/582-1122

Phone: 770/582-1122 **footdynamicsatl.com**

Foot Function Lab

7899 W. Sample Road Coral Springs, FL 33065 Toll Free: 800/785-FOOT (3668) orthotics.net

footscan USA

4010 Commons Drive W. Suite 116 Destin, FL 32541 Phone: 850/460-2200 footscanusa.com

FootStride Technology

17603 105th Ave. SE Snohomish, WA 98296 Phone: 425/486-6934 **footstride.com**

Frankford Leather

1820 Byberry Road Bensalem, PA 19020 Toll Free: 800/245-5555 frankfordleather.com

Insole Innovations

1967 E. Maple St., #126 N. Canton, OH 44720 Toll Free: 800/603-7099

InStride

29 Polhemus Drive Hillsborough, NJ 08844 Toll Free: 866/969-3338 instrideshoes.com

Justin Blair & Company

4500 W. 31st St. Chicago, IL 60623 Toll Free: 800/566-0664 justinblairco.com

Kano Labs

Box 3583 2691 Tipperary Lane Idaho Falls, ID 83404 Phone: 208/254-0019 kano-labs.com

KLM Orthotic Labs

28280 Alta Vista Ave. Valencia, CA 91355 Toll Free: 800/556-3668 klmlabs.com

Langer Biomechanics

2905 Veterans Memorial Hwy. Ronkonkoma, NY 11779 Toll Free: 800/645-5520 langerbiomechanics.com

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M-Tech Lab

8653 Bash St. Indianapolis, IN 46256 Toll Free: 888/484-9445 mtechlab.com

Matplus

76 Burton St.
Painesville, OH 44077
Toll Free: 877/628-7587
matplusinc.com

MEGAComfort Inc.

14351 Myford Road Tustin, CA 92780 Toll Free: 877/634-2266 megacomfort.com

New Step

4225 S. State Route 159 Suite 1 Glen Carbon, IL 62034 Phone: 618/288-9297 newsteporthotics.com

NewGen Advanced Orthotic Lab 7730-A Trinity Road

Suite 105 Cordova, TN 38018 Toll Free: 888/756-0257 newgenorthotics.com

Oasis Footwear

1710 Greengarden Road Erie, PA 16501 Toll Free: 888/676-2747 oasisfeet.com

Orthofeet

152 Veterans Drive Suite A Northvale, NJ 07647 Toll Free: 800/524-2845 orthofeet.com

OsiruSoft Research and

Engineering 233 Burt St. Van Wert, OH 45891 Phone: 567/259-3038 oretek.com

P&K Orthotics Lab

Box 3000 Waterloo, IA 50704 Toll Free: 800/798-3598 pkorthotics.com

P.W. Minor

3 Treadeasy Ave. Batavia, NY 14020 Toll Free: 800/828-8157 **pwminor.com**

Ped Lite

8255 Wright St. Merrillville, IN 46410 Phone: 219/756-0901 pedlite.com

Pedi Foot

10836 Vandale San Antonio, TX 78216 Toll Free: 877/590-8774 pedifoot.com

Pedors Shoes

44 Darby's Crossing Drive Suite 100 Hiram, GA 30141 Toll Free: 800/750-6729

pedors.com

Pilgrim Shoes

6710 Whitestone Road Woodlawn, MD 21207 Toll Free: 888/493-2859 pilgrimshoes.com

Redi-Thotics

1 Whispering Way Brookfield, CT 06804 Toll Free: 877/740-3668 redi-thotics.com

Remington Products

961 Seville Rd Wadsworth, OH 44281 Phone: 330/335-1571 remprod.com

Restorative Care of America

12221 33rd St. N. St. Petersburg, FL 33716 Toll Free: 800/627-1595 rcai.com

SafeStep

2905 Veterans Memorial Hwy. Ronkonkoma, NY 11779 Toll Free: 866/712-7837 safestep.net

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Sergeant Corporation

70 Orchard Mill Crescent Kitchener, ON N2P 1T2 Canada Phone: 519/744-2462

sergeantcorp.com

Sole

2923 5th Ave. NE Calgary, AB T2A 6T8 Canada Toll Free: 866/235-7653

yoursole.com

Sole Perfection Shoes

1203 SE Everett Mall Way Suite R Everett, WA 98208 Phone: 425/348-7306 soleperfectionshoes.com

SOLO Laboratories

415 S. Laurel St. Kutztown, PA 19530 Toll Free: 800/765-6522 sololabs.com

Spenco Medical

Box 2501 Waco, TX 76702 Toll Free: 800/877-3626 **spenco.com**

STJ Orthotic Services

920 N. Wellwood Ave. Lindenhurst, Ny 11757 Toll Free: 800/321-4STJ(4785) stjorthotic.com

SureFit

4050 NW 126th Ave. Suite 110 Coral Springs, FL 33065 Toll Free: 800/298-6050 surefitlab.com

TenderFeetShoes

1050 W. Central Ave. Suite D Brea, CA 92821 Toll Free: 866/936-7463 tenderfeetshoes.com

The Foot Store

1909 N. Hwy 17 Suite S Mount Pleasant, SC 29464 Phone: 843/849-1108 footstore.com

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COMPANY LISTINGS

3-Point Products

118 Log Canoe Circle Stevensville, MD 21666 Toll Free: 888/378-7763 **3pointproducts.com**

AcuStep

2775 Arnold Ave. Suite A Salina, KS 67401 Phone: 785/826-2500 acustep.com

Aetna Felt

2401 W. Emaus Ave. Allentown, PA 18103 Toll Free: 800/390-3668 aetnafootproducts.com

AGS Footwear Group

Box 6444 11234 Air Park Road Ashland, VA 23005 Toll Free: 800/446-3820 agsfootweargroup.com

COMPANY LISTING

Alcis Health

2001 Gateway Place Suite 520W San Jose, CA 95110 Phone: 408/437-1060

Allied Plastics Supply

10828 Shady Trail Dallas, TX 75220 Toll Free: 888/838-2287 **alliedoandpsupply.com**

Alpha Orthotics

434 Greenwood Beach Road Tiburon, CA 94920 Phone: 415/389-8980 alphaorthotics.com

American Orthopedics Manufacturing

561 S. 4th Ave. Mount Vernon, NY 10550 Toll Free: 866/620-7463 americanomc.com

Apex Foot Health Industries

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Teaneck, NJ 07666
Toll Free: 800-252-2739
apexfoot.com

Cluffy Institute

1301 11th Ave. S. Great Falls, MT 59405 Toll Free: 888/761-3668

cluffy.com

Dr. Jill's Foot Pads

384 S. Military Trail Deerfield Beach, FL 33442 Toll Free: 866/366-8723 driillsfootpads.com

Dr. Todd's Foot Care Products

13295 Illinois St. Suite 104 Carmel, IN 46032 Toll Free: 877/758-3338 drtodds.com

Fiber Foot Appliances

47 Heisser Lane Farmingdale, NY 11735 Toll Free: 800/451-1719 **fiberorthotics.com**

Footguru

Box 2639 Mill Valley, CA 94942 Phone: 415/464-9577 footguru.com

G&W Heel Lift

709 S. Franklin St. Cuba, MO 65453 Toll Free: 800/235-4387 **gwheellift.com**

Hapad

5301 Enterprise Blvd. Box 6 Bethel Park, PA 15102 Toll Free: 800/544-2723 hapad.com

Health Enterprises

90 George Leven Drive North Attleboro, MA 02760 Toll Free: 800/633-4243 healthenterprises.com

Hickory Brands

Box 429 429 27th St NW Hickory, NC 28601 Phone: 828/322-2600 tenseconds.com

Levy & Rappel

339 10th St. Saddle Brook, NJ 07663 Toll Free: 800/564-5389 **levyandrappel.com**

Medi-Dyne

1812 Industrial Blvd. Colleyville, TX 76034 Phone: 817/251-8660 **medi-dyne.com**

Ortho-Rite

65 Plain Ave. New Rochelle, NY 10801 Toll Free: 800/473-6682 ortho-rite.com

PedAlign

9528 Miramar Road San Diego, CA 92126 Toll Free: 866/733-2544

pedalign.com

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PediFix Footcare Products

281 Fields Lane Brewster, Ny 10509 Toll Free: 800/424-5561 pedifix.com

Redi-Thotics

1 Whispering Way Brookfield, CT 06804 Toll Free: 877/740-3668 redi-thotics.com

RX24 Quadrastep System Foot Orthotics

Unit 2B Middlebury, CT 06762 Toll Free: 877/792-4669 whatsmyfoottype.com

80 Turnpike Drive

Sole Perfection Shoes

1203 SE Everett Mall Way Suite R Everett, WA 98208 Phone: 425/348-7306 soleperfectionshoes.com

Straight Arrow Products

2020 Highland Ave. Bethlehem, PA 18020 Toll Free: 800/827-9815 **straightarrowinc.com**

Strutz

650 E. Palisade Ave Suite 2-103 Englewood Cliffs, NJ 07632 Toll Free: 888/787-8891 **lovemystrutz.com**

Viscolas, Div of Impacto

Box 524 40 Dussek St. Belleville, ON K8N 5B2 Canada Toll Free: 888/232-0031 viscolas.com

Wrymark

11833 Westline Industrial Drive St. Louis, MO 63146 Toll Free: 800/969-3668 wrymark.com

YogaPro

334 S. Wagner Ann Arbor, MI 48103 Toll Free: 877/964-2776 yogapro.com



Anodyne: Diabetic footwear company focuses on win-win for providers and patients BY LER STAFF

Building a brand

"The solution," according to Bobby Kanter, CEO of Anodyne, "is to find the right partner."

There is no question that, over the years, the diabetic footwear market has evolved. For many, dispensing shoes and inserts has become more difficult; however, the solution for providers is not to stop dispensing.

With only a small percentage of at-risk diabetic patients receiving shoes in the first place, putting an end to dispensing will only result in fewer patients being treated properly and more suppliers missing out on an added revenue opportunity.

Having launched the company in spring of 2015, Anodyne's founders Bobby Kanter, Billy Kanter, Brian O'Reilly, and Justin Polikowski are continuing to provide a much-needed shake-up to the diabetic footwear marketplace. Although it's only been a year and a half, "Feedback from both patients and suppliers has been overwhelmingly positive," said Kanter.

As a young, entrepreneurial company, the Anodyne team is excited about the progress they've made, but is by no means satisfied.

"I know it may sound grandiose and perhaps even ridiculous to some, but in all honesty, we fully intend on becoming the best diabetic footwear brand in the history of this industry," Kanter said. "For us, it's never been about just starting a business, competing with a few other companies, and being content eating our slice of the pie. We started Anodyne to make sure that diabetic patients are getting the best therapeutic shoes that they've ever been able to receive, and to make sure that on the service side, suppliers are having the absolute best possible experience they've ever had with a diabetic footwear partner."

Lofty goals are nothing new to the founding team. Bobby and Billy's father, Rick Kanter, launched the highly successful diabetic footwear company, Dr. Comfort, in 2002, in which O'Reilly and

Polikowski were both integral parts of the company's eventual success. With Anodyne, this team has a blank slate to incorporate their immense depth of knowledge and understanding of the products, services, and pain points associated with dispensing therapeutic shoes. Incorporating all of these meticulous details on both the front and backends of their business has allowed them to create a new diabetic shoe brand that they feel is second to none.

Time is money

By acknowledging the problems and opportunities that exist within the industry, Anodyne has taken it upon itself to respent on dispensing.

"In years past, orthotists, physicians, pedorthists and office staff have spent countless hours on the phone, rescheduling patients, waiting on backordered shoes, sending returns back and forth, and the list goes on," O'Reilly said. "We're giving that time back to our providers, so that they can spend it with patients, addressing their needs correctly, on the first go-around, with no hoops to jump through."

Anodyne is making the dispensing experience seamless for the physician and, ultimately, for the patients who need the products most. With industry-best pro-

With a significantly lower return rate than industry standard, and industry-leading turnaround times on both standard and custom orders, Anodyne has made it a point to reduce office time spent on dispensing.

vamp and reenergize provider expectations by delivering on the profits and product quality that they have long yearned for.

When providers consider the profitability of their shoe programs, there are a number of underlying costs that can be eliminated or substantially decreased, depending on the company they decide to partner with. Anodyne has made it a point to highlight and minimize these often unforeseen costs. The result has been increased profitability for its partners.

"It's easy to become short-sighted and fall into a rut of looking strictly at your per pair product cost rather than the overall, end of year profit," said Kanter. "When you avoid the hassles and runaround, the profits you generate will be measured not only in shoes sold, but in the time saved and patients served."

With a significantly lower return rate than industry standard, and industryleading turnaround times on both standard and custom orders, Anodyne has made it a point to reduce office time duction times, a proprietary iPad scanner app in place of traditional foams or casts, 24-48 hour order turnaround times, and service-oriented attention to detail and resolution, Anodyne has found itself on the forefront of a diabetic industry desperately in need of a makeover.

Win-win

In 2017, the team plans to expand their distribution, optimize their iPad scanning app, launch more shoe styles, and introduce a line of slippers. Most of all, the company will aim to continue to build awareness for the brand while expanding distribution into offices across the U.S., and beyond.

"Our goal is 'improvement.' As individuals, as a team, and as a brand, we're committed to adapting and evolving. Based on the environment that we're in, we are and will continue to do absolutely everything we can, to make sure that the shoe program is a win-win for both our providers and their patients," exclaimed Kanter

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revere Comfort Shoes: Functional footwear that doesn't skimp on style BY SHALMALI PAL

One of Australia's favorite sayings is "no worries," meaning that something is has-sle-free or simply not a problem. "No worries" is an apt description for revere Comfort Shoes: lower extremity practitioners don't have TO worry about wrangling a necessary orthosis into a shoe that cannot accommodate it; retailers don't have to be concerned about taking a chance on a new footwear line; and, perhaps most important of all, patients don't have to fret about giving up style for the sake of their foot health, thereby increasing the chances that they will actually wear the prescribed footwear.

This is because when it comes to designing their line of sandals, closed-toe shoes, and boots, refere Comfort Shoes first looks at fashion, then focuses on how to make it functional for optimal foot health.

"Style is where we start," said Craig Truscott, revere Comfort Shoes co-founder and CEO. "Our objective is to create stylish footwear that has functionality, rather than building functional shoes, and then trying to give them some style. We challenge our product development team to look at what's really happening in current fashions in terms of trends, colors, etc. Then we determine if we can incorporate the DNA of revere Comfort Shoes into that."

revere Comfort Shoes was founded in Australia and New Zealand, and introduced its line in the U.S. in 2016. They have a domestic base in Santa Monica, CA.

When Truscott, his wife Annie, and business partner Jeffrey Coombridge started out in 2008, they had an eye to fill the gap they saw in the comfort shoe market. The result was revere Comfort Shoes, a line that carries sandals, slip-ons, lace-ups, and ankle boots (booties) for women, and sandals for men.

"We saw a gap in the market in terms of stylish comfort footwear that had the function that foot health professionals are looking for, such as adjustable uppers and the ability to use their own orthotics,"

Craig explained. "Consumers, and women in particular, have much higher ex-

pectations in terms of what they're looking for in this category of shoes. At the same time, we had to balance that with the needs of the foot health experts to create a safe environment with the shoes."

Besides the interesting design elements—bright colors, interesting details, and eye-catching textures —what really sets revere Comfort Shoes apart is its Personalized Fitting System (PFS).

The PFS includes either a comfort foam or PU footbed that is removable for those who require a separate orthotic device. Also, revere Comfort Shoes shoes' extra depth unit allows for a variety of custom orthotics to be inserted without taking away from the style of the shoes.

donned and doffed, while inserts or orthoses can easily be taken in and out.

"In the footbeds of our closed shoes, we have an additional shim, so that if someone is looking to take up a little volume in the shoe, they can modify the footbed to fit into the shoe," Craig added.

Now that revere Comfort Shoes has officially launched in the U.S., they are ready to help practitioners and retailers introduce the line to their patients and customers with two business models.

"For the smaller office that doesn't have a lot of room, we provide a table top, inclinic display for \$199. It includes nine of our best selling sandals from sizes 6-11.

"We saw a gap in the market in terms of stylish comfort footwear that had the function that foot health professionals are looking for..." —Cofounder/CEO Craig Truscott

But the biggest hit with customers is the matching strap extensions, which bring an additional 15 mm of width to the sandals and are included with every pair.

"The strap extensions allow foot health specialists to ensure the best fit, particularly for those with difficult-to-fit feet. For shoe distributors, the extensions mean not having to carry multiple widths because the straps serve that purpose, Craig pointed out.

For the closed-toe shoes and boots, the focus is on the design of the uppers to enhance the wearer's experience, and give practitioners flexibility to manipulate the shoe. For instance, the slip-on "Charlotte" features a padded mesh upper for breathability while the lace-up "Seattle," has a full-grain leather upper that gives it some malleability.

Annie pointed out that the "Toronto Twin Zip" bootie is designed with medial and lateral zippers so the shoe can be easily

That can be used as the fitting kit," Craig said. "Shoes can be ordered from the company warehouse in Boise, ID (shipping takes 3-4 business days) without a minimum order requirement, and shoes can also be returned to revere Comfort Shoes without penalty," he added.

"This model has worked very well because it gives small offices the ability to dispense footwear with minimal outlay, but very good cash-flow opportunities," he said.

