Allied OSI Labs

Product Catalog

Embracing an Active Future

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Our Customers Say

"We have used Allied OSI Labs for nearly twenty years. We have always enjoyed quality products at competitive prices with quick and friendly service. We use Allied's full product range and are consistently pleased." ~ Dr. Patrick Kulina

"In the twenty four years I have been in practice, Allied OSI Labs has produced the highest quality devices of any lab I have used. Their customer service is unsurpassed. If you have not tried them, you should!" ~ Dr. Timothy Jantz

"I've been using Allied OSI Labs for several years. They have consistently produced both high quality orthotics and friendly, helpful customer service. I wear the Eagle and feel great in them. Their orthotic selection is diverse and meets the varying needs of my patients. I highly recommend Allied OSI Labs." ~ Dr. C. Thomas DeRoche

"Allied OSI Labs is large enough to quickly fill large orthotic orders and still able to focus on specific gait pathologies with specialized orthotic devices for my patients." ~ Dr. John Throckmorton

Our Company

Since our founding in 1978, it has been our philosophy to consistently provide professionals like you with superior products and services. We are pleased that a great deal of our growth has been the result of voluntary referrals from satisfied customers. They comment that we not only provide quality products but that our pricing is competitive and our service is outstanding. The lab has been very fortunate to serve some of the most respected orthotic professionals of our time. Because of their faith in our capabilities, these professionals ask us to manufacture devices they have designed and allow us to put their name on them. We are proud to serve these world-renowned physicians, who serve world-class athletes.

We Offer

- Free inbound shipping
- Free consultations
- Free shipping supplies
- Online bill payment and order tracking
- Outgrowth insurance
- Lifetime warranty against breakage
- Customer "quirk" files for special instructions

Hybrid

- Use as a functional or athletic device.
- Treatment of plantar fasciitis, heel spur syndrome, forefoot varus or valgus, generalized foot pain, lateral ankle instability, shin splints, or tibial stress fractures.

Shell: 3/16" polypropylene
Heel Cup Depth:12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Length: metatarsal
Top Cover: vinyl

Also Available


TL2100®


TLSilver®


Performance RX™

Functional

- Use to provide control or correction for foot or gait abnormalities.
- Treatment of plantar fasciitis, heel spur syndrome, forefoot varus or valgus or generalized foot pain.

Mueller TPD

Shell: 3mm HMW polyethylene
Heel Cup Depth: 22mm
Forefoot Post: triaxial intrinsic with 1 degree extrinsic tip post
Rearfoot Post: extrinsic crepe
Length: metatarsal
Top Cover: echoleather
Features: medial and lateral flange, deep heel cup, pocket for navicular

Blake Inverted

Shell: 3/16" polypropylene
Heel Cup Depth: 20mm
Forefoot Post: 25 degree inverted intrinsic
Rearfoot Post: extrinsic crepe
Length: metatarsal
Top Cover: echoleather

PRX II

Shell: Performance RX™ semi rigid
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Length: full
Padding: 1/16" Poron®
Top Cover: vinyl
Bottom Cover: Ultrasuede® under forefoot only
Free silk orthotic bag with each new PRXII order

Diabetic

- Use for patients that are unable to tolerate the correction of a functional device. The focus is to allow for certain foot deformities rather than to correct or control them and to give some support without rigidity.
- Treatment of plantar fasciitis, heel spurs, metatarsalgia, diabetes, cavus foot, or generalized foot and leg fatigue.

Diabetic Soft

Shell: 5/8" white EVA
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic EVA
Length: full
Top Cover: 1/8" plastazote, 1/16" Poron® laminated
Bottom Cover: 1/16" EVA

Diabetic Medium

Shell: thermocork
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic thermocork
Length: full
Top Cover: 1/8" plastazote, 1/16" Poron® laminated
Bottom Cover: 1/16" EVA

Diabetic Firm

Shell: 2mm HMW polyethylene
Heel Cup Depth: 16mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Length: full
Top Cover: 1/8" plastazote, 1/16" blue Poron® laminated
Bottom Cover: 1/16" EVA
Features: medial flange, lateral clip, deep heel cup

Accommodative

- Use for patients that are unable to tolerate the correction of a functional device. The focus is to allow for certain foot deformities rather than to correct or control them and to give some support without rigidity.
- Treatment of plantar fasciitis, heel spurs, metatarsalgia, diabetes, cavus foot, or generalized foot and leg fatigue.

