

# KLM orthotics

## *Product Descriptions and Details*

### Digital

#### eTech\_Rx

Direct Milled Polypropylene shell  
4 degree varus unified Polypropylene rear foot post  
Simulated Leather top cover to the met heads  
You choose stiffness (normal, more rigid, or more flexible)  
Heel Cup 16mm (10mm-26mm)

\* This product is only available when ordered  
with Digital Casts obtained by KLM's  
Digital Casting Application for iPad and  
Structure Sensor Scanner via [elab.klmlabs.com](http://elab.klmlabs.com)

Watch the instructional videos at [klmlabs.com](http://klmlabs.com)  
and contact [cservice@klmlabs.com](mailto:cservice@klmlabs.com) to get started.

The App is FREE!



# Digital Casting



Step into the future at [elab.klmlabs.com](http://elab.klmlabs.com)

All products shown as they come standard. Options for heel cup depths included in parenthesis. Updated May 12, 2020

KLM Orthotic Labs ♦ 28280 Alta Vista Ave. Valencia, CA 91355 ♦ P: 800-556-3668 ♦ F: 800-556-3338 ♦ E: [cservice@klmlabs.com](mailto:cservice@klmlabs.com) ♦ W: [klmlabs.com](http://klmlabs.com)

# KLM orthotics

## *Product Descriptions and Details*

### FUNCTIONAL

#### TL Silver

Fiberglass shell  
Soft 4 degree varus rear foot post  
Simulated Leather top cover to the met heads  
Maximum biomechanical control, rigid  
Low bulk for hard to fit shoes  
Heel Cup 14mm (8mm-22mm)



#### Ultrathin

Graphite shell  
Soft 4 degree varus rear foot post  
Simulated Leather top cover to the met heads  
Maximum biomechanical control, rigid  
Low bulk for hard to fit shoes  
Heel Cup 14mm (8mm-22mm)



#### Uniflex 1

5.5mm Polypropylene shell  
4 degree varus unified Polypropylene rear foot post  
No top cover  
Maximum biomechanical control, rigid  
Lifetime guarantee against shell breakage  
Heel Cup 16mm (10mm-26mm)



#### Uniflex 2

4mm Polypropylene shell  
4 degree varus unified Polypropylene rear foot post  
Blue Super-All-Step top cover to the toes  
Medium biomechanical control, semi-rigid  
Lifetime guarantee against shell breakage  
Heel Cup 16mm (10mm-26mm)



#### Uniflex 4

Polypropylene shell standard 4mm can be 2mm-6mm  
4 degree varus unified Polypropylene rear foot post  
You choose the stiffness (normal, more rigid, or more flexible)  
Simulated Leather top cover  
Heel Cup 16mm (10mm-26mm)



All products shown as they come standard. Options for heel cup depths included in parenthesis. Updated May 12, 2020

# KLM orthotics

## *Product Descriptions and Details*

### SPORT

#### Aerobic

3mm Polypropylene shell  
No rear foot post  
Enduro plantar heel and arch fill for additional support  
Simulated Leather top cover to the toes over a layer of Enduro  
Mild biomechanical control, semi-flexible  
Specifically designed to control midfoot strike and provide maximum shock absorption of the ground reaction forces created by aerobic activities  
Heel Cup 16mm (8mm-30mm)



#### All Purpose

4mm Polypropylene shell  
Soft 4 degree varus rear foot post  
Simulated Leather top cover to the met heads  
Medium biomechanical control, semi-rigid  
General purpose sport orthotic  
Heel Cup 16mm (8mm-30mm)



#### Basketball

4mm Polypropylene shell  
Soft 4 degree varus rear foot post  
Crepe plantar arch fill for additional support  
Enduro extension to increase padding under the forefoot and toes  
Simulated Leather top cover to the toes  
Maximum biomechanical control, rigid  
The Basketball also has a Suede bottom cover and is designed for start-stop sports  
Heel Cup 16mm (8mm-30mm)



#### Golf

4mm Polypropylene shell  
Soft 4 degree varus rear foot post  
Enduro extension to increase padding under the forefoot  
Simulated Leather top cover to the sulcus  
Medium biomechanical control, semi-rigid  
The Golf orthotic can be used for golfing, walking, and general sport activities  
Heel Cup 16mm (8mm-30mm)



#### Running

4mm Polypropylene shell  
Soft 4 degree varus rear foot post  
Enduro extension to increase padding under the forefoot and toes  
Simulated Leather top cover to the toes  
Medium biomechanical control, semi-rigid  
Heel Cup 16mm (8mm-30mm)



All products shown as they come standard. Options for heel cup depths included in parenthesis. Updated May 12, 2020

KLM Orthotic Labs ♦ 28280 Alta Vista Ave. Valencia, CA 91355 ♦ P: 800-556-3668 ♦ F: 800-556-3338 ♦ E: [cservice@klmlabs.com](mailto:cservice@klmlabs.com) ♦ W: [klmlabs.com](http://klmlabs.com)