For bigger retail outlets, revere Comfort Shoes offers an open-stock model, and carries its stock all year round. "So they can order as they see fit from our open-stock model," he explained. "In independent retailing, there's an emphasis now on minimizing expenses, and maximizing cash flow and stock turn. This is a model that gives these retailers the ability to do that with a great range of products."

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The Foot Store

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Therafit

1578 NW 169 St. Miami Gardens, FL 33169 Phone: 305/333-3128 therafitshoe.com

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Box 1865 610 E. Bell Drive Warsaw, IN 46581 Phone: 574/267-1450 deltai-medical.com

Tru-Mold Shoes

42 Breckenridge St. Buffalo, NY 14213 Toll Free: 800/843-6653 **trumold.com**

TT Group

Clinic Extra, Clinic 702 S. Carnation Drive Aurora, MO 65605 Toll Free: 800/445-0886 tt-group.com

Vionic Group

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Visual Footcare Technologies

The Kennedy Center 39 Lindeman Drive Trumbull, CT 06611 Toll Free: 866/385-6442 visualfootcare.com

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Focused young company grows closer to becoming internationally recognized footwear brand BY ROBYN PARETS

Ten years ago, the U.S. orthopedic medical community had never heard of Vionic shoes. That's no surprise, as Vionic's fashion-forward line of orthotic footwear marched into the market in 2007. Since then, the groundbreaking shoes for men and women have taken the orthotic and comfort shoe markets by storm. Indeed, Vionic shoes are now synonymous with stylish and supportive footwear for every occasion—from sandals to sneakers, and from boots to high heels.

"We're a young brand, and in just nine years we've gone from a single flip-flop to becoming one of the foremost leaders in comfort footwear when it comes to function and fashion," said Brandon Noble, the company's director of medical sales and marketing.

Vionic's vision is now even more focused: It aims to become the world's favorite footwear brand. It looks like this goal may be achievable, especially after the company's Relax Slippers were named one of "Oprah's Favorite Things" in 2016.

To understand Vionic's meteoric growth in the past decade, it's important to understand the company's knowledgeable roots in the medical orthotic field. Australia-based Vionic Group LLCwith U.S. headquarters in San Rafael, Ca.-markets and sells its popular orthotic footwear brand through medical clinics, specialty shoe stores, and mass market retailers. Its full line is sold on its website, vionicshoes.com, and regardless of whether an orthotic clinic recommends the shoes or consumers purchase them on their own accord, Vionic stands alone in its mission to incorporate superior orthotic support in every pair of shoes.

The company's dedication to biomechanics science is echoed by its sister business, Vasyli Medical. Founded in 1979, Vasyli introduced custom heatmoldable orthotics in 1987. Designed by some of the world's foremost biome-

chanics experts, these medical orthotics were a game-changer for doctors and podiatrists who treated lower-limb disorders. Just a few years later, Vasyli rolled out over-the-counter, prefabricated orthotics. It seems only natural that shoes would come next, and they did. Vasyli's technology around built-in orthotics for natural alignment is now known as Vionic with Orthaheel Technology.

Healthcare professionals trust proven orthotic footwear

It's not hard to understand why doctors and podiatrists alike continue to recommend Vionic footwear for patients suffering from plantar fasciitis, Achilles tendinitis, Morton's neuroma, and other conditions causing foot discomfort. Even Vionic slippers and sandals are effective grative medicine expert Andrew Weil, MD, Jackie Sutera, DPM, and David G. Armstrong, DPM, MD, PhD, a recognized leader in diabetic foot care. The Vionic Innovation Lab experts work to advance new orthotic technology through foot health research and education. According to the company, part of their shared vision is to enhance foot health and promote a vibrant, active lifestyle.

Vionic Group: The 'proud parent' of complementary medical and retail brands

Indeed, the shoe powerhouse's success in the clinical field and consumer market is driven by its proven Vionic with Orthaheel Technology. Satisfied customers spread the good word fast and the footwear brand now has a rapidly-grow-

"We're a young brand, and in just nine years we've gone from a single flip-flop to becoming one of the foremost leaders in comfort footwear when it comes to function and fashion."

for alleviating pain.

According to a recent peer-reviewed study, Vionic contoured sandals are comparable in effectiveness to the company's best-selling prefabricated orthotics in the short-term treatment of heel pain. The 150-person study targeted heel pain sufferers averaging more than 50 years old. After a trial period of 12 weeks, patients wearing the Vionic contoured sandal were 68% more likely to report improvement in symptoms when compared to those wearing flat flip-flops. According to Vionic, the company's shoes give plantar fasciitis patients "the confidence to walk, move, and live free from pain."

Today, the Vionic Innovation Lab harnesses the knowledge of some of the world's foremost experts in health and lower limb biomechanics, including inte-

ing fan base among doctors, therapists, retailers, patients and consumers.

In 2017, Vionic plans to forge ahead with its brand expansion. This will include the introduction of its latest footwear innovations: A cutting-edge block heel women's shoe design and a new athletic shoe. Both new styles infuse the company's orthotic technology right into the fashionable designs. To boot, the comfortable Elation 1.0 and Ngage 1.0 athletic shoes will be revolutionary for the company and its customers. These shoes include non-removable orthotics, integrated right into the outside soles.

"We're pushing the envelope here," Noble said. "We're really excited."

Robyn Parets is a freelance writer based in Boston.

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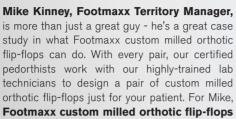
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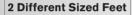
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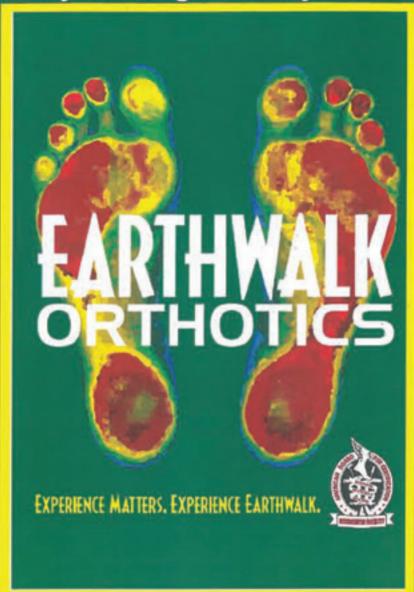


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Apex paces other companies with innovative footwear offerings that are both functional and finally!—stylish BY SUZANNE WRIGHT

Jason Kraus, president and chief operating officer of Apex Foot Health Industries, doesn't mince words when describing the aesthetics of therapeutic footwear.

"They have looked stodgy and clunky..." he paused, then added, "We have to create universally attractive shoes that people want to wear."

Apex aims to be not just the performance leader, but also the style leader in the category.

To that end, the 70-year old brand that OHI acquired in 2015 has been experiencing a considerable makeover. Kraus said that after getting a handle on service and supply chain issues, this was a major step in repositioning the company.

"Our legacy has been in therapeutic shoes for diabetics," Kraus explained. "And that's still important. But let's face it: we are all getting older. If we don't wear the proper shoes, we are inviting future problems. We want to appeal to those interested in wellness, even if their health is not currently comprised."

So Apex is building shoes that anyone would want to wear: great looking, good for you, and well constructed with high-performance materials.

In April 2016, Apex rolled out a collection of six new styles of footwear, including boat shoes and hiking boots with a contemporary look, as well as colorful and attractive knit shoes. (All meet requirements for diabetic footwear.)

"These are styles for more active consumers, which is a great compliment to our traditional therapeutic footwear," said Kraus. "And because sizing is critical, three layers of removable insoles help enormously with getting a customized fit."

The customer response has been gratifying.

"Our new styles, along with our significantly refreshed marketing materials, have been well received," said Kraus. "Sales are the measure we use for acceptance, and some styles have been virtually flying off the shelves. We can't keep them in inventory."

Bolstered by the initial success, Kraus said the trend of adding a half dozen or more styles each year will continue through 2017.

Building innovation into inserts, shoes and socks

Medical literature is replete with studies that identify characteristics of footwear for people with balance deficiencies. Some features should be avoided, while others can enhance stability. In June

"It's both a radical approach and a radical look that provides people with a dynamic solution to a dynamic problem," said Kraus. "DynaFlange controls foot motion, offers energy return, increases postural efficiency, enhances shock absorption and reduces impact forces. Patients have responded very favorably."

The company is also pumped that units of the military's Special Forces is testing another prefabricated device with proprietary technology for field and combat usage.

"You can adjust the comfort level via

"Our new styles, along with our significantly refreshed marketing materials, have been well received. Sales are the measure we use for acceptance, and some styles have been virtually flying off the shelves."

— Jason Kraus, Apex president and COO

2017, Apex will roll out the Moore Balance Shoe, designed by Apex with input from Moore Balance Brace developer Jonathon Moore, DPM. It is exclusive to Apex and echoes parent company OHI's overall commitment to fall risk mitigation.

Kraus is excited as he describes the impact that this shoe can have in terms of patient compliance, since the shoe can easily accommodate the volume of a brace. He noted, though, that the Moore Balance Shoe can be worn with or without the Moore Balance Brace.

"This is a massive opportunity for our market," Kraus said. "Not everyone with a balance deficit needs a brace, but lots of people can benefit from a shoe like this."

2016 also saw the launch of DynaFlange, a patented, prefabricated orthotic designed by Jay Segel, DPM, which features an extraordinarily unique design. tension in the arch, which makes it ideal when carrying, or offloading a massively heavy pack," said Kraus.

In addition, Apex will be introducing a new sock program in April that will be helpful for at-risk diabetic patients. Copper Cloud socks offer a host of features proven to be beneficial to the foot health of diabetic patients, including moisture wicking, a cushioned sole and a cushioned and reinforced arch. The addition of copper into the fibers is said to improve circulation and promote softer skin. Copper also possesses antimicrobial qualities that reduce foot odor.

A great deal of planning and development has paved the way for Apex in 2017, and Kraus is bullish on the opportunities this offers practitioners and patients alike.

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New Step Orthotics Lab: Family-Owned and Operated into the Future BY SHALMALI PAL

Amazon, Apple, Microsoft, Nike. These are all multinational, billion-dollar corporations that, according to legend, began in their respective founders' garages. New Step Orthotic Lab of Glen Carbon, IL, is also a member of that club.

"We started out in my dad's garage in 2005 and then grew from there," explained New Step owner and president Josh Allison, CPed, IPed. "Then when my dad retired, he decided to work for me full time lat New Step!"

After retiring from his primary occupation in law enforcement, Winston Montgomery stepped in to work at New Step full time, and is currently the company's CFO.

The similarities between those behemoth businesses and New Step end at the garage door, because it's a safe bet that if you called the Nike headquarters, Phil Knight would not answer the phone. The same would likely go for the late Steve Jobs at Apple. But customers who call New Step will often have the opportunity to actually speak with to the company president.

"I'm there lat the labl and active every day, still involved in the manufacturing process," Allison said. "That's what separates our business from others, because how often do you get to talk to the owner of a company on a daily basis?"

As the current head of New Step, Allison has plenty to oversee: the lab's line of custom orthoses (sport-casual, diabetic, multi-density, to name a few); ankle-foot orthoses, including the New Step Dynamic AFO; custom shoes (from sneakers to work boots); over-the-counter (OTC) orthoses; and foam box impressions. The company also sells two different types of 3D foot scanners.

The Allisons decided to start New Step to fill what they saw as a gap in the orthotics fabrication market. "I just saw a lack of orthotics being made that actually matched the patient's foot," Allison explained. "What we do is a total-contact insert. A lot of orthotics are manufactured with a Root-style method, which we still

offer," he said, referring to the principles of fabrication taught by Merton Root, DPM, in the 1960s.

"But we saw a need for a total-contact insert, whether it was functional or accommodative," Allison added.

He stressed that New Step's forte is handcrafted Root-style orthotics and total-contact orthotics (TCOs), which sets it apart from other labs. "Unlike most labs that have used technology to get away from handcrafted TCOs, we have used it to grow the handcrafted TCOs business," he said.

That focus on achieving total contact

Step will take advantage of new technology, such as 3D printing. Allison said the lab has contracted with a local 3D printer to produce custom orthoses.

"The advantage of 3D printing is that there is much less waste," he said. "It's a very efficient way for us to continue to make our total-contact orthotics, as we are able to use a 3D scan of the patient's foot and then make a true TCO with any material the practitioner chooses, instead of the 'cookie-cutter' orthotics that never match the foot and are limited by the material that will fit into the machine."

"We also do 3D scanning with the iPad,"

"Unlike most labs that have used technology to get away from handcrafted TCOs, we have used it to grow the handcrafted TCOs business." —Josh Allison, CPed, IPed

has been a great success for New Step — enough that the company recently built a new plant in nearby Maryville, IL. The 5,000-square foot facility will allow New Step to expand their line of custom AFOs as well as introduce more products to the line of OTC orthotics.

Allison pointed out that the company puts as much craftsmanship into its OTC orthoses as it does its custom ones, including multi-density materials, deeper heel cups, and quality top covers.

For instance, in the Elite OTC line, the heat-moldable and reheat-formable insert offers 1.3 mm 3/4 semirigid arch support, a 12-mm heel cup, and a thin profile to fit any shoe. It's also suitable for dispensing straight from the package, according to the company.

The addition of personnel at the new lab will mean a faster throughput, potentially cutting in half the manufacturing time for custom orthoses, which currently stands at 5-7 days.

As part of its continued growth, New

Allison said, adding that New Step has the ability to create a thermal form and obtain a total-contact insert from a digital image. "That requires a lot higher skill level that we've got because we are smaller, handson operation," he said.

Even as they grow, New Step plans to keep it in the family—Allison's brother Guy also works in the lab fabricating orthotics. Though Montgomery is now CFO, Allison noted that his father is quick to help out wherever he's needed. "Yesterday, it was janitor, last week it was operations manager, and today it is trade show rep. In other words, he steps up and does whatever is needed aside from his main role. I will say it is a blessing to have my 'retired' dad working full-time."

It's also an opportunity for a little payback. "Sometimes I have to get after him to do some of his paperwork," Allison joked. "I think it makes up for all the times he had to get after me to put away my laundry when I was teen."

Article sponsored by New Step.

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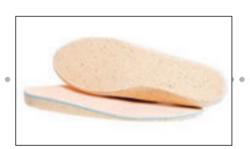






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ORTHOMER CA

Innovation helps company remain at forefront of industry with several new products ROBYN PARETS

Staying on the cutting edge of orthotic devices has been the top priority at Orthomerica since 1989, when the company opened its doors with its first custom orthoses.

Founder and CEO David C. Kerr launched Orlando-based Orthomerica Products Inc. with the goal of manufacturing prefabricated, semi-custom and custom orthotic and prosthetic devices.

"Orthomerica's custom lower extremity division can help in any disease process that affects the stability, strength, alignment, or motion of the lower extremity," said Kerr. "These include diabetic wound care, neuromuscular related diagnoses, Charcot deformities, posterior tibial tendon dysfunction, degenerative joint disease, and contracture management."

Flash forward to today: Orthomerica carries more than 2,400 orthotic and prosthetic devices for the lower extremity market. Using new technology, the innovative company continues to roll out new products, enhance its clinical education and offer unsurpassed customer service. Marketed directly to practitioners, therapists and wound care centers, Orthomerica's offerings include its OWLS (Orthomerica Whole Limb Solutions) Program, Fuzion Family, and Spectrum AFO system.

Helping patients 'adjust' to CROW orthotics

Released in 2014, Orthomerica's OWLS Program features the innovative new "shark-o" line of orthoses, which Orthomerica calls a "challenge to the gold standard" CROW (Charcot Restraint Orthotic Walker). With the goal of developing the most effective orthoses on the market, Orthomerica unveiled its shark-o design CROW at the AAOP Annual Meeting in March 2016. First discovered in clinical testing of the OWLS mid-foot model in October 2015, the shark-o CROWs allows patients the ability to adjust the pressure on the calf to accommodate edema changes while leaving the foot at a set pressure volume.

Patients, doctors and physical therapists can control the volume by overlapping the anterior plastic portion over the dorsum of the foot just like a traditional CROW format. The difference: The anterior portion is able to open and close as the patient experiences edema changes in the leq.

"This feature creates better hydrostatic lift to the calf and leg, reducing the plantar surface pressure at the Charcot site by 72% versus the conventional CROW Boot design," said Kerr.

With this design feature, the orthotist does not need to constantly add and subtract padding. "The patient leg is held much better than the conventional CROW Boot, providing better plantar foot relief and reduced shear forces throughout the foot," said Kerr.

In addition to the new shark-o CROW, the OWLS family includes a wide array of walkers for patients with amputations, as well as diabetic neuropathy leading to foot own joint to help with contracture management for the Fuzion devices. "Once released, this joint will allow for both dynamic and static progressive function for contracture management of the ankle, knee and elbow," said Kerr.

Full spectrum of AFOs

Do you have a patient with a particular need? If so, chances are strong that Orthomerica has the right orthotic device for them. In addition to its full line of innovative OWLS and Fuzion devices, Orthomerica also offers its Spectrum line of custom lace-up leather and synthetic ankle gauntlets, including products designed for patients with edema and those in need of a slim design. Included in the Spectrum line: a custom leather articulating ankle

Orthomerica calls the new "shark-o" line of orthoses, unveiled in March 2016, a "challenge to the gold standard."

ulcers and lower extremity deformities.

Lisa D. Rubrich, MS, CO at Wisconsinbased Mercy Health System Orthotic and Prosthetic Center, said in a statement that her second OWLS patient healed from his wounds in two months and 20 days. The OWLS boots are "changing how we manage our wound care patients and truly saving limbs," she said. "Wounds are healing faster than expected and patients are tolerating the AFOs well."