Balance Lite

Shell: 1/8" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: modified intrinsic
Length: sulcus
Padding: 1/16" plastazote in forefoot
Top Cover: vinyl
Bottom Cover: Ultrasuede®

Balance Soft

Shell: 1/8" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic Poron®
Length: sulcus
Padding: 1/16" plastazote in forefoot
Top Cover: vinyl
Bottom Cover: Ultrasuede®
Features: Poron® arch reinforcement

Balance Support

Shell: 1/8" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic corax
Length: sulcus
Padding: 1/16" plastazote in forefoot
Top Cover: vinyl
Bottom Cover: Ultrasuede®
Features: corax arch reinforcement

Classic Leather

Shell: leather, thermo HK 1&2, corax
Heel Cup Depth: 12mm
Forefoot Post: none
Rearfoot Post: extrinsic corax
Length: sulcus
Padding: 1/16" plastazote
Top Cover: leather
Bottom Cover: Ultrasuede®

Dress

- Use for mens and womens dress shoes (flat or high-heeled) to provide support in low countered shoes.
- Treatment for forefoot lesions, intermetatarsal neuromas, metatarsalgia, plantar fasciitis, or heel pain.

Dress Class 1

Shell: TL Silver® semi rigid graphite
Heel Cup Depth: no shell in heel
Forefoot Post: intrinsic
Rearfoot Post: 1/16" corax heel stabilizer
Length: sulcus
Padding: 1/16" plastazote in forefoot
Top Cover: vinyl
Bottom Cover: Ultrasuede®
Features: narrow grind

Dress Class 2

Shell: TL2100® semi rigid graphite
Heel Cup Depth: flat
Forefoot Post: intrinsic
Rearfoot Post: none
Length: sulcus
Padding: 1/16" plastazote in forefoot
Top Cover: vinyl
Bottom Cover: Ultrasuede® under forefoot only
Features: pitched to a 2" heel, narrow grind

Dress Class 3

Shell: 1/8" polypropylene
Heel Cup Depth: 10mm
Forefoot Post: intrinsic
Rearfoot Post: none
Length: sulcus
Padding: 1/16" plastazote in forefoot
Top Cover: vinyl
Bottom Cover: Ultrasuede®
Features: hole in the heel, narrow grind

Athletic

- Use for athletes where the focus is during the propulsive phase of their gait. These devices provide shock absorption and control while allowing for some natural pronation.
- Treatment of forefoot varus or valgus, lateral ankle instability, shin splints, plantar fasciitis and prevention of tibial stress fractures.

Supersport

Shell: 3/16" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic with a 3 degree runner's wedge
Rearfoot Post: extrinsic crepe
Length: full
Top Cover: vinyl
Bottom Cover: Ultrasuede®

Durkin Sport

Shell: 3/16" polypropylene
Heel Cup Depth: 16mm
Forefoot Post: extrinsic long crepe
Rearfoot Post: biaxial with a crepe heel stabilizer
Length: full
Top Cover: vinyl
Bottom Cover: Ultrasuede®

Walker

Shell: 1/8" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic corax
Length: full
Padding: 1/8" Poron®
Top Cover: vinyl
Bottom Cover: Ultrasuede®

Eagle

Shell: TL2100® semi rigid graphite
Heel Cup Depth: 16mm
Forefoot Post: triaxial with 3 degree runner's wedge
Rearfoot Post: biaxial with crepe heel stabilizer
Length: full
Top Cover: vinyl
Bottom Cover: Ultrasuede®

Orthocise

Shell: 1/8" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic with a 3 degree corax runner's wedge
Rearfoot Post: modified intrinsic
Length: sulcus
Top Cover: vinyl
Bottom Cover: Ultrasuede®
Features: cut out for 1st in runner's wedge and filled with Poron®

Braver Ballet

Shell: 2mm HMW polyethylene
Forefoot Post: extrinsic long crepe
Length: sulcus
Top Cover: pelite
Bottom Cover: Ultrasuede®
Features: elastic band and thong, no shell in heel

Childrens

- Use to control pronation and to help correct or prevent gait abnormalities in children once they begin walking in shoes.
- Treatment for abnormal foot pronation, reduction of forefoot supinatus, night cramps or an awkward running gait.

NOTE: All come standard with white Polyproplene, but red, blue and tie dye are available.