# KLM orthotics

## *Product Descriptions and Details*

### SPORT

#### Soccer

2mm Polypropylene shell  
Terryco top cover to toes to increase padding  
Crepe plantar arch fill for additional support  
Full length Suede bottom cover  
Medium biomechanical control, semi-flexible  
Designed for start-stop sports  
Heel Cup 16mm (8mm-18mm)



#### Skithotic

4mm Polypropylene shell  
Soft flat rear foot post (0 degrees) to stabilize the foot in neutral  
Plastizote extension under the forefoot and toes for increased padding and toe grip  
Simulated Leather to the toes  
Medium biomechanical control, semi-rigid  
Also available in graphite for a more rigid device  
The Skithotic orthotic has a ski strap for easy removal from tight fitting ski boots  
Heel Cup 16mm (8mm-30mm)



#### Supersport

4mm Polypropylene shell  
Soft 4 degree varus rear foot post  
Crepe plantar arch fill  
Crepe varus forefoot wedge to the sulcus for extra control  
in the propulsion phase of gait  
Enduro extension to increase padding under the forefoot and toes  
Simulated Leather top cover to the toes  
Maximum biomechanical support, rigid  
Heel Cup 16mm (8mm-30mm)



#### Ultrathin Sport

Graphite shell  
Soft 4 degree varus rear foot post  
Simulated Leather top cover to the met heads  
Medium biomechanical control, semi-rigid  
Low bulk for hard to fit shoes  
Heel Cup 14mm (8mm-14mm)



All products shown as they come standard. Options for heel cup depths included in parenthesis. Updated May 12, 2020



# KLM orthotics

## *Product Descriptions and Details*

### PEDIATRIC

#### Gait Plate

3mm Polypropylene shell  
Soft 4 degree varus rear foot post  
No top cover  
The shell has a lateral clip and also a distal extension under the fifth metatarsal-phalangeal joint (mpj) to promote out toeing or a distal extension under the first mpj to promote in toeing  
Always indicate whether to promote in toeing or out toeing  
Maximum biomechanical control, rigid  
Heel Cup 16mm (8mm-30mm)



#### Robert Whitman

3mm Polypropylene shell  
Soft 4 degree varus rear foot post  
No top cover  
The shell has a medial flange and lateral clip to provide maximum support for excessive pronation, rigid  
The Robert Whitman is recommended for children only  
Heel Cup 16mm (8mm-30mm)



#### UCBL

3mm Polypropylene shell  
Flat (0 degree) rear foot post  
No top cover  
The shell has high medial and lateral flanges  
Deep 24mm heel cup  
Maximum biomechanical control for severe pronation, rigid  
Heel Cup 24mm (8mm-30mm)



All products shown as they come standard. Options for heel cup depths included in parenthesis. Updated May 12, 2020

KLM Orthotic Labs ♦ 28280 Alta Vista Ave. Valencia, CA 91355 ♦ P: 800-556-3668 ♦ F: 800-556-3338 ♦ E: [cservice@klmlabs.com](mailto:cservice@klmlabs.com) ♦ W: [klmlabs.com](http://klmlabs.com)

# KLM orthotics

## *Product Descriptions and Details*

### GERIATRIC / ACCOMMODATIVE

#### Crepe

Crepe shell to the met heads  
No rear foot post  
Mild biomechanical support, semi-flexible  
Designed for patients that cannot tolerate rigid orthotics  
or the feel of plastic materials  
Heel Cup 14mm (10mm-20mm)



#### Geriatric

3mm Polypropylene shell  
Soft 4 degree varus rear foot post  
Simulated Leather top cover to the met heads  
Medium support for active mature patients, semi-flexible  
Heel Cup 12mm (8mm-24mm)



#### Leather Accommodative

Leather with Celastic reinforced shell  
No rear foot post  
Enduro extension under the forefoot to provide increased padding  
Simulated Leather to the sulcus  
Medium biomechanical control, semi-flexible  
For increased support add a Crepe, Korex, or Enduro plantar arch fill  
Heel Cup 14mm (10mm-20mm)



#### Plastizote

Dual density Plastizote shell  
No rear foot post  
Full length Plastizote top cover to the toes  
Soft and cushioned and designed to provide comfort  
for people with sensitive skin  
Mild biomechanical control, flexible  
Heel Cup 14mm (10mm-20mm)



#### Softtouch

2mm Polypropylene shell  
No rear foot post  
Simulated Leather top cover to the sulcus  
Enduro extension under the forefoot to provide increased padding  
Mild biomechanical control, flexible  
Heel Cup 14mm (8mm-18mm)



All products shown as they come standard. Options for heel cup depths included in parenthesis. Updated May 12, 2020