No patient left behind

When it comes to finding the right orthoses, it's not always easy. Orthomerica is hoping to change this with its Fuzion line, the first lower extremity devices that use compression therapy to assist with spasticity

All told, the Fuzion line offers a new treatment option for patients that haven't been candidates for orthotic management in the past, according to Orthomerica. This is possible due to the product design, which features a proprietary soft foam, offering greater comfort and control due to its circumferential wrap design. Compared to standard thermoplastic AFOs, Fuzion devices allow for volume fluctuation simply by adjusting the Velcro straps.

Next up: Orthomerica is developing its

gauntlet and a mid-calf AFO with semirigid uprights and custom footplates.

The next step: Educate physical therapists

Each patient is unique and Orthomerica prides itself on its ability to custom fit every patient for his or her particular need. Whereas the company's devices are gaining traction every day among practitioners, there is yet another potentially untapped market: physical therapy centers.

Over the next several months, Orthomerica will be creating more brand awareness for its lower extremity products by hosting clinical education programs for physical therapists. This includes partnering therapists with the company's O&P customers, said Kerr.

"Physical therapists are influential in driving the prescription process for key lower extremity products and we believe these referral sources will continue to play an important role in the provision of O&P services in the future," he said.

Robyn Parets is a freelance writer based in Boston.

Article sponsored by Orthomerica.





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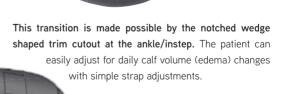
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- Diabetes Mellitus
- Charcot deformity
- Decreased sensation and/or paralysis
- Foot fractures

The "shark-o style" CROW Orthosis is a viable design that makes fitting and follow-up of the Charcot foot easier and more effective. Its design features reduce orthosis weight and pressure to the plantar foot surface as compared to the traditional CROW.



Patent pending design allows adjustable volume changes of the calf while leaving the foot at a set volume. This is achieved by *overlapping* the foot section, locking it in place while at the same time smoothly *underlapping* the calf area allowing the anterior shell to slide easily under the posterior.









Education and innovation playing key roles in company's continued success BY CARY GRONER

medi USA, the U.S. subsidiary of the German company medi, is continuing to bring innovations to its igli line of carbon fiber insole products, with a particular emphasis on the brand's roots in pediatric orthoses.

2016 has proven to be yet another standout year as medi USA pursues its ongoing mission to bring new, technologically innovative products to the market through continuing education and content that helps practitioners provide better and more comprehensive solutions to their patients.

Ed Wilbourne, senior category manager in the Footcare Division for the Whitsett, NC-based company, has acknowledged the importance of focusing on education in addition to product development. This has led to a marketing campaign that ran a special section regularly in LER, as well as additional expansion of materials on its standalone website, igliusa.com.

"The website is a source of information and education for both clinicians and patients," Wilbourne said. "People go there to learn about different conditions and igli products that have worked well for others. Every other month, the site features a new video in case study format that teaches clinicians and patients about common conditions, such as plantar fasciitis, hallux rigidus, and adult-acquired flatfoot, and demonstrates how igli carbon orthoses are used to correct the problem or alleviate pain."

The other part of this recent effort consisted of creating a continuing education materials library, which was accomplished with a medi USA grant. This allowed sponsored content to be published monthly in LER throughout 2016 in a special "Orthotics for the Win" section (lermagzine.com/forthewin), which investigated and reported on important topics like excessive pronation, metatarsalgia and sport-specific applications.

The igli line comprises a series of advanced, easily customizable carbon fiber insoles designed to be quickly adaptable in a clinician's office to accommodate a patient's activities and expectations. A unique aspect of the igli insoles is their carbon "clip," which is roughly three-quarter length and features thin incisions that allow a balance of control and flexibility. The clips are heat-moldable at temperatures from 200-220° F.

"The strategic incisions allow the clini-

cian to control the elements of foot motion without having to put the patient into a restrictive or difficult-to-wear product," Wilbourne explained.

Several circular pads of varying densities are adhered to the bottom of the insole with Velcro; these can be repositioned in the clinic to optimize biomechanics.

As noted, Wilbourne is particularly enthusiastic about the changes in the pediatric line, which have improved and expanded upon the igli Junior model.

"The product's adaptability is even more important for young patients, because they're growing rapidly," he said. "You want to allow their foot to function in model, will start at European size 19 and top out at 34 (fits children aged about 2-8 years). The igli Junior Blue C+ is a heavier-duty model with stiffer carbon that runs from sizes 25-40 (fits children aged about 3-12 years), and is intended for bigger children or special applications requiring a more rigid platform.

"We've made the changes for a variety of reasons," Wilbourne said. "One is durability; we want them to withstand the abuse kids give them."

In the adult arena, the igli Active is now as popular as the Allround, and the two products are the company's best sellers, both in Europe and the US.

"The Active is similar to the Allround in

medi USA continues to pursue its ongoing mission to bring new, technologically innovative products to the market through continuing education and content that helps practitioners provide better and more comprehensive solutions to their patients.

a normal pattern while controlling other factors such as pediatric flatfoot."

The emphasis on pediatrics reflects the foundation of the igli line, Wilbourne said.

"The ability to have a foot diagnosed and a need addressed instantly, with postings that are easily adjusted at the patient's first visit, is the core idea behind igli products," he said. "We are giving clinicians something they can easily customize, without having to take tests and scans, and have the patient walk out with the product. These new insoles take the current model to the next evolutionary stage."

The pediatric products will now be identified by color; for example, the new igli Junior Orange is similar to the original Junior model, including the same deep heel cup, but features a slight recess under the hallux for comfort. It also has a 1-mm layer of EVA (ethylene vinyl acetate) that covers the bottom of the carbon fiber clip and protects it from dirt, sand, and other abrasive substances kids get into that can damage carbon. The new models also feature polyurethane postings, which provide better cushion and resilience than the earlier EVA versions.

The igli Junior Orange, designed to be functionally equivalent to the existing

that it is easy to adjust," said Wilbourne. The big difference is that the Active has a foot-orthotic interface of softer, trilaminate PPT that's more accommodating, whereas the Allround is firmer."

The other igli product that's done particularly well since its introduction is the Heel Spur Light, which uses a dualdurometer insole and a soft silicone insert under the sensitive area of the calcaneus, and has shown particular appeal for patients dealing with plantar fasciitis and related conditions involving heel pain.

Additional models in the line include the Control, for those with hallux rigidus and other arthritic conditions; the Comfort, which offers extra padding under the metatarsals and is targeted at those who spend a lot of time on their feet; and the Hardboot, for rigid sports applications such as ski boots. For situations requiring tighter-fitting shoes, such as soccer or business use, there are the igli Slim and Business models.

Cary Groner is a freelance writer in the San Francisco Bay Area.

Article sponsored by medi USA.

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The patented DynaFlange represents a profoundly new approach to prefabricated orthotic supports. This device dynamically manages motion with every step. Healthcare professionals prescribe DynaFlange to treat the following conditions: plantar fasciitis, heel, hip, knee and low back pain, ankle instability, pronation and supination. Enhanced shock absorption means greater comfort, especially when standing for long periods on hard surfaces.



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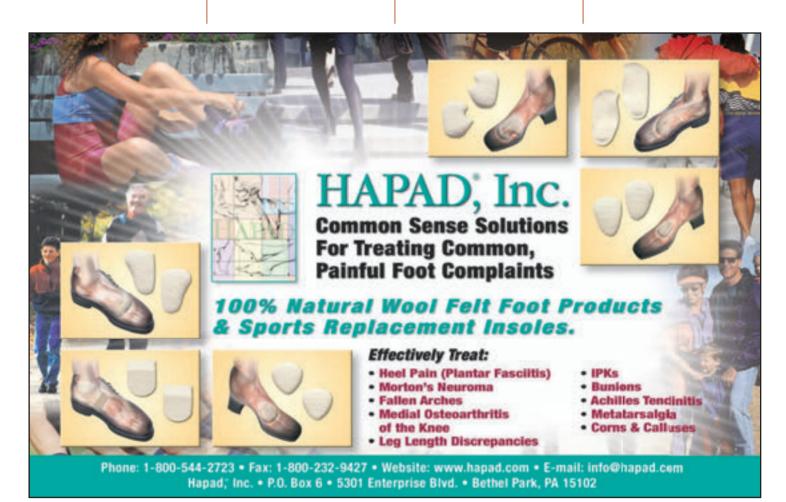
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305 Seaboard Lane Suite 328 Franklin, TN 37067 Phone: 615/771-5900 mephisto.com

Orthofeet

152 Veterans Drive Suite A Northvale, NJ 07647 Toll Free: 800/524-2845 orthofeet.com

Orthozone

2951 100th Court NE Suite 140 Blaine, MN 55449 Phone: 844/656-5500 orthozone.com

P.W. Minor

3 Treadeasy Ave. Batavia, NY 14020 Toll Free: 800/828-8157

Prizm Medical

Box 40 Oakwood, GA 30566 Phone: 770/622-0933 **legandfootpain.com**

Reflexa Socks by Doc's Socks

1325 South Congress Ave. Suite 108 Boynton Beach, FL 33426 Phone: 561/369-3300 agreatsock.com

Roomy Socks

237 Oxmoor Circle #108 Birmingham, AL 35209 Toll Free: 877/860-6948 roomysocks.com

Star Nutrition

702 Mangrove Ave. Suite 167 Chico, CA 95926 Toll Free: 866/412-7827 **starnutrition.com**

The Original Foot Alignment Socks by Rite Sprouts

Box 1434 Willoughby, OH 44096 Phone: 440/256-1526 my-happyfeet.com

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Ambra Le Roy Medical Products

8541 Crown Crescent Ct. Charlotte, NC 28227 Toll Free: 866/203-4760 ambralerov.com

Amerx Health Care (Amerigel)

1300 S. Highland Ave. Clearwater, FL 33756 Toll Free: 800/448-9599 amerxhc.com

Anacapa Technologies

301 East Arrow Hwy. San Dimas, CA 91773 Toll Free: 800/489-2591 anacapa-tech.net

Anastasia Marie Laboratories

6520 N. Western Ave. Suite 100 Oklahoma City, OK 73116 Phone: 405/840-0123 amlab.com

Anatomical Concepts

1399 E. Western Reserve Road Poland, OH 44514 Toll Free: 800/837-3888 anatomicalconceptsinc.com

Anodyne Therapy

14105 McCormick Drive Tampa, FL 33626 Toll Free: 800/521-6664 anodynetherapy.com

AquaShieldUSA/ Orthomed Products

12150 Charles Drive Unit 5

Grass Valley, CA 95945-9555 Toll Free: 800/338-8512 aquashieldusa.com

Bako Integrated Physician Solutions

6240 Shiloh Road Alpharetta, GA 30005 Toll Free: 877/376-7284 **BakoCTS.com**

Bio Compression Systems

120 W. Commercial Ave. Moonachie, NJ 07074 Phone: 201/939-0716 biocompression.com

Bodyglide

1600 124th Ave. NE Suite G Bellevue, WA 98005 Toll Free: 888/263-9454 bodyqlide.com

Brownmed

4435 Main Street Suite 820 Kansas City, MO 51360 Phone: 816/581-7001 brownmed.com

CastCooler

8455 Terrapin Trail Colorado Springs, CO 80919 Toll Free: 888/422-7882 castcooler.com

DARCO International

810 Memorial Blvd. Huntington, WV 25701 Toll Free: 800/999-8866 darcointernational.com

Dry Corp

349 Military Cutoff Road Wilmington, NC 28405 Phone: 910/791-0009 drycorp.com

Farrow Medical Innovations

801 N. Bryan Ave. Bryan, TX 77803 Toll Free: 877/417-5187 **farrowmedical.com**

Ferris Mfg. Corp.

5133 Northeast Pkwy. Fort Worth, TX 76106 Toll Free: 800/765-9636 polymem.com

MaxiBrace Orthopedic Supports

16 McCarthy Road Island Park, NY 11558 Phone: 516/484-0055 maxibrace.com

Milsport Medical Products

1865 Kenmore Ave. Buffalo, NY 14217 Toll Free: 877/341-6494 milsportmedical.com

Molnlycke Health Care US

5550 Peachtree Pkwy. Suite 500 Norcross, GA 30092 Toll Free: 800/882-4582 molnlycke.com/us

Moore Medical

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North Coast Medical

8100 Camino Arroyo Gilroy, CA 95020 Toll Free: 800/821-9319 ncmedical.com

Orthomerica

6333 North Orange Blossom Trail Orlando, FL 32810 Toll Free: 800/446-6770 orthomerica.com

Prizm Medical

Box 40 Oakwood, GA 30566 Phone: 770/622-0933 legandfootpain.com

Silipos

7049 Williams Road Niagara Falls, NY 14304 Phone: 212/687-3260 silipos.com

SoftechMedical

5066 Park Trail North Ridgeville, OH 44039 Toll Free: 888/533-6440 softechmedical.com

Solaris

3880 W. Wheelhouse Road Milwaukee, WI 53208 Phone: 855/892-4140 solarismed.com

Sonostics

ITC-BI, Suite 2112 PO Box 6000 Binghamton, NY 13902 Phone: 855/696-9283 sonostics.com

Southwest Technologies

1746 E. Levee St. North Kansas City, MO 64116 Phone: 816/221-2442 elastogel.com

Spenco Medical

Box 2501 Waco, TX 76702 Toll Free: 800/877-3626 **spenco.com**

Tamarack Habilitation Technologies

1670 94th Lane NE Minneapolis, MN 55449 Phone: 763/795-0057 tamarackhti.com

Tetra Medical Supply Corp.

6364 W. Gross Point Road Niles, IL 60714 Toll Free: 800/621-4041 **tetramed.com**

Tillges Technologies

1570 Beam Ave. Maplewood, MN 55109 Phone: 855/484-5832 pressureguardian.com

Total Vein Systems

901 Yale St. Houston, TX 77008 Toll Free: 888/868-8346 **totalvein.com**

Trademark Medical

449 Sovereign Court St. Louis, MO 63011 Toll Free: 800/325-9044 trademarkmedical.com



Clinical study confirms benefits of Townsend's OA bracing technology BY LER STAFF

For any medical professional who questions whether or not osteoarthritis (OA) braces work, a study published in two respected O&P journals proves Townsend's OA bracing technology achieves substantial mechanical unloading, statistically significant pain reduction, and significant improvements in activity level and overall quality of life.

Original research published in the *Journal of Prosthetics* and *Orthotics and Prosthetics* and *Orthotics International* described outcomes in patients who wore the Rebel Reliever at least six hours a day for six months. A multitude of benefits began as early as two weeks after fitting, increased after two months, and continued to produce significant results throughout the six months the patients were tracked.

Conducted by independent researchers at Stony Brook University in New York, the study tracked a group of patients with Kellgren-Lawrence scale classification of 2, 3 or 4, and a body mass index ranging from 24-49 (average 35). As such, these patients had significant deterioration of bone and tissues inside the knee, and were overweight. The resulting pain caused by compartment compression and malalignment of the leg substantially impacted their mobility and quality of life.

"This was an independent clinical study. Townsend provided funding, but our company was not involved in patient recruitment, had no role in the testing, and we never had access to the data. The researchers enrolled patients who had significant OA and daily pain," said Rick Riley, Townsend's CEO. "The Rebel Reliever wasn't a new brace. We had sold it for nearly a decade and had great testimonials from hundreds of patients, orthotists and physicians about the benefits achieved by the brace. But some doctors and medical professionals want clinical evidence."

Patients were initially put through a series of tests without the brace. They also completed a baseline survey of their existing pain and functionality using the Knee injury and Osteoarthritis Outcome Score (KOOS). Each patient was fit by a certified prosthetist orthotist selected by the researchers, who adjusted the brace

and instructed patients on how to put it on correctly. The patients repeated the same testing procedures after two weeks and two months of daily use.

The primary testing included instrumented gait analysis using a 12-camera motion capture system, with patients walking at a self-selected pace over floor-mounted force plates with reflective markers attached to their leg and the brace. Secondary tests included a walking distance assessment, comparing how far each patient walked in six minutes without the brace, and then when wearing the brace. There was also a balance assessment with and without the brace,

different OA brace designs. These unloading-type braces all feature adjustable corrective force, proprietary hinge motion, and exclusive brace suspension technology. All of Townsend's OA braces are made in the U.S.

The company's newest OA braces, the Active Reliever and the Dynamic Reliever, are designed for older patients with features like quick-release buckles that make the brace easier to put on. These braces also feature a semi-rigid single-hinge construction that makes the braces more comfortable and lower profile.

"I think it is generally known, especially among O&P professionals, that Townsend

"This clinical study demonstrated the Rebel Reliever achieved, on average, a remarkable 36% unloading effect during the gait cycle. Patients also reported a significant decrease in pain at the same time their activity level and daily walking distance were increasing." —CEO Rick Riley

and testing of muscle performance of the knee flexor and extensors on the osteoarthritic side of the knee.

Additionally, each brace was retrofitted with a distance-measuring device to determine how far the patient walked each day while wearing the brace. Patients were asked to complete a daily log to record the distance. Patients also completed the KOOS survey at set intervals to determine their perception of how the brace was contributing to a reduction in pain and improvements to their activity level and overall quality of life.