Whitman Roberts

Shell: 1/8" polypropylene
Heel Cup Depth: 20mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Features: medial flange, lateral clip, deep heel cup

Reverse Roberts

Shell: 1/8" polypropylene
Heel Cup Depth: 18mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Features: medial flange, lateral clip, deep heel cup, shell extends under 5th metatarsal

Gait Plate In Toe

Shell: 1/8" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Features: extended plantar medial shell

Gait Plate Out Toe

Shell: 1/8" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Features: extended plantar lateral shell

Heel Stabilizer A

Shell: 1/8" polypropylene
Heel Cup Depth: 20mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Features: extended medial flange, lateral clip, deep heel cup, small extension under medial arch

Heel Stabilizer B

Shell: 1/8" polypropylene
Heel Cup Depth: 20mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Features: extended medial flange, lateral clip, deep heel cup

Childrens

Heel Stabilizer C

Shell: 1/8" polypropylene
Heel Cup Depth: 20mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Features: extended lateral flange, extended medial flange, deep heel cup

Heel Stabilizer D

Shell: 1/8" polypropylene
Heel Cup Depth: 20mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Features: extended lateral flange with shell extending under 5th metatarsal, medial clip, deep heel cup

Heel Stabilizer E

Shell: 1/8" polypropylene
Heel Cup Depth: 20mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Features: extended medial flange with shell extending under the 1st metatarsal, lateral clip, deep heel cup

No Insurance Coverage?
Total Custom - Affordabley Priced

Footlights

Total Custom - Affordably Priced

- Use for every walk of life. Specifically designed to use as functional, athletic, dress, or accommodative devices.
- Treatment for plantar fasciitis, heel spurs, forefoot lesions, forefoot varus or valgus, or pronation syndrome.

Footlight Functional

Shell: 3/16" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe

Footlight Athletic

Shell: 3/16" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic crepe
Length: metatarsal
Top Cover: EVA

Footlight Accommodative

Shell: 1/8" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic
Rearfoot Post: extrinsic EVA
Length: sulcus
Top Cover: EVA
Features: EVA arch reinforcement

Footlight Dress

Shell: 1/8" polypropylene
Heel Cup Depth: 10mm
Forefoot Post: intrinsic
Rearfoot Post: None
Length: sulcus
Top Cover: EVA
Features: hole in heel filled with Poron®, narrow grind

Footlight Competitor

Shell: 3/16" polypropylene
Heel Cup Depth: 12mm
Forefoot Post: intrinsic with 3 degree runner's wedge
Rearfoot Post: extrinsic crepe
Length: full
Top Cover: EVA

Richie Brace®

- Use as ultimate support in treatment of the foot and ankle. These are custom foot-ankle braces.
- Treatment to stabilize rotational forces at the midtarsal, subtalar and talo-crural joints. Additional modifications are available to add further restriction of motion in the saggital, frontal, or transverse plane.

Treatment Guide

*For more information on our Richie Brace® line request a Richie Brace® catalog

Richie Brace® Arch Suspender®

Medial Arch Suspender®
- Moderate to severe PTTD
- Stage II or III PTTD with subluxed talonavicular joint

Lateral Arch Suspender®
- Peroneal Tendinopathy fixed varus deformity of hindfoot
- Severe lateral ankle instability

Richie Brace® Standard

Full flexion
- Mild to moderate PTTD
- Lateral ankle instability

Restricted hinge
- DJD of ankle or rearfoot
- Dropfoot mild
- Dropfoot with spasticity
- Dropfoot with equinus

Richie Brace® Ultra

First custom AFO designed for a "step-down" approach to treatment. As your patient progresses through rehabilitation and healing you can step down by removing the pre-tibial shell and convert the brace to the traditional low profile design.

Richie Brace® Little Richie

(for children ages 1-12)
- Cerebral Palsy
- Muscular Dystrophy
- Ataxia
- Hypotonia
- Tarsal Coalition
- Talipes equino varus
- Talipes calcaneal valgus

Richie Brace®

Richie Brace® Dynamic Assist

- Dropfoot without equinus
- No spasticity
- Unstable knee (must have all of the first three)
- Post CVA
- Peroneal nerve injury
- Post Polio

Richie Brace® Solid AFO

- Severe Dropfoot with spasticity
- Charcot Arthropathy
- Dropfoot with unstable knee

Richie Brace® California

- Stage IV PTTD
- Charcot deformity
- Severe DJD of ankle or hindfoot

Richie Brace® Guantlet

- Rigid, non-reducible Adult Acquired Flatfoot (stage III & IV)
- Severe DJD or deformity of hindfoot
- Charcot Arthopathy

SideKicks
by Allied OSI Labs

Prefabricated that look custom

SportMate

Shell: 3mm semi rigid polypropylene
Rearfoot Post: extrinsic 4 degree or no post
Length: metatarsal or full length
Top Cover: 1/8" EVA and Neolone
Bottom Cover: non-skid bottom cover comes with full length

ComfortMate

Shell: 3mm semi rigid polypropylene
Rearfoot Post: extrinsic 4 degree or no post
Length: metatarsal or full length
Top Cover: 1/8" EVA and vinyl
Bottom Cover: non-skid bottom cover comes with full length

HelpMate

Shell: 3mm semi rigid polypropylene
Rearfoot Post: extrinsic 4 degree or no post
Length: full length
Top Cover: 1/8" EVA and Neolone (top cover left open from heel distally to add accommodations as needed)
Bottom Cover: non-skid bottom cover

Richie Brace® Over the Counter

The Richie OTC Ankle Brace

- Acute ankle sprain
- Tendinopathy of the foot and ankles
- Interim brace before custom AFO

The Richie OTC Dynamic Assist

- Dropfoot secondary to CVA or nerve injury
- Peroneal Tendinopathy
- Tibialis Anterior Tendinopathy

Specifications: Arch Height and Grind Width

* These items will vary upon the individual casts, but the following approximations will provide an estimate of how much plaster fill will be added to the positive cast and how orthotics will be ground.