"This clinical study demonstrated the Rebel Reliever achieved, on average, a remarkable 36% unloading effect during the gait cycle. Patients also reported a significant decrease in pain at the same time their activity level and daily walking distance were increasing," said Riley.

To address each patient's individual needs, body type and age, Townsend offers an industry-leading range of OA braces. The same core concepts and technology utilized in the fabrication of the Rebel Reliever are incorporated into the design and construction of Townsend's Reliever Series, which includes nine

is the go-to company that can handle extremely obese patients and severe varus or valgus deformities. We excel at finding solutions for the most challenging physical anomalies and mobility issues," said James Cobb, CPO, who directs Townsend's Specialty Bracing Department.

In addition to having the industry's most extensive custom fabrication capabilities, Townsend is the only manufacturer that makes "customized" off-the-shelf (OTS) aluminum knee braces from three leg measurements instead of just a thigh circumference measurement.

"A lot of patients don't have proportionally-sized legs, especially OA patients. That's why we allow our customers to provide three leg measurements so we can individually make each brace to intimately fit the thigh, knee and calf," said Joe Hernandez, a fabrication director at Townsend with nearly 20 years on the job. "Our Rebel Reliever OA brace, and our Rebel ACL brace, are the best-fitting OTS braces on the market, because they are essentially a custom brace at a presized price."

Article sponsored by Townsend Design.

FEATURED LISTINGS



GenuTrain knee supports provide pain relief, stability, and joint protection without limiting mobility. Soft, moisture-wicking fabric is durable and machine-washable, and provides medical-grade compression to reduce pain and swelling and increase proprioception for greater confidence. For treatment of sprains, strains, swelling, tendinitis, feelings of instability, and knee pain.



Bauerfeind USA 1230 Peachtree St. NE Suite 1000 Atlanta, GA 30309 Toll Free: 800/423-3405

bauerfeindusa.com

Company Profile on p. 87



Townsend Design's roll-and-glide hinges and patented anti-migration technology optimize functional support and brace suspension. Townsend has the industry's most extensive fabrication capabilities and widest range of custom, customassembled, and presized ligament instability braces, all made in the U.S.



Townsend Design 4615 Shepard St. Bakersfield, CA 93313 Toll Free: 800/432-3466 townsenddesign.com

Company Profile on p. 80



VQ OrthoCare's line of functional knee ligament braces includes the Catalyst line, which meets the specific needs of patients. The Catalyst line comes in a rigid as well as the patented Active Thigh Cuff (ATC), preventing migration enabling in a system that adapts to thigh volume changes during flexion and extension.



VQ Orthocare 18011 Mitchell South, Suite A Irvine, CA 92614 Toll Free: 800/652-1135 vgorthocare.com

COMPANY LISTINGS

Armor Sports Holdings

8912 E. Pinnacle Peak Road Suite F9-623 Scottsdale, AZ 85255 Phone: 480/513-1049 airarmor.com

Baiwa

13020 FM 2709 Eustace, TX 75124 Phone: 903/425-0116 baiwa.com

Beiersdorf/Futuro

187 Danbury Road Wilton, CT 06897 Phone: 203/563-5882 futurous.com

Bort-Swiss Orthopedic Supply

4533 N. Hwy. 81 Anderson, SC 29621 Phone: 864/231-9144 bort-swissortho.com

COMPANY LISTINGS

Breg

2885 Loker Ave. E. Carlsbad, CA 92010 Toll Free: 800/897-BREG (2734) breg.com

DeRoyal

200 Debusk Lane Powell, TN 37849 Toll Free: 800/251-9864 **deroyal.com**

DJO Global

1430 Decision St. Vista, CA 92081 Toll Free: 800/336-6569 dioglobal.com

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In the Groove

7600 Madeline St. Saginaw, MI 48609 Phone: 517/781-6030 inthegroovebrace.com

Joint Active Systems

2600 S. Raney St. Effingham, IL 62401 Toll Free: 800/879-0017 **jointactivesystems.com**

Kinesio USA

3901 Georgia St. NE, Bldg. F Albuquerque, NM 87710 Phone: 505/856-2029 **kinesiotaping.com**

Matrix

118 Santa Maria Irvine, CA 92606 Phone: 949/394-0374 **matrixbracing.com**

McDavid Sports Medical Products

10305 Argonne Drive Woodridge, IL 60517 Toll Free: 800/237-8254 mcdavidusa.com

medi USA

6481 Franz Warner Pkwy. Whitsett, NC 27377 Toll Free: 800/633-6334 **mediusa.com**

Mueller Sports Medicine

1 Quench Drive Prairie du Sac, WI 53578 Toll Free: 800/356-9522 **muellersportsmed.com**

Neurotech

12400 Whitewater Drive Suite 2010 Minneapolis, MN 55343 Phone: 651/454-8874 neurotech.us

Orthopedic Pharmaceuticals

9216 Palm River Road Suite 203 Tampa, FL 33619 Toll Free: 866/254-0932 orthogel.com

Polar Products

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Primal Pictures

4th Floor Tennyson House 159-165 Great Portland St. London, W1W 5PD United Kingdom Phone: 44-207-637-1010 primalpictures.com

Pro Orthopedic Devices

2884 E. Ganley Road Tucson, AZ 85706 Toll Free: 800/523-5611 proorthopedic.com

Sports Balance Technology

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ONLY MADE IN THE USA TOWNSEND

No other brace manufacturer routinely fabricates OA knee braces for patients like this.





FEATURED LISTINGS



If you are experiencing pain, swelling and stiffness in your knee then chances are you have osteoarthritis. V-VAS Orthosis is a unique offloading/realigning brace. Its polycentric adjustable hinge design creates an ideal bending moment that results in the precise offloading/realigning experience. It doesn't need to be removed to adjust offloading.



Anatomical Concepts 1399 E. Western Reserve Road Poland, OH 44514 Toll Free: 800/837-3888 anatomicalconceptsinc.com



GenuTrain A3 knee support helps treat complex, chronic knee pain due to degenerative conditions, including osteoarthritis, early arthritis, and medial meniscus tear. Soft, moisturewicking 3D knit conforms to natural knee shape and allows for mobility while providing increased stability. Viscoelastic patella insert stabilizes and supports. Durable and machine washable.



Bauerfeind USA 1230 Peachtree St. NE Suite 1000 Atlanta, GA 30309 Toll Free: 800/423-3405

bauerfeindusa.com

Company Profile on p. 87



The AirShift OA knee brace uses an air bladder system to comfortably unload the opposite knee compartment with a three-point leverage system. The AirShift is easy to apply due to its wraparound design and has a single hinge that is placed opposite the knee compartment being treated for unicompartmental osteoarthritis.



Med Spec (ASO EVO) 4600-K Lebanon Road Charlotte, NC 28227 Toll Free: 800/582-4040 medspec.com



Townsend Design's Reliever Series includes the industry's most diverse range of osteoarthritis knee braces: custom, custom-assembled, and presized. New braces include the Active Reliever and Dynamic Reliever. All braces include adjustable corrective force and anti-migration technology to optimize compartment unloading and patient compliance. Try our number one selling osteoarthritis brace, the Rebel Reliever, which is clinically proven to dramatically reduce pain and increase activity level and leg muscle strength.



Townsend Design 4615 Shepard St. Bakersfield, CA 93313 Toll Free: 800/432-3466 townsenddesign.com

Company Profile on p. 80



VQ OrthoCare's line of osteoarthritis knee braces includes the Catalyst Propel OA with dual Q-hinges, changing the overall varus/valgus angle of the brace, the OActive 2 (shown here), a universally sized single-hinge brace that unloads either medial or lateral compartment, and the FreeFlex OA, a wrap-style brace for mild osteoarthritis.



VQ OrthoCare 18011 Mitchell S. Irvine, CA 92614 Toll Free: 800/266-6969 vgorthocare.com

COMPANY LISTINGS

Allard USA 300 Forge Way Suite 3 Rockaway, NJ 07866

Toll Free: 888/678-6548

allardusa.com

Bledsoe Brace Systems 2601 Pinewood Drive

Grand Prairie, TX 75051
Toll Free: 888/253-3763
bledsoebrace.com

BRD Sport

7 Cook Road East Brunswick, NJ 08816 Phone: 732/238-5479 **brdsport.com**

Elite Seat

15299 Stony Creek Way Noblesville, IN 46060 Toll Free: 866/756-3706 eliteseat.com

FLA Orthopedics

2881 Corporate Way Miramar, FL 33025 Toll Free: 800/327-4110 flaorthopedics.com

COMPANY LISTINGS

medi USA

6481 Franz Warner Pkwy. Whitsett, NC 27377 Toll Free: 800/633-6334 **mediusa.com**

Medical Fitness Solutions

543 E Alvarado St. Fallbrook, CA 92028 Phone: 760/451-3445 **medicalfitsolutions.com**

New Options Sports

2545 Merrell Road Dallas, TX 75229 Toll Free: 800/872-5488 **newoptionssports.com**

Ongoing Care Solutions

6545 44th St. N. Unit 4007 Pinellas Park, FL 33781 Toll Free: 800/375-0207 ongoingcare.com

Ossur North America

27051 Towne Centre Drive Foothill Ranch, CA 92610 Toll Free: 800/233-6263 **ossur.com**

Pro Orthopedic Devices

2884 E. Ganley Road Tucson, AZ 85706 Toll Free: 800/523-5611 proorthopedic.com

ReGear Life Sciences

2000 Cliff Mine Road Suite 450 Pittsburgh, PA 15275 Toll Free: 888/573-4327 regearlife.com

Trulife

26296 Twelve Trees Lane NW Poulsbo, WA 98370 Toll Free: 888/878-1238 **trulife.com**

Vasyli Medical

4040 Civic Center Drive Suite 430 San Rafael, CA 94903 Toll Free: 888/882-7954 vasylimedical.com

■ Patellofemoral Pain

FEATURED LISTINGS



GenuTrain P3 knee support relieves patellofemoral pain and inflammation caused by misalignment of the patella and pain radiating from muscles, tendons, and joints around the knees. Together with a corrective strap, a viscoelastic patella pad holds the kneecap securely in a natural, central position and prevents drifting.



Bauerfeind USA 1230 Peachtree St. NE Suite 1000 Atlanta, GA 30309

Toll Free: 800/423-3405 bauerfeindusa.com

Company Profile on p. 87



The DynaTrack Plus Patella Stabilizer by Med Spec aids in the treatment of patellofemoral dysfunction. Its patented design applies continuous pressure to the patella during full range of motion. In addition, removable plastic hinges enhance the brace's ability to conform to the knee during flexion and provide a stable base for the dynamic buttress.



Med Spec (ASO EVO) 4600-K Lebanon Road Charlotte, NC 28227 Toll Free: 800/582-4040 medspec.com

COMPANY LISTINGS

Alpha Medical Brace

303 Church St. Rock Hill, SC 29730 Toll Free: 866/547-3897 alphamedicalproducts.com

Baiwa

13020 FM 2709 Eustace, TX 75124 Phone: 903/425-0116 baiwa.com

Beiersdorf/Futuro

187 Danbury Road Wilton, CT 06897 Phone: 203/563-5882 **futurous.com**

BetterBraces.com

541 Wind Sock Way Carlsbad, CA 92011 Phone: 760/579-0214 betterbraces.com

Bio Skin/Cropper Medical

240 E. Hersey St. Suite 2 Ashland, OR 97520 Toll Free: 800/541-2455

bioskin.com

Biowave 16 Knight St. Norwalk, CT 06851 Toll Free: 877/246-9283 biowave.com

Bird & Cronin

1200 Trapp Road Eagan, MN 55121 Toll Free: 800/328-1095 birdcronin.com

Brace International, Inc

Box 19752 Atlanta, GA 30325 Toll Free: 800/545-1161 braceint.com

Corflex

669 E. Industrial Park Drive Manchester, NH 03109 Toll Free: 800/426-7353 **corflex.com**

DeRoyal

200 Debusk Lane Powell, TN 37849 Toll Free: 800/251-9864 **deroyal.com**

DJO Global

1430 Decision St. Vista, CA 92081 Toll Free: 800/336-6569 dioglobal.com

Foot Foundation

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7600 Madeline St. Saginaw, MI 48609 Phone: 517/781-6030 inthegroovebrace.com

Insite Insoles

3612 Lafayette Road #5 Portsmouth, NH 03801 Phone: 603/766-0159 insiteinsoles.com

Juzo

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medi USA

6481 Franz Warner Pkwy. Whitsett, NC 27377 Toll Free: 800/633-6334 **mediusa.com**

Medi-Dyne

1812 Industrial Blvd. Colleyville, TX 76034 Phone: 817/251-8660 **medi-dyne.com**

Medical Sports, Inc.

Box 7187 Arlington, VA 22207 Phone: 703/241-9720 countrforce.com

Mueller Sports Medicine

1 Quench Drive Prairie du Sac, WI 53578 Toll Free: 800/356-9522 **muellersportsmed.com**

New Options Sports

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OPTP

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OrthoRx

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Palumbo Orthopaedics

1916 Tiger Tail Blvd. Bldg. 11 Dania Beach, FL 33004 Phone: 954/925-5806 **palumbobraces.com**

Pressure Positive

128 Oberholtzer Road Gilbertsville, PA 19525 Toll Free: 800/603-5107 **pressurepositive.com**

SpiderTech

3370 Pharmacy Ave. Toronto, ON M1W 3K4 Canada Phone: 416/490-4000 nucapmedical.com

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" ...and I like the new brace too because Andrew's not complaining about knee pain after a hard day's work!"

Mandy Rizzo (Andrew's wife)

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GenuTrain knee supports provide pain relief, stability, and joint protection without limiting mobility. Soft, moisture-wicking fabric is durable and machine-washable, and provides medical-grade compression to reduce pain and swelling and increase proprioception for greater confidence. For treatment of sprains, strains, swelling, tendinitis, feelings of instability, and knee pain.



Bauerfeind USA 1230 Peachtree St. NE Suite 1000 Atlanta, GA 30309 Toll Free: 800/423-3405

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COMPANY LISTINGS

Active Ankle Systems

Box 1001 Gardner, KS 66030 Toll Free: 800/800-2896 activeankle.com

AquaJogger

4660 Main St. Unit B270 Springfield, OR 97478 Phone: 541/484-2454 aquajogger.com

Bioflex Medical Magnetics

3370 NE 5th Ave.
Oakland Park, FL 33334
954/565-8500
bioflexmagnets.com

COMPANY LISTINGS

Bio Skin/Cropper Medical 240 E. Hersey St.

Suite 2 Ashland, OR 97520 Toll Free: 800/541-2455 bioskin.com

Bledsoe Brace Systems

2601 Pinewood Drive Grand Prairie, TX 75051 Toll Free: 888/253-3763 bledsoebrace.com

Cascade Orthopedic Supply

2638 Aztec Drive Chico, CA 95928 Toll Free: 800/888-0865 cascade-usa.com

Corflex

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PerformanceHealth.com

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deroyal.com

1430 Decision St. Vista, CA 92081 Toll Free: 800/336-6569 dioglobal.com

Elite Orthopaedics

1535 Santa Anita Ave. South El Monte, CA 91733 Toll Free: 800/284-1688

elite-ortho.com

Gehring-Tricot Corp. 1225 Franklin Ave. Suite 300 Garden City, NY 11530 Phone: 516/747-4555 gehring-tricot.com

Halco USA

2730 Cavanagh Court Hayward, CA 94545 Toll Free: 877/532-1561 halcohookloop.com

Hely & Weber

Box 832 Santa Paula, CA 93061 800/654-3241 hely-weber.com

La Pointique Int'I

Oppo Medical 1030 Industry Drive Tukwila, WA 98188 Toll Free: 800/979-1932

lp-support.com/oppomedical.com

Medi-Dyne Healthcare Products

Box 1649 Colleyville, TX 76034 Phone: 817/251-8660 **medi-dyne.com**

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Ovation Medical

5155 Clareton Drive Agoura Hills, CA 91301 800/403-6466 ovationmed.com

PerformTex Kinesiology Tape

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Press Wrap

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SunMedica, Inc.

1661 Zachi Way Redding, CA 96003 Toll Free: 800/995-8715 sunmedica.com

Swede-O, Inc.

6459 Ash St. North Branch, MN 55056 800/525-9339

swedeo.com

Townsend Design

4615 Shepard St. Bakersfield, CA 93313 Toll Free: 800/432-3466 townsenddesign.com

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Triple Inc.

Box 1865 610 E. Bell Drive Warsaw, IN 46581 Phone: 574/267-1450 deltai-medical.com



Industry leader continues to push forward with expanded line of products and services BY P.K. DANIEL

For the past 16 years, Surestep has been a stalwart in the O&P industry, improving many lives by providing stability to children with hypotonia who pronate with its patented, dynamic bracing system. Since the development of the Surestep SMO, Surestep has evolved to become a leader in the industry as it provides solutions for all children, regardless of diagnosis. The company offers a full line of products, capable of treating deficits at the foot and ankle, knee, trunk and head.

An area of focus for Surestep is its central fabrication services. According to Bernie Veldman, CO, Surestep's CEO, it's becoming more and more critical that O&P practitioners consider using outside services for timesaving central fabrication.

"As a manufacturer, it's important to stay ahead of the curve when it comes to innovation and product development," he said. "Allowing clinicians to tap into our knowledge and resources with our central fabrication could be a game-changer for their businesses. Instead of spending valuable time fabricating, now they can spend time helping those in need."

Central fabrication increases practitioner productivity by keeping practitioners out of the lab and with patients. Subsequently, this means an increase in revenue, as clinicians are the only revenue generators in an O&P practice. Using Surestep central fabrication will allow clinicians to manage profitability, time, and costs easily and more effectively, Veldman said.

Surestep recently introduced its custom dynamic cervical orthosis (DCO), which features a HCPCS code that is covered by most insurers. The device is designed for patients with mild to moderate head ptosis (head drop). On the heels of its success, Surestep presented several more products, including one to treat pediatric torticollis.

"We have had really good response on the DCO," said Suzi Klimek, Surestep's executive director of corporate marketing. "It's a product that's been very well received, and we're trying to now build on varying product offerings that relate to the DCO."

At AOPA 2016, Surestep debuted its brand-new course, Navigating New Pathways: Orthotic Tools for Maximizing Therapeutic Outcomes in Neuromuscular Pediatric Populations. For more than a decade, Surestep has presented free continuing education courses all across the United States. But rather than tweaking or updating a past course, Surestep created completely original content for its most recent development.

"Instead of trying to remodel a house, we decided to tear it down and start

gait pattern while treating toe walking at the source.

Traditionally, these patients would be fit with an AFO that stops plantar flexion, which inhibits proper gait and gross motor skill development. The Surestep Toe Walking SMO does not completely block plantar flexion and does not need a full footplate. This design allows patients to develop proper gait mechanics and gross motor skills that require plantar flexion, such as running and jumping. Rather than blocking plantar flexion to stop toe walking, the goal of the Surestep Toe Walking SMO is to treat the primary source of toe walking, whether it

"Allowing clinicians to tap into our knowledge and resources with our central fabrication could be a game-changer for their businesses. Instead of spending valuable time fabricating, now they can spend time helping those in need."

- Bernie Veldman, CO, Surestep CEO

from scratch," said Klimek. "We find it extremely important to offer quality education throughout the industry."

The new course compares traditional bracing solutions with the new pathways, which allows professionals to think outside the box with outcome-based solutions. The presentation focuses on typical pediatric development through key stages: 0-3 years, 3-6 years, and 6 and older. The course provides orthotic solutions for children who present with atypical development and offers great visual and objective data comparing Surestep products to competitor products.

Also at AOPA, Surestep introduced the Surestep Toe Walking SMO, a modification of its standard SMO. This innovative solution is intended for patients with low tone who toe walk due to sensory or stability concerns. The posterior extension provides a kinesthetic reminder for the patient to come down off his or her toes. It also helps facilitate a heel-toe

is sensory and/or stability, and eventually graduate the child from the orthoses.

Surestep also offers a Product Navigation Tool to assist orthotists, physical therapists and parents who are unsure about the device that would be best for their child. Visit the products page at surestep.net/products and click on the "let us help" button to get started. While it doesn't take the place of a professional evaluation from a certified clinician, it can help educate and guide parents, and can aid professionals.

"This tool is helpful to those people who are able to answer a few basic questions about the child's presentation," said Megan Smith, CO, director of clinical research for Surestep. "As questions are being answered, the program is designed to then pull potential orthotic solutions for that patient. If anything, it guides professionals in the proper clinical direction."

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The Surestep core product—the Surestep SMO system—continues to revolutionize orthotic management for children with hypotonia. It has become the mandated method of treatment for this population in many areas of the world. As Surestep continues to arow, so does its product line. In the past year, Surestep has introduced new products that include the Criss Crossers and the Dynamic Cervical Orthosis (DCO). The company has also launched Surestep Academy, its education division. For detailed information regarding the newest developments with Surestep, visit surestep.net.



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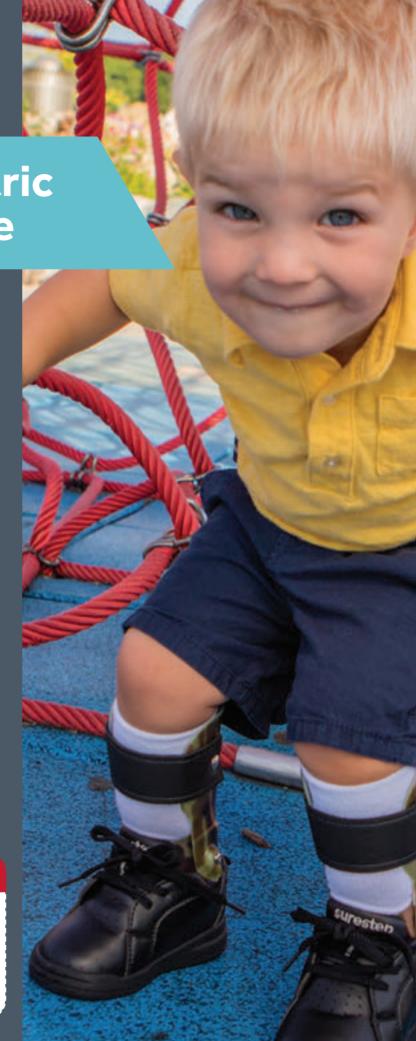
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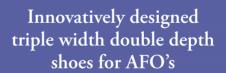
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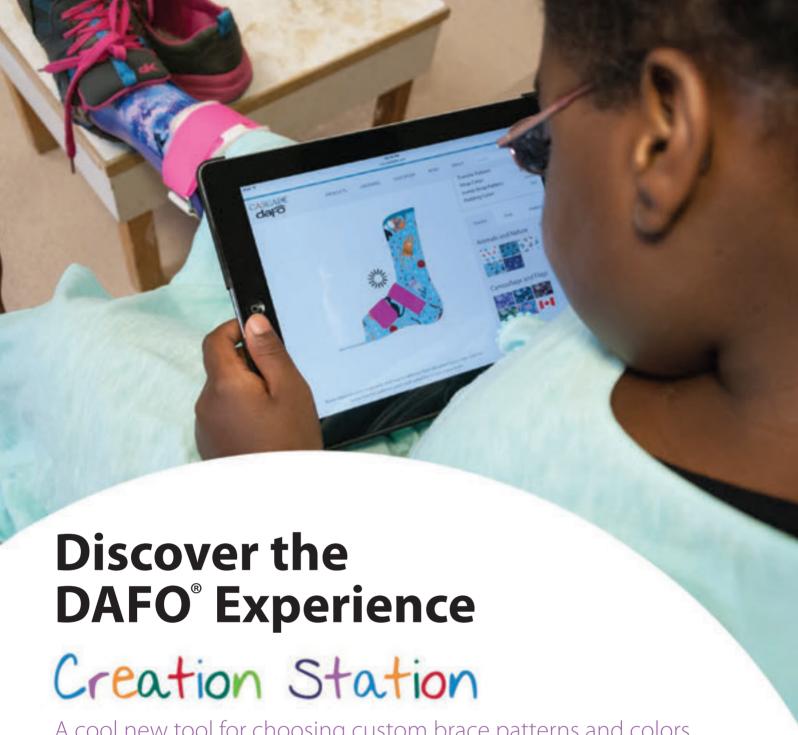
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Helping Kids lead healthier, happier lives



A global mission to spread clubfoot treatment, training to those in need BY SAMANTHA ROSENE

More than 50 years ago, orthopedic surgeon Ignacio V. Ponseti, MD, developed a technique to correct congenital clubfoot. The Ponseti method corrects the deformity through the use of serial casts followed by application of a specialized brace, and is now the preferred method

of treatment worldwide.

In 1995, Ponseti, professor of orthopedics at University of Iowa in Iowa City, recruited John Mitchell, who had experience making anatomical foot models, to create clubfoot models. Mitchell's interest in the procedure grew, and he decided to independently design a device to be a more comfortable and effective brace than the current models.

Mitchell had had no previous experience designing braces, but during his work creating clubfoot models, he realized the braces used by patients were far from flawless.

"The babies had blisters and sores on their feet when they were only six months old," he remembers. "I turned to Ponseti and I said, 'Why don't you call the company and have them fix the braces so they don't hurt the babies?' He said they wouldn't, then asked, 'Why don't you do something about it?""

So Mitchell did.

In 2003, he established MD Orthopaedics to manufacture and distribute the product. The company, located in Wayland, IA, is about 50 miles from the University of Iowa, which allowed Mitchell to maintain close contact with Ponseti during the brace's development.

Mitchell spent two and a half years working in his garage to develop a brace, sending more than 25 prototypes to Ponseti to evaluate until the design was just right. The Mitchell brace features two ankle foot orthoses (AFOs) connected by an abduction bar, each with a rubber inner lining and soft synthetic leather body that adapt readily to the foot and contribute to patient comfort. Additionally, the AFOs are fastened with a patented Quick Clip model that snaps on and off of the bar and has

viewing holes at the heel to allow the patient's parents or caregiver to verify proper placement.

The improvements developed by Mitchell allow for increased compliance with the Ponseti method and help correct clubfoot more effectively.

Mitchell credits a meaningful conversation with God for his pursuit of a better brace and the formation of MD Orthopaedics.

"The thing that's amazing to me is I think back now and I almost didn't do it," he said. "I had a good job and I had

according to Emily Ferguson, business manager of MD Orthopaedics and executive director of On His Path.

"All our MD Orthopaedics employees volunteer hours of their personal time helping with On His Path projects," Ferguson said. "Employees also perform all administrative and operational tasks for On His Path."

This set-up ensures every dollar donated goes directly and fully to the project or program it's meant for, she said.

The group supports clubfoot treatment and clinics around the globe. For example,

To spread clubfoot care around the world, Mitchell and his wife founded On His Path, a nonprofit extension of MD Orthopaedics that supports international missions and donations.

friends. And I heard the Lord tell me, 'Leave this job and your friends. Come on, I have something else for you to do'. It was scary. And I look back now and think, I was obedient, and I've changed so many people's lives."

In efforts to spread clubfoot care to the rest of the world, Mitchell and his wife Jean founded On His Path, a non-profit extension of MD Orthopaedics that supports international missions and donations. The program also provides for handicapped individuals, widows, orphans, and those in need of clean water and nutrition programs.

"I knew I wanted to help [children with] clubfoot and handicapped people and people who are [in the] third world and have issues like water [supply] and education," Mitchell said. "So it's kind of a broad scope. It covers a lot of things."

Mission trips have included visits to India, El Salvador, and Haiti, among others, with volunteers including MD Orthopaedics staff and community members as well as area pastors and ministers,

On His Path and Ponseti International, an association that advocates for use of a method, helped coordinate the second annual Ponseti Method Training Course in El Salvador. About 39 orthopedic surgeons, physiotherapists, nurses, and residents underwent training. Since 2012, On His Path has identified and treated hundreds of patients in El Salvador. Through training of local physicians, they hope to continue reaching more patients with treatment, she said.

Mitchell is thankful for the risk he took and the results he's influenced.

"Our product is made here in the U.S.," Mitchell said. "And I know it helps kids all over the world, and it's neat that you can do that from a little town like ours in the middle of lowa, which has less than a thousand people. It's a little town, and we're affecting the world. That's neat."

Samantha Rosenblum is a freelance writer in Boston. MA.

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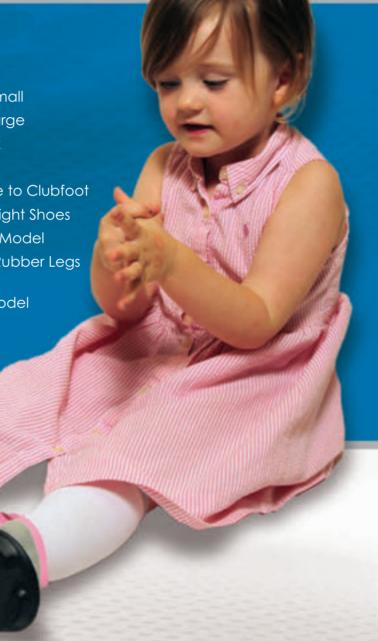
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For KeepingPace's new owner, a bookkeeping job led to a career—and a passion BY NANCY SHOHET WEST

With a strong professional background in bookkeeping, accounting and office management, Erin Lewis knew there were any number of businesses that could use her skills. But she wanted to find work in an industry that felt meaningful to her.

"I floated around for a while, trying everything from yacht interiors to craft stores," Lewis recalled. "But none of them felt like just the right fit."

It turned out that "the right fit" would be more than just a figure of speech. Lewis knew she'd made a match when she found work through a friend at KeepingPace, a Massachusetts-based footwear sales and manufacturing company devoted to producing shoes for children with disabilities who wear braces, inserts or other corrective orthopedic equipment.

At the time Lewis came aboard, KeepingPace was run by its founder, Lori Watson, who launched the company in 2004 because she was not able to find a well-fitting shoe for her son, who has cerebral palsy. Lewis joined the company as an order processor in 2006 while earning her accounting degree, then took over the bookkeeping in 2009.

She worked with Watson for the next six years, and in that time, despite having little previous exposure to the needs of children with disabilities, "Fell in love with the industry," she said. "Lori taught me everything I know. She instructed me about shoe manufacturing, about braces, and about the specific needs of the kids who make up our clientele."

KeepingPace serves the orthopedic footwear needs of children with many chronic conditions, including cerebral palsy, Down syndrome, and spina bifida, as well as temporary conditions like club foot and toe walking.

After establishing herself at Keeping-Pace in bookkeeping, Lewis branched out under Watson's tutelage into production and materials purchasing. "The more I got involved, the more I enjoyed learning about the industry," she said.

So when Watson expressed the urge to sell the company, Lewis knew she was ready for the big step of taking it over. Lewis and her mother together bought KeepingPace, closing on ownership at the end of 2015.

The first challenge for the new owners was a significant one: finding a new production factory. Transitioning operations to the new manufacturer took 90 days longer than originally planned, but the de-

regularly as well, since many children buy all their shoes from KeepingPace and don't want the same shoe year after year.

Watson, meanwhile, stayed on after selling the company to focus on the research and development side of the business. She now works with Lewis to find ways for the business to expand into new products for their clientele.

KeepingPace has expanded in another direction, as well, with a corporate social responsibility mission. The company has recently sent employees to Jamaica,

Lewis is committed to updating styles regularly as well, since many children buy all their shoes from KeepingPace and don't want the same shoe year after year.

lay demonstrated to Lewis just how devoted KeepingPace's clients were to their product.

"We have such loyal customers that they were willing to wait for their shoes," Lewis said, giving Watson credit for establishing such a committed clientele. "Customer loyalty is our greatest asset."

The new factory also allows Keeping-Pace to work with upgraded materials and styles.

"It's a premium factory that produces a better-looking and better-performing product," Lewis said. This is essential, since a key to meeting the needs of their clients is understanding that fashion is important to young people with disabilities.

"They like the fact that we have shoes that look just like the shoes any other kid is wearing, not like they came from a doctor's office," she said.

Lewis is committed to updating styles

where they set up mobile clinics so that local children with disabilities may be matched with appropriate footwear. Industry peers have helped out by donating braces and walkers.

As Lewis establishes herself as new owner of the company, her next challenge is to get the word out to a wider audience.

"We're primarily word of mouth," she said. "There are still orthotists and podiatrists who don't fully recognize the potential of properly fitted footwear for children who wear braces. They instruct parents to simply buy a shoe two sizes bigger than their child's foot size. That's finally starting to change, and testimonials from our customers show how much it means to them to be able to come to us to find a shoe that actually helps their brace work better, rather than just adequately fitting over it."

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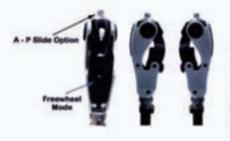
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Leading innovation in gait and balance measurement BY LER STAFF

"Managing and synthesizing accurate gait data is essential to outcomes-driven healthcare, however, every successful system purchase demands an equally successful system implementation," said ProtoKinetics co-founder Michael Rowling. "ProtoKinetics promotes our products based on exceptional quality, support and services. That's why in 2016, hospitals, universities, private clinics, device manufactures and several pharmaceutical companies acquired our products."

Their support team includes: Rowling, BS (Kinesiology) with a global view of healthcare and attention to researchers' and clinicians' requirements, Youan Chang, PhD (Computer Science & Applied Mathematics) a leading innovator in statistics and signal processing, Patrick Roscher, MS (Biomechanics), and Arnaud Gouelle, PhD (Motor Control). Their combined clinical and research experience makes them uniquely qualified to guide their clients through all the steps necessary for a successful system implementation.

Rowling and Chang, former management employees of CIR Systems Inc., acquired the GAITRite™ technology from CIR Systems and formed ProtoKinetics in April 2012. In less than five years, their best-in-class product and product knowledge, combined with expert customer service, have produced the most popular "gait mat" technology in the world, said Rowling.

ProtoKinetics engaged ZenoMetrics, headed by Constantin Trantzas, inventor and manufacturer of the GAITRite™ System, to create a new generation of walkways, conceptually based on the GAITRite™. The Zeno Walkway has upgraded electronics and sensing technology that achieve superior sensitivity and linearity. The two- or three-layer portable low-profile housing reduces sensor damage and prevents the edges from curling. This facilitates a smooth transition onto the surface for both assisted and unassisted walking. The Zeno is available in 2-, 3-, and 4-foot widths and 8- to 52-foot lengths.

"Teaming up with Zenometrics to rename and improve the GAITRite $^{\text{TM}}$ has allowed ProtoKinetics to maintain complete continuity in producing our validated Zeno

Walkway," stressed Rowling. "Customers are thrilled with the improved look and versatility of the Zeno and can't believe that PKMAS (ProtoKinetics Movement Analysis Software) is so powerful, easy-to-use, and graphically-pleasing."