Arch Height
(the amount of plaster that is added to the transition between the posting platform and arch)
No Arch Fill: approximately 1/16" fill
High: approximately 1/8" fill
Medium (our standard): approximately 1/4" fill
Low: approximately 1/2" fill

Grind Width
Wide: shell encompasses all metatarsal heads 1-5
Regular (our standard): shell bisects 1st metatarsal head
Narrow: forefoot is ground 1/8" laterally from bi-section line on the 1st metatarsal head. The medial and lateral arches are bowed in 1/8". Note: choose narrow for dress shoes.

Weight Chart

When adding medial flanges or arch reinforcement, add 60 lbs to weight limit.

Polypropylene
Up to 160 lbs - 1/8"
161 to 299 lbs - 3/16"
Over 299 lbs - 1/4"

Diabetic Products
Up to 150 lbs - soft
151 to 185 lbs - medium
186 to 250 lbs - firm

Mueller TPD HMW Polyethylene
Up to 140 lbs - 2mm
Over 140 lbs - 3mm

Graphite TL Silver®
Up to 200 lbs - semi-rigid
Over 200 lbs - rigid

Graphite TL2100® and Performance RX™
Up to 120 lbs - semi-flexible
121 to 220 lbs - semi-rigid
221 to 300 lbs - rigid
Over 300 lbs - ultra-rigid (not available in Performance RX™)

Posting Specifications

Forefoot Posts:

Extrinsic: This method of forefoot posting is accomplished by placing crepe directly under the front of the orthoses, wedging the forefoot into its neutral or desired position. This type of posting may not allow the metatarsal heads to reach the supporting surface, and could induce jamming at the metatarsaophalangeal joints. This type of posting also adds considerable bulk to the front of the orthoses, sometimes causing shoe fit problems.

Intrinsic: This intrinsic posting into the cast allows the metatarsals to plantarflex to the supporting surface, decreasing jamming of the metatarsophalangeal joints and preventing the forefoot post from affecting the place of the rearfoot.

Triaxial Intrinsic: This technique allows the posting of the forefoot to be integrated directly into the plaster cast of the foot. By sectioning the midtarsal joints to their oblique axis, the forefoot can be rotated out of a varus or valgus position. This allows full posting of large degrees of deformity. Triaxial posting is often completed by incorporating a biaxial rearfoot post.

Extrinsic Long: An extrinsic forefoot post is added under the metatarsal heads, tapering off distally and becoming incorporated into a forefoot extension. This posting is most useful when controlling forefoot varus or valgus in sports where heel contact is short or there are large amounts of side-to-side motion in the activity. A runner's wedge is incorporated in this manner as well, but using only 3 degrees of posting. A runner's wedge is added in addition to the forefoot intrinsic posting.

Rearfoot Posts:

Extrinsic: In this traditional method of posting, crepe is applied directly to the heel area of the device.

Modified Intrinsic: The shell of the orthoses is ground at the heel contact point, either to the plane of the forefoot or in the desired degree of rearfoot. The amount of posting available is dependant on the thickness of the orthoses, and is limited. It is not to be confused with true intrinsic posting offered with biaxial or triaxial methods.

Biaxial Intrinsic: In this process, the rearfoot section of the cast is sectioned to the axis of the subtalar joint. The rearfoot section can then be rotated into its desired position of varus or valgus. The advantage of this technique is that it allows the rearfoot to be posted independently of the forefoot, eliminating discrepancies between the plane of the forefoot and rearfoot sections of the orthoses. High degrees of deformity can be posted without affecting how the device fits in the shoe, and prevents lateral slippage of the foot off the orthoses. Biaxial rearfoot posting can be incorporated into most orthoses, and can be used independently or in conjuction with the triaxial posting.

Accommodations

1st MPJ shell cutout

Accommodation in Forefoot extension

Amputee Fill

Arch accommodation in shell

Fascia Groove accommodation

Heel Lift

Hole in the Heel

Accommodations

Horseshoe Pad

Metatarsal Pad

Heel Spur Pocket

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