"The groundbreaking measurements that Chang has already implemented into PKMAS are, according to our customers, 'revolutionary' and 'game-changers,'" Rowling said. It allows unlimited collection of multiple passes on the Zeno Walkway. Trials can be started when the patient is standing or in flight, enabling assessment of balance, walking, running, and jumping.

In addition to the standard temporal spatial parameters, there are five unique measurements within PKMAS: Symmetry of Propulsion (SoP), Multiple Footfall Comtice, because the literature indicates more falls occur during transitional movements than straight-line walking," said Rowling. "The PKMAS PGS addresses transitional movements in a single test, is easy to administer (+/- 1 minute), and requires no editing. Gait efficiency, symmetry, speed, and balance measures are reported immediately upon saving the trial."

The GVI is a conglomerate measure derived from spatiotemporal parameters, and was developed to improve objective quantification of gait variability. Previous publications demonstrate validity for use in both pediatric and adult populations. New papers using the GVI are currently in press, and its clinical utility is expected to increase in the near future.

ProtoKinetics' new education division.

ProtoKinetics promotes their products based on exceptional quality, support and services.

putations (MFC), center of mass estimated (COMe), PKMAS Primary Gait Screen (PGS) and the Gait Variability Index (GVI).

SoP illustrates the relationship between single- and double-leg support. A graphical display of typical SoP performance looks like an hourglass, while pathological gaits present asymmetric patterns. These elegant graphical displays and quantitative metrics offer tremendous insight into the complexity of walking.

The MFC offers a visual and quantitative measurement of stance phase performance. Consistent, stable gait should exhibit overlapping smooth curves, whereas instability or variable gait look quite different.

Control of the center of mass is fundamental to proper walking and balance; when compromised, this may lead to falls and decreased mobility. Gait lab equipment, such as high-speed cameras, reflective markers and force plates, are impractical for clinical use. PKMAS/Zeno, however, instantaneously calculates COMe, allowing clinicians to make more informed decisions by comparing data between sessions or even within a single session.

"Postural control, dynamic balance, and transitional gait performance are critical components to quantify in clinical practhe Gait and Balance Academy (GaBA; gaitandbalanceacademy.com), is a web portal that offers clear and objective information about gait and balance. Gouelle, GaBA's executive director, is facilitating the brainstorming and collaboration with internationally recognized experts to offer access to classical educational resources and new innovative content. These materials, including pictures, presentations and videos, are based on validated scientific protocols and are updated regularly.

"Validation and verification are vitally important steps in our development and production processes," stressed Rowling.
"ZenoMetrics uses quality manufacturing practices, including ISO 13485, FDA compliant processes, and IEC 62304 standards for the software life cycle. Our products can be easily implemented to meet 21CFR11 compliancy."

"ProtoKinetics values our clients' time and money; we are extremely confident that our elegant, easy to-use, and cost-effective gait assessment solution, coupled with our best-in class support team, will continue to enable our customers to meet or exceed their goals," said Rowling.

Article sponsored by ProtoKinetics.

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ProtoKinetics' movement analysis systems incorporate pressure-sensing hardware with innovative, user-friendly software required for human performance research and clinical evaluations. The movement analysis system, consisting of the Zeno Walkway and PKMAS software, yields optimal footfall identification and an ample selection of output parameters for your nontraditional gait, turning, and standing studies.



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protokinetics.com

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2775 Arnold Ave. Suite A Salina, KS 67401 Phone: 785/826-2500 acustep.com

Advanced Motion Measurement

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ammsensor.com

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176 Waltham St. Watertown, MA 02472 Phone: 617/926-6700 amti.biz

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BTE

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Foot Foundation

32 Aspen Village Aspen, CO 81611 Phone: 970/948-6218 footfoundation.com

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Motion Lab Systems

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NeuroCom Balance Systems

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Phone: 480/443-3413

Novel Electronics

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Siliconcoach

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Spark Motion

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Sports Balance Technology

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Vicon

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COMPANY LISTINGS

A-Pear Biometric Replications

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Downsville, NY 13755 Phone: 415/952-7327

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ARANZ Medical

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Bergmann Orthotic Lab

1730 Holder Lane Northfield, IL 60093 Toll Free: 800/323-8267 **bergmannlab.com**

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CurveBeam

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Moore Medical

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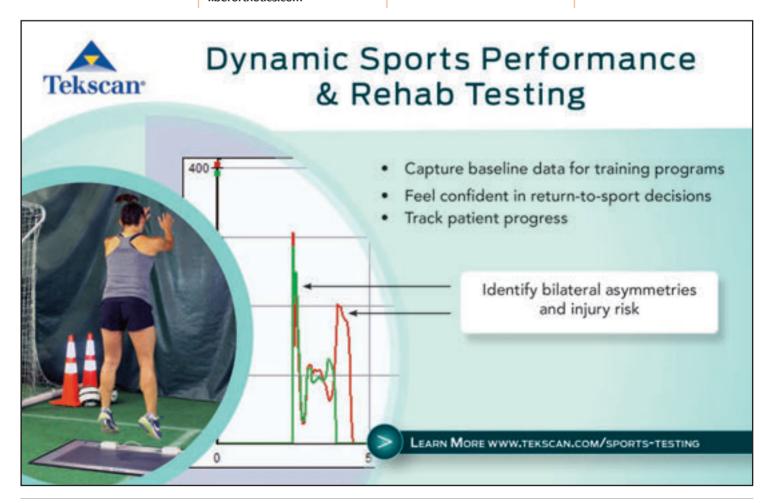
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Tekscan leaps to the future with a focus on tablet-based apps to improve mobility and enhance user experience BY LER STAFF

Tekscan, the Boston-based developer of tactile pressure measurement systems and software, is building on its user-friendly technology with a new focus on freeing its practitioner-users from their desks and laptops with seamless interfaces between mobile devices and the company's sensors and software.

"What's resonating with clinicians is mobility, and being able to use a single device for multiple tasks," said Peter Gantchev, Tekscan's medical product manager.

Tekscan is responding to this need by developing tablet applications for its In-Shoe and MobileMat Systems.

As part of this transition into the mobile domain, Tekscan will be making most of its new software available for the tablet. This starts with the launch of RetailPRO, a tablet-based retail application that's designed specifically for shoe, orthotic, insole and footwear accessory vendors. It will eventually be followed by the Clinical In-Shoe, another tablet-based system that will expand the market for InShoe measurement systems currently served by the company's F-Scan system.

These improvements are accompanied by other innovative developments in Tekscan's product line. In August 2016, it launched the SB Mat, a new platform product that features a wider active sensing area that is capable of accommodating actions like squats, lunges and other functional tests.

"We think this new platform will become an essential tool for athletic trainers and physical therapists to perform various assessments of their patients to evaluate the effectiveness of rehabilitation or strength and conditioning programs," Gantchev said.

In the near future, Tekscan also plans to roll out a new walkway system. This product is similar to the company's existing walkway that uses pressure measurement for gait analysis, but it will be much easier to use and transport. The new walkway's unique design and improved mobility, Gantchev notes, will make it a

"game-changer" for the company and the industry.

In its continued shift toward mobility, Tekscan will introduce several major updates in 2017. The company is looking to launch new protocol-driven SportsAT software that will allow users to fully leverage the SB Mat Platform. The software will recognize lunge tests, squat tests and other functional tests while automatically generating reports on subjects' performance.

Tekscan's F-Scan, an in-shoe pressure measurement and analysis system de-

process to ensure all customers expectations are completely met. Today, the team stands at over 100 employees strong.

Tekscan's patented tactile force and pressure sensing solutions provide customers with the actionable information they need to optimize product design and improve clinical and research outcomes. Its sensors and systems are used across a wide range of applications within test and measurement, medical, dental, and retail; as stand-alone solutions or as embedded technology to cre-

"What's resonating with clinicians is mobility, and being able to use a single device for multiple tasks."

Peter Gantchev, Tekscan's medical product manager

signed to capture timing and pressure information for foot function and gait analysis, will also receive attention this year. Simplification, Gantchev hopes, will boost F-Scan's presence in clinical offices.

"Toward the end of 2017, we're looking to redo our F-Scan product with a more clinically-focused system," Gantchev said. "This will make In-Shoe Measurement Systems more accessible to the clinical space by simplifying its overall usage. The new system will be easy to set up and will come equipped with tablet-based, protocol-driven software."

User experience remains top-of-mind as the company moves into the New Year. Tekscan's dedication to enhancing product mobility and ease of use will not only significantly influence its market penetration over the coming years, but it will also continue to foster interdependent customer relationships across the globe.

About Tekscan Inc.

Located in the Innovation District of Boston, Tekscan has been in business since 1987. During that time, the company has perfected its product, team and ate better and differentiated products.

Tekscan is and has always been committed to quality. Sensor design, manufacturing, and production happen at its company-owned ISO 9001 & 13485-certified facility. Its technical team is made up of electrical and mechanical engineers who consult directly with customers throughout each step of the sensor design process, from conception through production.

Continuous innovation drives Tekscan forward and concretizes its world-leading position in the area of tactile sensing. The company invests over 14% of revenues in R&D and Innovation, which is similar to Google and Microsoft, higher than the industry averages of Health & Medical (12%) and Computer & Electronics (8.8%), and much higher than the average U.S. company (under 5%).

Tekscan's passion for innovation, broad expertise and commitment to quality help turn your vision into reality.

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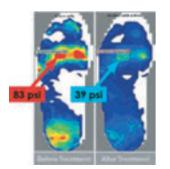
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Tekscan's F-Scan system gives you a view from inside the shoe, providing valuable information on the relationship between the foot and footwear. Pressure distribution data are captured throughout the gait cycle to help you find the root cause of foot and gait dysfunctions and objectively evaluate treatment effectiveness.



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COMPANY LISTINGS

Advantage Lab

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Amfit

3611 NE 68th St. Vancouver, WA 98661 Phone: 360/573-9100 amfit.com

Bergmann Orthotic Lab

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Biosculptor

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AAOP

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oandp.org

AAOS

American Academy of Orthopaedic Surgeons 6300 N. River Road Rosemont, IL 60018 Phone: 847/823-7186

aaos.org

AAPM&R

American Academy of Physical Medicine & Rehabilitation 9700 West Bryn Mawr Ave., #200 Rosemont, IL 60018 Phone: 847/737-6000

aapmr.org

ABC

American Board for Certification in Orthotics, Prosthetics and Pedorthics 330 John Carlyle St., #210 Alexandria, VA 22314 Phone: 703/836-7114

abcop.org

ACFAOM

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acfaom.org

ACFAS

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acfas.org

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acpoc.org

ACR

American College of Rheumatology 2200 Lake Blvd. NE Atlanta, GA 30319 Phone: 404/633-3777 rheumatology.org

ACSM

American College of Sports Medicine 401 W. Michigan St. Indianapolis, IN 46202 Phone: 317/637-9200

acsm.org

ADA

American Diabetes Association 1701 N. Beauregard St. Alexandria, VA 22311 Toll Free: 800/DIABETES (342-2383) diabetes.org

AMSSM

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AOFAS

American Orthopaedic Foot & Ankle Society 6300 N. River Road, #510 Rosemont, IL 60018 Toll Free: 800/235-4855 aofas.org

AOPA

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AOSSM

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APMA

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APTA

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ASOP

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CMTA

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CPMA

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ISAKOS

International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine 2410 Camino Ramon, #215 San Ramon, CA 94583 Phone: 925/807-1197

isakos.com

NAOT

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National Athletic Trainers' Association

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nsra.org

OARSI

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PAC

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PFOLA

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Phone:800/460-0288 5280prosthetics.com



A-Pear Biometric Replications

Phone:415/952-7327 a-pear.net

AADE

American Association of **Diabetes Educators** Phone:800/338-3633 diabeteseducator.org

AAOP

American Academy of Orthotists and Prosthetists Phone: 202/380-3663 oandp.org

AAOS

American Academy of Orthopaedic Surgeons Phone:847/823-7186 aaos.org

AAPM&R

American Academy of Physical Medicine & Rehabilitation Phone:847/737-6000 aapmr.org

ABC

American Board for Certification in Orthotics. Prosthetics and Pedorthics Phone:703/836-7114 abcop.org

Ability Dynamics

Phone:855/450-7300 abilitydynamics.com

ACFAOM

American College of Foot & Ankle Orthopedics & Medicine Phone:301/718-6505 acfaom.org

ACFAS

American College of Foot & Ankle Surgeons Phone:800/421-2237 acfas.org

ACI Medical

Phone: 760/744-4400 artassist.com

See ad on p. 35. company profile on p. 32

Acor Orthopaedic

Phone:800/237-2267 acor.com

ACR

American College of Rheumatology Phone: 404/633-3777 rheumatology.org

ACSM

American College of Sports Medicine Phone:317/637-9200 acsm.org

Acsys Orthopedic

Phone:760/598-8191 acsysortho.com

Active Ankle Systems

Phone: 800/800-2896 activeankle.com

AcuStep

Phone: 785/826-2500 acustep.com

ADA

American Diabetes Association Phone:800/DIABETES diabetes.org

Advanced Casting Technology

Phone:866/999-4338 advcasting.com

Advanced Motion Measurement

Phone:602/263-8657 ammsensor.com

Advanced 0&P Solutions

Phone:866/914-2677 aopsolutions.com

Advanced Orthopaedics

Phone: 215/256-9000 advanced-orthopaedics.com

Advanced Tissue

Phone:866/217-9900 advtis.com

Advantage Lab

Phone:866/548-3668 advantagelab.org

Advantage Orthotics Lab

Phone:800/374-2021

Aetna Felt

Phone:800/390-3668 aetnafootproducts.com

Aetrex Worldwide

Phone:800/252-2739 aetrex.com

AFX Ankle Foot maXimizer

Phone:604/644-9971 afx-online.com

AGS Footwear Group

Phone:800/446-3820 agsfootweargroup.com

Aircast

Phone:800/336-6569 dioglobal.com

Akaishi

Phone:310/538-5522 akaishiusa.com

Alatheia Prosthetics

Phone:601/919-2112 alatheia.com

Alcis Health

Phone: 408/437-1060 alcis.com

Algeos USA

Phone:800/496-0987 algeos.us

Alice Alan

Phone:626/202-3830 alicealan.com

Alianmed

Phone:800/916-2544 alignmed.com

AliMed

Phone:800/225-2610 alimed.com

Aline Systems

Phone:800/736-9005 aline.com

See ad on p. 30, 85

Allard USA

Phone:888/678-6548 allardusa.com

Allied OSI Labs

Phone:800/444-3632

alliedosilabs.com

Allied Plastics Supply Phone:888/838-2287

alliedoandpsupply.com

Allsport Dynamics Phone:936-569-1003 allsportdynamics.com

Alltech O&P Services

Phone:817/484-9699 alltechop.com

Alpha Medical Brace

Phone:866/547-3897 alphamedicalproducts.com

Alpha Orthotics

Phone: 415/389-8980 alphaorthotics.com

Alps

Phone:800/574-5426 easyliner.com

Alterna

Phone:973/946-7551 alternallc.com

Ambra Le Roy Medical Products

Phone:866/203-4760 ambralerov.com

American Anatomical

Phone:319/723-4545 americananatomical com

American Plastics. A Division of Curbell Plastics

Phone:800/772-7401 americanoandp.com

Amerx Health Care (Amerigel)

Phone:800/448-9599 amerxhc.com

See ad on p. 110

Amfit

Phone:360/573-9100 amfit.com

Amniox Medical

Phone:888/709-2140 amnioxmedical.com

AMSSM

American Medical Society for Sports Medicine Phone:913/327-1491 amssm.org

AMTI

Phone:617/926-6700 amti.biz

Anastasia Marie

Laboratories Phone: 405/840-0123 amlab.com

See ad on p. 17, 100

■ Anatomical Concepts Phone:800/837-3888 anatomicalconceptsinc.com

See ad on p. 4,5 company profile on p. 46

Anodyne 844/637-4637

anodyneshoes.com See ad on p. 4, 5

Anodyne Therapy Phone:800/521-6664 anodynetherapy.com

AOFAS

American Orthopaedic Foot & Ankle Society Phone:800/235-4855 aofas.org

AOPA

American Orthotic & Prosthetic Association Phone:571/431-0876 aopanet.org

AOSSM

American Orthopaedic Society for Sports Medicine Phone:847/292-4900 sportsmed.org

Apex

800/526-2739 apexfoot.com

See ad on p. 62

Apis Footwear

Phone:626/448-8905 anisfootwear.com

APMA

American Podiatric Medical Association Phone:301/581-9200 apma.org

APTA

American Physical Therapy Association Phone:800/999-2782 apta.org

AquaJogger

Phone:541/484-2454 aquajogger.com

Aqualeg

Phone:855/955-2782 agualeg.com

Agua-ShieldUSA/ **Orthomed Products**

Phone:800/338-8512 aguashieldusa.com

Aquatic Access

Phone:502/425-5817 aguaticaccess.com

Aranz Medical

Phone: +64-3-374-6120 aranzmedical.com

Aravon Comfort **Performance Footwear**

Phone:866/627-2866 aravonshoes.com

Archmolds/Powerstep Phone:888/237-3668

powerstep.com Arcopedico

Phone:800/536-5938 arcopedicousa.com Areni One by Pilgrim

Shoe Factory

Phone:888/493-2859 arenioneshoes.com

Ari-Med Pharmaceuticals (Flexall) Phone:800/527-4923

ari-med com See ad on back cover,

company profile on p. 14
■ Arizona AFO Phone:877/780-8382 arizonaafo.com

Armor Sports Holdings Phone: 480/513-1049

airarmor.com

Arobella Medical

Phone:952/345-6840 arobella.com

ARTech Laboratory

Phone:888/775-5501 artechlab-prosthetics.com

Arthur Finnieston **Prosthetics**

Phone:305/233-9195 extremeprosthetics.com

ASOP

American Society of Orthopedic Professionals Phone:727/394-1700 asop.org

Atlantic Footcare

Phone: 401/568-4918 prothotics.com

Atlas International

Phone:800/545-6287 atlasortho.com

Aulie Prosthetic

Devices Phone:541/548-7355

auliedevices.com

Autodesk Footwear Phone:877/335-2261 autodesk.com/footwear



Baiwa

Phone:903/425-0116 baiwa.com

See ad on p. 74

Baker College of Flint Phone: 810/766-4359 baker.edu

See ad on p. 8

■ BAKO Integrated Physician Solutions Phone:877/376-7284 bakocts.com

■ Battle Creek Equipment Phone: 269/962-6181

battlecreekequipment.com

Alphabetical Company Listings

See ad on n 86 company profile on p. 12

Bauerfeind USA

Phone:800/423-3405 bauerfeindusa.com

Becker Orthopedic Phone: 800/521-2192

beckerorthopedic.com Beiersdorf/Futuro

Phone:203/563-5882 futurous.com

Bergmann Orthotic Lab Phone:800/323-8267

bergmannlab.com

Best Fit Ortho Labs Phone:323/850-0578 bestfitortho.com

■ BetterBraces.com Phone: 760/579-0214 betterbraces.com

Betterform

Phone:800/955-F00T (3668)betterforminc.com

■ Bilt-Rite/Mastex Health

Phone:215/785-6980 biltriteinc.com

Bintz

Phone:800/235-8458 bintzco.com

■ Bio Compression Systems

Phone:201/939-0716 biocompression.com

■ Bio Orthotics International

Phone:972/422-6388 bioorthotics.com

■ Bio Skin/ Cropper Medical

Phone:800/541-2455 hioskin.com

■ biO2 Cosmeceuticals

Phone:916/721-4667 oxymist.com

Biocorrect Orthotics Lab

Phone:800/840-1487 biocorrect.com

biodesigns

Phone:800/775-2870 biodesigns.com

■ Bioflex Medical Magnetics

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Phone:954/565-8500 bioflexmagnets.com

Rinfreeze/ **Performance Health** Phone:800/246-3733 hiofreeze com

Biomechanical Services

Phone:800/942-2272 biomechanical.com

BioMedix

Phone:877/854-0012 biomedix.com

■ Biomet Bracing Phone:973/299-9300 biomet.com

Bioness

Phone:800/211-9136 bioness.com

BionX Medical **Technologies**

Phone:800/989-9998 bionxmed.com

■ Bioped Franchising Phone:866/424-6733 bioped.com

■ BioQuest Prosthetics

Phone:661/325-3338 bioquestpros.com

■ Biosculptor

Phone: 305/556-5815 biosculptor.com

Biowave

Phone:877/BIOWAVE (246 - 9283)biowave.com

■ Bird & Cronin

Phone:800/328-1095 birdcronin.com

■ Birkenstock USA

Phone:800/949-7301 birkenstockusa.com

■ Bledsoe Brace Systems

Phone:888/253-3763 bledsoebrace.com

■ BMI International

Phone:877/603-3737 orthobmi.com

BOC

Board of Certification Phone:877/776-2200 bocusa.org

BodhiFab

Phone:954/762-3152 bodhifab.com

Bodvalide

Phone:888/263-9454 bodyglide.com

Boll Medical

Phone:800/287-2944 bollmedical.com

Bolt Systems

Phone:800/425-0012 boltsystems.com

BordaMed

Phone:757/272-2824 bordamed.com

Bort-Swiss Orthopedic Supply

Phone:864/231-9144 bort-swissortho.com

■ Boston Brace International

Phone:800/262-2235 bostonbrace.com

Bracemasters International

Phone:888/790-6880 bracemasters.com

■ BRD Sport

Phone:732/238-5479 brdsport.com

Breg

Phone:800/897-BREG (2734)breg.com

■ Brooks Sports

Phone:800/227-6657 brooksrunning.com

Brownmed

Phone:816/581-7001 brownmed.com

Bruder Healthcare

Phone:888/827-8337 bruder.com

BSN-Jobst

Phone:800/537-1063 iobst-usa.com

BTE

Phone:800/331-8845 btetech.com

Buffalo Brace

Phone:800/435-0065 buffalobrace.net

Bunion Bootie

Phone:877/208-4540 bunionbootie.com

Burns International

Phone:800/262-8767 burnslab.com

Burten Distribution

Phone:323/221-7300 burtendistribution.com



Cadence Insoles Phone:805/458-0567 cadenceinsoles.com

Cajun Sports Cream Phone:877/441-9555

California Orthopaedic Lab Signal Hill, CA 90755 Phone:562/985-9924

■ Carbon Express

Phone: 813/948-9406 mycarbonexpress.com

Carpal Therapy

Phone:317/313-0680

See ad on p. 93

Phone:800/848-7332 cascadedafo.com

Cascade **Orthopedic Supply** Phone:800/888-0865

cascade-usa.com

Phone:888/422-7882 castcooler.com

CastCoverz!

Phone:800/CASTCOVER (227 - 8268)

Orthotics Design Phone:800/346-4746

Certified Orthopedics

Phone:970/482-7116 certifiedortho.com

chinagel.com

■ Chung Shi North America

Phone:704/991-2285 chung-shi-shop.com

Phone:888/482-2362 gaitrite.com

Phone:800/247-2243 circaid.com

Cluffy Institute

CMTA

Charcot-Marie Tooth Association Phone:800/606-2682 cmtausa.org

COL International

Phone:877/265-2248 canadianorthotics.com

College Park Industries Phone:800/728-7950 college-park.com

Comfort Products

Phone:800/822-7500 comfortoandp.com

Comfort Rite Footwear

Phone:800/898-5556 comfortrite.com

See ad on p. 18

ComfortFit **Orthotic Labs**

Phone:888/523-1600 comfortfitlabs.com

Coppi Therapeutic Footwear

Phone:561/577-1240 coppimft.com

Core Products International Phone:715/294-2050 coreproducts.com

Corflex Phone:800/426-7353 corflex.com

Corganics

Phone:866/939-9541 reliefcream.com

CosySoles

Phone:905/878-4093 cosysoles.com

Cox Orthotics

Phone:877/270-8015 coxorthotics.com

Coyote Design

Phone:800/819-5980 covotedesign.com

■ CPMA

California Podiatric Medical Association Phone:916/448-0248 calpma.org

Cramer Products

Phone:800/345-2231 cramersportsmed.com

■ Creative Orthotic Lab Phone:800/279-2724 creativeorthotic.com

■ CrocsRx

Phone:877/238-4404 crocsrx.com

CuraMedix

Phone:877/699-8399 curamedix.com

CurveBeam

Phone:866/400-0035 curvebeam.com

See ad on p. 22

cc-mfg.com

Custom Composite Manufacturing Phone:866/273-2230

Custom Fit Foot

Orthotics Phone:877/346-1024

cfforthotics.com

Custom Foot Inserts Phone:631/567-1515

CyberKinetics

Phone:360/692-2500 cyberkinetics.us.com

Cvbertech Medical

Phone:800/220-4224 cvbertechmedical.com



Dalco International

Phone:888/354-5515 dalcointernational.com

Darco International

Phone:800/999-8866 darcointernational.com

DavMar

Phone:855/284-3544 davmarshoes.com

DAW Industries Phone:800/252-2828 daw-usa.com

Phone:888/495-7440 discdiseasesolutions.com

Dermal Therapy Research Phone:800/668-8000

dermaltherapy.com

DeRoval Phone:800/251-9864 deroval.com

Dia-Foot

dfcon.com

Phone:877/405-3668 dia-foot.com

Diabetic Foot **Global Conference** Phone:337/235-6606

LERresourceguide.com

cajunsportscream.com

sastm.com

Cascade Dafo

CastCooler

castcoverz.com Center for

centerfororthoticsdesign.com

China-Gel Phone:800/898-4435

CIR Systems/GAITRite

■ CircAid

Phone:888/761-3668 cluffy.com

■ Diabetic Limb Salvage Phone:337/235-6606 dlsconference.com

Diabetic Solutions Phone:877/686-3600

■ Digital Support Systems Phone:757/497-3668

digi-gait.com

DJO Global

Phone:800/336-6569 djoglobal.com

DM Systems

Phone:800/254-5438 dmsystems.com

Doctor Specified

Phone:888/350-0001 doctorspecified.com

DOLA Orthotics Lab

Phone:800/350-0720 dolaorthotics.com

Dome Industries

Phone:800/432-4352 domeproducts.com

■ Dr. Brooks Innovations

Phone:866/576-7034 drbrooks.com

See ad on p. 2,3

Dr. Comfort

Phone:800/556-5572 drcomfort.com

Dr. Jill's Foot Pads

Phone:866/366-8723 drjillsfootpads.com

Dr. Sam's **Diabetic Shoes**

Phone:877/379-3674 drsamsshoes.com

Dr. Swaim's **Natural Skin Care**

Phone:530/527-7584 drswaims.com

Dr. Todd's **Foot Care Products**

Phone:877/758-3338 drtodds.com

Dr. Zen

Phone:800/682-8367 drzen.com

Drew Shoe

Phone:800/837-3739 drewshoe.com

Dry Corp

Phone:910/791-0009 drycorp.com

Dycor

Phone:281/403-0117 dycormfg.com

Dynasplint Systems

Phone:800/638-6771 dvnasplint.com

See ad on p. 55

Earthwalk Orthotics

Phone:330/837-6569 earthwalkorthotics.com

Eastern Podiatry Lab Phone:800/327-8763

Edser Orthotic Labs

Phone: 786/206-6117 edserlabs.com

Ektio

Phone:800/895-1814 ektio.com

■ Elite Orthopaedics

Phone:800/284-1688 elite-ortho.com

■ Elite Seat

Phone:866/756-3706 eliteseat.com

Empi

Phone: 800/328-2536 empi.com

Emsold Footcare USA

Phone:717/951-0276 emsoldfootcareusa.com

Endolite

Phone:800/548-3534 endolite.com

■ Engineered Silicone Products (ESP)

Phone:888/932-7377 wearesp.com

Eppointments

Phone:281/218-6286 eppointments.com

Ergo Research

Phone: 450/973-6700 ergoresearch.com

Eschen Prosthetic and

Orthotic Laboratories Phone:212/606-1262 eschenpo.com

eSoles **Custom Footbeds**

Phone:480/222-7333 esoles.com

Eurosocks

Compresssion Socks Phone:520/584-8001 eurosock.com

Evenup

Phone:800/334-1906 evenupcorp.com

Ever-Flex

Phone:734/947-2060 ever-flex.com

Ever-Safe

Phone:877/721-5227 ever-safe-products.com

Evolution Industries Phone:888/839-6213 evoii.com

eWellness

Phone:800/872-3633 ewellness.com

Exact Metrology

Phone:513/831-6620 exactmetrology.com

Excel

Biomechanics Lab Phone:604/323-9922 excelbiomechanicslab.com

Exerstrider Products

Phone:608/223-9321 exerstrider.com



■ Fabrifoam Products

Phone:800/577-1077 fabrifoam.com

Faretec

Phone:800/322-3273 faretec.com

Farrow Medical Innovations

Phone:877/417-5187 farrowmedical.com

Fastech Pedorthic Services

Phone:800/351-3668 fastechlabs.net

Ferrier-Coupler

Phone:810/688-4292 ferrier.coupler.com

See ad on p. 78

Ferris Mfg. Corp. Phone:800/765-9636 polymem.com

Fiber Foot Appliances

Phone:800/451-1719 fiberorthotics.com

Fillauer

Phone:423/624-0946 fillauer.com

Finn Comfort **Kanner Corporation**

Phone:800/361-3466 finncomfort.com

Firstcare **Orthopaedics**

Phone:540/341-7758 firstcareortho.com

Fix Feet First

Phone:905/334-1811 fixfeetfirst.com

■ FLA Orthopedics

Phone:800/327-4110 flaorthopedics.com

FLO-TECH

0&P Systems Phone:800/FLO-TECH (356-8324)1800flo-tech.com

Foot Control & Support Systems

Phone: 855/652-7081 wyfield.com

Foot Dynamics

Phone:770/582-1122 footdynamicsatl.com

Foot Dynamics

Phone:888/477-0282 footdynamics.com

Foot Fitness

Phone:520/327-3166 wedofeet.com

Foot Foundation Phone:970/948-6218

footfoundation.com

Foot Function Lab

Phone:800/785-F00T (3668)orthotics.net

Foot Levelers

Phone:800/553-4860 footlevelers.com

Footbon

Phone:888/678-0682 footbon.com

Footcare Express

Phone:877/687-3338 footcarexpress.com

Footech

Phone: 506/854-7339 footech.ca

Footguru

Phone:415/464-9577 footguru.com

Foothelpers Lab

Phone:212/420-7475 foothelpers.com

See ad on p. 54

Footmaxx Phone:800/779-3668 footmaxx.com

footscan USA

Phone:850/460-2200 footscanusa.com

FootStride Technology

Phone: 425/486-6934 footstride.com

Frankford Leather

Phone:800/245-5555 frankfordleather.com

Freedom Fabrication

Phone:850/539-4194 freedomfabrication.com

Freedom Innovations

Phone:888/818-6777 freedom-innovations.com

Freeman Manufacturing

Phone:269/651-2371 freemanmfg.com



See ad on p. 72

G&W Heel Lift Phone:800/235-4387

gwheellift.com

Gadean Footwear Phone:08-9208-1000 gadeanfootwear.com

See ad on p. 120

■ GaitRite

Phone:888/482-2362 gaitrite.com

Gehring Textiles

(Militex Division) Phone:516/747-4555

gehringtextiles.com ■ Gehwol Foot Care

Phone:203/541-8940 gehwol-usa.com

■ General Orthopedic Phone:518/869-0021

Gersh Day Splint Phone:877/329-7754 gershdaysplint.com

■ Giesswein/

M. Leonard International Phone:207/344-6656 wooliscool.com

Goodhew/Sockwell

Phone: 423/643-0821 sockwell.us.com

Grace **Prosthetic Fabrication**

Phone:727/842-2265 apfinc.com

Graston Technique

Phone:888/926-2727 grastontechnique.com

Gravity Defyer

Phone:800/429-0039 gravitydefyer.com

Griswold Corporation

Phone:800/472-8788 ariswoldcorp.com

■ Guard Industries

Phone:800/535-3508 quardmfq.com

Gurnick Podiatry Supply

Phone:888/854-5526 gurnickpodiatrysupply.com



Haflinger

Phone: 212/949-6767 haflinger-usa.com

Halco USA

Phone:877/532-1561 halcohookloop.com

Hames Ortho Tech

Phone:855/899-3332 hamesorthotech.com

Handler Manufacturing Phone:800/274-2635

handlermfg.com

See ad on p. 75

■ Hapad Phone:800/544-2723 hapad.com

Hatchbacks Phone:800/936-0511 hatchbacksfootwear.com

Hatfield Strap

Phone:904/625-2416 hatfieldstrap.com

Hausmann Industries

Phone: 201/767-0255 hausmann.com

Health Enterprises Phone:800/633-4243 healthenterprises.com

Healthy Feet Store Phone:866/324-3338 healthyfeetstore.com

Hely & Weber

Phone:800/654-3241 hely-weber.com

Alphabetical Company Listings

Hersco Ortho Labs Phone:800/301-8275 hersco.com

Hickory Brands Phone:828/322-2600 tenseconds.com

Home Heart Beats Phone:888/612-1696 afoassist.com

Hosmer Dorrance Phone:800/827-0070 hosmer.com

Hydro-Tone Fitness Systems Phone:714/998-9595 hvdrotone.com



I-Runner

Diabetic Shoes Phone:866/LOW-LIMB (569-5462)facebook.com/i.runnershoes

Ice It USA Phone:781/727-5501 iceitusa.net

Icv Feet Phone:877/938-8805 icyfeet.com

In the Groove Phone:517/781-6030 inthegroovebrace.com

Inbalance Orthotics Phone:800/301-5835 inorthotics.com

■ Incedo Orthopedics Phone:855/246-2336 optogait.net

Independent Brace Phone:888/858-4558 independentbrace.com

Infracare Phone: 416/305 6592 infracare.ca

■ ING Source

Phone:828/855-0481 ingsource.com

Injinji Performance Toesocks

Phone:858/270-3811 injinji.com

Innovative Neurotronics Phone:512/721-1900 walkaide.com

Innovision Systems Phone:810/793-5530 innovision-systems.com See ad on n 28

Insightful Products Phone: 207/885-0414 insightfulproducts.com

Insole Innovations Phone:800/603-7099

Institute for Preventive **Foot Health**

Phone:877/777-4734 ipfh.ora

InStride Phone:866/969-3338 instrideshoes.com

Integrated Orthotic Lab Phone:866/582-4640 io-lab.com

See ad on p. 29 Integrity Orthotics

Phone:866/678-4652 integrityortho.com

Invel USA Phone:305/772-8868 invel-usa.com

ISAKOS International Society of Arthroscopy, Knee Surgery, and Orthopaedic Sports Medicine

Phone:925/807-1197 isakos.com isurply

Phone:516/596-8806 isurply.com

Jerry Miller Shoes Phone:800/435-0065 jerrymillershoes.com

JM Orthotics Phone:800/804-3910

imorthotics.com See ad on p. 98

JMMR Phone:800/236-5166 blountsdisease.net

See ad on p. 36 JMS Plastics Supply Phone: 800/342-2602

imsplastics.com

Join USA Phone:800/589-6010 ioinusa.net

Joint Active Systems Phone:800/879-0017 jointactivesystems.com

See ad on p. 10 JSB Orthotics

Phone:941/473-0620 isbinc.com

See ad on n 39

Justin Blair & Company Phone:800/566-0664 iustinblairco.com

Juzo Phone:800/222-4999 iuzousa.com

Kano Labs Phone: 208/254-0019 kano-labs.com

See ad on p. 92 company profile on p. 99 KeepingPace

Children's Orthopedic Footwear Phone:978/526-0020 keepingpace.com

Kevin Orthotics Phone:877/767-3338 kevinrx.com

Kinesio USA Phone:505/856-2029 kinesiotaping.com

See ad on p. 24 Kinetic Research

Phone:813/962-6300 kineticresearch.com

Kingsley Manufacturing Phone:800/854-3479 kingsleymfg.com

Kiss Technologies Phone: 410/663-5477 kiss-suspension.com

KLM Orthotic Labs Phone:800/556-3668 klmlabs.com

Klogs Phone:888/388-5564 klogs.com

■ Knit-Rite Phone:800/821-3094 knitrite.com

.com

La Pointique Int'I/ Oppo Medical Phone:800/979-1932 lpsupport.com/oppomedical

Langer Biomechanics Phone:800/645-5520 langerbiomechanics.com

Leedergroup.com Phone: 305/436-5030 Levelast

Phone:760/585-9555 levelast.com

See ad on p. 118. company profile on p. 40

Levy & Rappel Phone:800/564-5389 levyandrappel.com

Liberating Technologies Phone: 508/893-6363 liberatingtechnologies.com

Life-Like Laboratory Phone:972/620-0203 lifelikelab.com

■ littleSTEPS/Nolaro24 Phone:877/792-4669 littlestepsfootorthotics.com

LL Custom Phone:877/708-0762 Ilcustom.ca

Lord Custom Molded Shoes Phone:800/746-3711

lordshoes.com Lower Extremity

Technology Phone:888/928-9322 fc2ankle.com

See ad on p. 25, 102 Lower Limb Technology

Phone:800/253-7868 spinaltech.com



M-F Athletic Phone:800/556-7464 performbetter.com

M-Tech Lab Phone:888/484-9445 mtechlab.com

See ad on p. 101

M.J. Markell Shoe Phone:914/963-2258 markellshoe.com

Mach 1 Medical Phone:877/462-2416

Mad Dogg Athletics Phone:310/740-7008 maddogg.com

Maramed Orthopedic Systems Phone:305/823-8300 maramed.com

Marathon Orthotics Phone:866/402-3668 marathonortho.com

Mark Fugit Orthotic Laboratory

Glendale, AZ 85308 Phone:800/888-3759

Matplus Phone:877/628-7587 matplusinc.com

Matrix Phone:949/394-0374 matrixbracing.com

■ Matrix Medical Phone:877/853-5518 matrixmedkc.com

MaxiBrace **OrthopedicSupports** Phone:516/484-0055 maxibrace.com

McCarty's Sacro Ease Phone: 208/765-8408 mccartys.com

McDavid Sports Medical Products Phone:800/237-8254 mcdavidusa.com

See ad on p. 97 company profile on p. 94

■ MD Orthopaedics Phone:877/766-7384 mdorthopaedics.com

See ad on p. 21 Med Spec

Phone:800/582-4040 medspec.com

See ad on p. 69 company profile on p. 99

medi USA Phone:800/633-6334 mediusa.com

■ Medi-Dyne Phone:817/251-8660 medi-dyne.com

■ Medi-Dvne **Healthcare Products** Phone:817/251-8660 medi-dyne.com

Medical Resources I imited Phone:800/998-4199 medicalresourceslimited.com

Medical Sports Phone:800/783-2240 countrforce.com

MediCordz by NZ Manufacturing Phone:330/634-0271 nzmfg.com

Medispec

Phone:888/663-3477 medispec.com

MegaComfort Phone:877/634-2266 megacomfort.com

Mephisto Phone:615/771-5900 mephisto.com

Merrithew **Health & Fitness** Phone: 416/482-4050 merrithew.com

Mettler Electronics Phone:714/533-2221 mettlerelectronics.com

Micromedical **Technologies** Phone:800/334-4154 micromedical.com

■ Midwest Podiatry Conference Phone:312/427-5810

midwestpodconf.org MIH International Phone:866/374-4050

m-brace.com ■ Mile High Orthotics Lab

Phone:866/710-4880 mholabs.com

Milsport Medical Products Phone:877/341-6494

milsportmedical.com

MMar Medical Phone:800/662-7633 mmarmedical.com

Mobility Research Phone: 480/829-1727 litegait.com

ModulaRx Orthotics Phone:888/853-3388 mxxpress.com

Molnlycke Health Care US Phone:800/882-4582

molnlycke.com/us Moore Medical

Phone:800/234-1464 mooremedical.com

Motion Analysis Phone:707/579-6500 motionanalysis.com

Motion Lab Systems Phone:225/272-7364 motion-labs.com

See ad on p. 25

Motion Unlimited Phone:763/316-6472 motion-unlimited.com

MSCO

Phone:914/251-1500 msco.com

Mueller Sports Medicine

Phone:800/356-9522 muellersportsmed.com

MVI Footcare **Med-Vet International** Phone:800/544-7521

shopmedvet.com

My Recovers

Phone:877/896-9415 myrecovers.com



NAOT

National Association of Orthopaedic Technologists Phone:317/205-9484 naot.org

■ NATA

National Athletic Trainers' Association Phone:214/637-6282 nata.org

National Pedorthic Services

Phone:414/438-1216 npsfoot.com

Natural Step Shoes Phone:800/792-0640

naturalstepshoes.com

NeuroCom Balance Systems Natus Medical Phone:800/767-6744

balanceandmobility.com

Neurotech

Phone:651/454-8874 neurotech.us

New Options Sports

Phone:800/872-5488 newoptionssports.com

See ad on p. 43, 61, company profile on p. 59

New Step

Phone:618/288-9297 newsteporthotics.com

NewGen Advanced **Orthotic Lab**

Phone:888/756-0257 newgenorthotics.com

Next Step Footcare

Phone:713/838-0011 onlineinsoles.com

See ad on p. 20

New York OMC Phone: 718/618-7292 newyorkomc.com

■ Niagara Brace A Tru-Mold ShoesCompany

Phone:800/843-6653 niagarabrace.com

NIMS

Phone:305/575-4200 nims-inc.com

Noraxon USA

Phone: 480/443-3413 noraxon.com

North Coast Medical

Phone:800/821-9319 ncmedical.com

North Star Podiatric Lab

Phone:800/842-2171 northstarlab.com

Northwest Podiatric Laboratory

Phone:800/675-1766 nwpodiatric.com

Novel Electronics

Phone:651/221-0505 novelusa.com

NSRA-National Shoe **Retailers Association**

Phone:800/673-8446 nsra.org



0 & R Shoe

Phone:347/492-7414

OARSI-Osteoarthritis **Research Society** International

Phone:856/642-4215 oarsi.org

Oasis Footwear

Phone:888/676-2747 oasisfeet.com

See ad on p. 95

On His Path

Phone:877/766-7384 onhispath.com

Ongoing Care Solutions

Phone:800/375-0207 ongoingcare.com

OPED

Phone:877/673-3426 opedusa.com

Optec

Phone:888/982-8181 optecusa.com

■ OPTP

Phone:800/367-7393 optp.com

Orcom Labs

Phone:800/262-1595 orcomlabs.com

Orfit Industries America Phone:516/935-8500

Orpyx Medical Technologies Phone: 403/709-0129

orfit.com

orpvx.com

Ortho Innovations

Phone:507/536-6107 orthoinnovations.com

Ortho-Craft

Phone:800/436-7846 ocinh.com

Ortho-Dynamics Orthotic Labs

Phone:800/275-1842 orthodynamics.com

See ad on inside back cover

Ortho-Rite

Phone:800/473-6682 ortho-rite.com

Orthofeet

Phone:800/524-2845 orthofeet.com

See ad on p. 65

company profile on p. 64
■ Orthomerica Phone: 800/446-6770 orthomerica.com

Orthopedic **Pharmaceuticals**

Phone:866/254-0932 orthogel.com

OrthoRx

Phone:888/806-2526

ontrackbrace.com

Orthotic Rehab **Products**

Phone:813/620-0035 orpweb.com

Orthotic Sandal

Phone:877/672-6325 orthoticsandal.com

Orthozone

844/656-5500 orthozone.com

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Phone:567/259-3038 oretek.com

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Phone:800/233-6263 ossur.com

OTS

Phone:800/221-4769 ots-corp.com

Ottobock

Phone:800/328-4058 ottobockus.com

Ovation Medical

Phone:800/403-6466 ovationmed.com



P&K Orthotics Lab

Phone:800/798-3598 pkorthotics.com

P.W. Minor

Phone:800/828-8157 pwminor.com

■ PAC-Pedorthic Association of Canada

Phone:888/268-4404 pedorthic.ca

Paceline

Phone: 704/290-5006 paceline.com

PAL Health **Technologies**

Phone:800/223-2957 palhealth.com

Pall Medical

Phone:773/539-9882 pall.com

Palumbo Orthopaedics

Phone:954/925-5806 palumbobraces.com

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Ped Lite

Phone:219/756-0901 pedlite.com

■ PedAlign

Phone:866/733-2544 pedalign.com

Pedi Foot

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Pedi-Care Orthopedic

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Performance Orthotics

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■ PerformTex

Kinesiology Tape Phone:505/400-9440 performtex.com

■ PFA-Pedorthic **Footcare Association**

Phone: 202/367-1145 pedorthics.org

■ PFOLA

Prescription Foot Orthotic Laboratory Association International Association Office Phone:800/347-6585 pfola.org

pfs med

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■ Polar Products Phone:800/763-8423 polarproducts.com

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Precision Orthotic Lab Phone:856/848-6226

precisionorthotic.com

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Pressure Positive

Phone:800/603-5107 pressurepositive.com

Primal Pictures

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Prizm Medical

Phone:770/622-0933 legandfootpain.com

Pro Custom Labs

Phone:360/316-9463 procustomlabs.com

Pro Orthopedic Devices

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■ Pro-Tec Athletics

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Pro-Tech Orthopedics

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Phone:866/410-8062 gaitways.com

■ ProKnee Phone:800/549-5018

ProLab Orthotics

Phone:800/477-6522 prolaborthotics.com

Promet Phone:952/814-0225

Propét Phone:800/877-6738

propetusa.com

Prosthetic Design Phone:800/459-0177

prostheticdesign.com

Prosthetic Ink Phone:360/895-1976 prostheticink.com

Prosthetics Research

Specialist Phone:800/952-6744

prostheticsresearch.com See ad on p. 115 company profile on p. 112

ProtoKinetics Phone:610/449-4879 protokinetics.com

PSL Fabrication

Phone:800/470-1188

Alphabetical Company Listings



Quick Notes

Phone:800/899-2468 anotes.com

Quikiks Hands-Free Shoes

Phone:888/656-2751 auikiks.com

Quorum Orthopedics Phone:877/238-5625 quorumorthopedics.com



R&B Medical **Distributors**

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Raborn Orthotics Phone:713/349-8117

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Phone:800/822-2889 railyardfitness.com

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Phone:760/231-6969 rampro.net

■ Redi-Thotics

Phone:877/740-3668 redi-thotics.com

■ Reflexa Socks by Doc's Socks

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Phone:800/525-7328 rehabseating.com

■ Remington Products

Phone:330/335-1571 remprod.com

Restorative Care of America

Phone:800/627-1595 rcai.com

See ad on p. 51 company profile on p. 49

Revere

Phone: 844/773-8373 revereshoes.com

See ad on p. 6 company profile on p. 26

■ Richie Brace Phone:877/359-0009 richiebrace.com

Riecken's Orthotic Laboratory

Phone:800/331-8040 footcomfortworld.net

■ Right Way Custom **Molded Shoes**

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RJ Industries

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Rocket7 Custom **Cycling Shoes**

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Sergeant Corporation

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Sharp Shape

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Phone:866/732-9144 sidas.com

Sidewinder Solutions

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Sigvaris

Phone:800/322-7744 sigvarisusa.com

Siliconcoach

Phone:64-3-479-2577 siliconcoach.com

Silipos Phone:212/687-3260 silipos.com

Smart Feet Savannah Phone:912/920-0065 smartfeetsavannah.com

Smart Medical

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Smith & Nephew

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Sole

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Sole (Custom Footbeds and Orthopedic Sandals)

Phone: 403/204-0907 voursole.com

Sole Supports

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See ad on p. 71

SoleTech Phone:877/625-9494

soletech.com

Solo Laboratories

Phone:800/765-6522 sololabs.com

See ad on p. 10 company profile on p. 67

SOLS

Phone:917/477-2521 sols.com

Somnio

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Sonostics

Phone:607/778-6945

Sonostics

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Sore Dawg Insoles

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■ Southwest Technologies

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SpiderTech

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Sports Balance Technology

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■ Steel Foot II

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Straight Arrow Products

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See ad on p. 44, 105 Streifeneder USA

Phone:800/378-2480 streifeneder-usa.com

Stretching Phone:800/333-1307 stretching.com

Stride Custom Orthotics

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Strutz

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STS Company

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Sunrise Shoes

Phone:916/967-5858 sunriseshoes.com

SureFit

Phone:800/298-6050 surefitlab.com

See ad on p. 90, 91,

company profile on p. 88 Surestep Phone:877/462-0711

surestep.net Surgi-Care

Phone:800/797-8744 surgi-careinc.com

Swede-0

Phone:800-525-9339 swedeo.com

Swedish Backcare

System Phone:770/888-9796 mastercare.se

Swim Again

Phone:336/464-7946 swimagain.com

SwimEx

Phone:800/877-7946 swimex.com

Synergy

Therapeutic Systems Phone: 407/833-3830

■ Tamarack Habilitation

Technologies Phone:763/795-0057

tamarackhti.com

TechMed 3D Phone:418/836-8100

techmed3d.com See ad on p. 114, 121,

company profile on p. 116

Tekscan Phone:617/464-4500 tekscan.com/medical

■ TenderFeetShoes

Phone:866/936-7463 tenderfeetshoes.com

Tensegrity Prosthetics

Phone:303/666-7722 tensegrityprosthetics.com

tetramed.com

Tetra Medical Supply Corp. Phone:800/621-4041

Texas Orthopaedic **Products and Services**

Phone:888/373-4009 topsproducts.com

■ The Foot Store

Phone:843/849-1108 footstore.com

LERresourceguide.com

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See ad on p. 76

The Original Foot Alignment Socks by Rite Sprouts

Phone:440/256-1526 my-happyfeet.com

The Ortho Remedy Phone:800/662-7993

orthoremedy.com

The Orthotic Group Phone:800/551-3008

The Tetra Corporation Phone:800/826-0479 thetetracorp.com

■ Thera-Plus Doctors Supply

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■ Therafit

Phone:305/333-3128 therafitshoe.com

■ TheraTogs

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■ Tom-Cat Solutions

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Topical Gear

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■ Total Control Orthotic Laboratory

Phone:609/499-2200 totalcontrolorthoticlab.com

■ Total Vein Systems

Phone:888/868-8346 totalvein.com

Tower Orthopedic Designs

Phone:866/412-2870 towerortho.com

See ad on p. 82, company profile on p. 80

Phone:800/432-3466 townsenddesign.com

■ Trademark Medical

Phone:800/325-9044 trademarkmedical.com

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Phone: 781/435-0662 treadlabs.com

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Turbo Med Orthotics

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Turbosonic USA

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UCO International

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Ultram ER/ Ortho

McNeil Pharmaceuticals Phone:877/323-2200 ortho-mcneil.com



Vantage Orthopedics/ Body Glove

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■ Vertical Foot Alignment System

Phone:800/824-4655 verticalfas.com

■ Vicon

Phone:303/799-8686 vicon.com

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company profile on p. 52 ■ Vionic Group Phone:415/492-2190 vionicgroup.com

■ Viscolas,

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Visual Footcare Technologies

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■ Waldlaufer

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■ WalkJov

Phone:562/714-5151 walkiov.com

Ward Medical

Phone:888/429-5911 wardmedicalinnovations.com

See ad on p. 39

Waterhouse Leather

Phone:800/322-1177 waterhouseleather.com

■ WBC Industries

Phone:800/818-2932 wbcindustries.com

Wheaton Brace

Phone:800/227-6769 wheatonbrace.com

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Woundcare

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X-Strap Systems

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Xelero

Phone:866/969-3338 xeleroshoes.com



Yanke Bionics

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■ YogaPro

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Falls are the leading cause of death from injury among Americans age 65 or older.



Almost 22,000 older adults will die from a fall this year.

The Moore Balance Brace is the only balance brace clinically proven to reduce postural sway and increase postural stability."



In 2012, the total cost of fall injuries was over \$36 billion. This may reach \$59.6 billion each year by 2020.

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