KLM Orthotic Labs ♦ 28280 Alta Vista Ave. Valencia, CA 91355 ♦ P: 800-556-3668 ♦ F: 800-556-3338 ♦ E: [cservice@klmlabs.com](mailto:cservice@klmlabs.com) ♦ W: [klmlabs.com](http://klmlabs.com)

# KLM orthotics

## *Product Descriptions and Details*

### FASHION

#### Fashion Flexible

2mm Polypropylene shell  
No rear foot post  
Enduro extension under the forefoot to provide increased padding  
Simulated Leather top cover to the sulcus  
Mild biomechanical control for low heeled pumps and flats, flexible  
Heel Cup 8mm (8mm-18mm)

#### Fashion Ultrathin

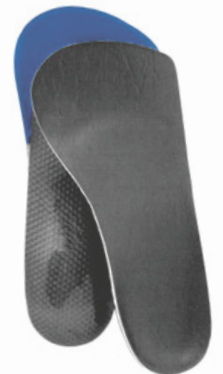
Graphite shell  
No rear foot post  
Enduro extension under the forefoot to provide increased padding  
Simulated Leather top cover to the sulcus  
Designed for heels over 2 inches, rigid  
For proper fit, always specify heel height  
Heel Cup 0mm

#### Ultrathin In-Between

Graphite shell  
No rear foot post  
Enduro extension under the forefoot to provide increased padding  
Simulated Leather top cover to the sulcus  
Maximum biomechanical control for low heeled pumps and flats, rigid  
Heel Cup 8mm (8mm-12mm)

#### Unislender

3mm Polypropylene shell  
A hole in the heel and a "slender shape" for reduced bulk  
No rear foot post  
Enduro extension under the forefoot to provide increased padding  
Simulated Leather top cover to the sulcus  
Medium biomechanical control and is great for high heels, cowboy boots, skates, and hard to fit shoes, semi-flexible  
Heel Cup 12mm (8mm-24mm)



All products shown as they come standard. Options for heel cup depths included in parenthesis. Updated May 12, 2020

# KLM orthotics

## *Product Descriptions and Details*

### DIABETIC

This product allows you to build each orthotic according to your patient's special needs. First select from the shell materials listed on the left of the RX form, to provide the proper amount of support and control.

Second, choose from multiple cover materials to create a single, dual, or tri-laminated top cover. The Diabetic is designed specifically for patients that require mild support, soft tissue padding, and plantar accommodations.

Heel Cup 16mm (10mm-20mm)



### DIABETIC ORTHOTIC PROGRAM

#### Komfort Standard

Total contact device that provides diabetic patients with ultimate protection and comfort. The dual laminated shell may be ordered with a Micropuff plantar fill to increase arch support.

Heel Cup 18mm



#### Komfort Micropuff

Total contact device that provides diabetic patients with ultimate protection and comfort. Our state-of-the-art software creates a one piece, solid micropuff insole that is covered with pink 1/8" plastizote. The soft but incredibly durable materials provide diabetic patients with additional comfort and mobility.

Heel Cup 18mm



#### Komfort Multicork

Total contact device that provides diabetic patients with ultimate protection and comfort. The dual laminated shell is reinforced with a Multicork plantar fill to increase arch support.

Heel Cup 18mm



All products shown as they come standard. Options for heel cup depths included in parenthesis. Updated May 12, 2020

# KLM orthotics

## *Product Descriptions and Details*

### RICHIE BRACES AND AFOS

#### Richie Full Flexion (Standard)

Balanced functional foot orthotic articulated to semi-rigid lower leg uprights  
3mm Polypropylene shell  
Met length EVA top cover  
Stable heel  
Can be converted to Restricted Ankle Pivot  
Can be converted to include Arch Suspender  
Cannot be converted to Dynamic Assist



#### Richie Restricted Ankle Pivot

Balanced functional foot orthotic double riveted to semi-rigid lower leg uprights  
Reduces ankle dorsi/plantarflexion to less than 5 degrees  
3mm Polypropylene shell  
Met length EVA top cover  
Stable Heel  
Can be converted to Full Flexion (Standard)  
Can be converted to include Arch Suspender  
Cannot be converted to Dynamic Assist



#### Richie Dynamic Assist

Balanced functional foot orthotic  
Bilateral Tamarack Hinges connect to uprights  
Provides up to 15 degrees of dorsiflexion during swing phase of gait  
3mm Polypropylene shell  
Met length EVA top cover  
Stable heel  
Cannot be converted to any other brace types



#### Richie with Arch Suspender (Recommended Restricted Ankle Pivot)

Balanced functional foot orthotic  
Adjustable lifting strap  
    Medial - Passes under the Talonavicular joint to control plantar and medial displacement of the head of the Talus and lift the medial arch  
    Lateral - Passes under Calcaneal Cuboid joint to control inversion rotation and lift the lateral arch  
3mm Polypropylene shell  
Met length EVA top cover  
Stable heel  
Cannot be converted to any other brace types



All products shown as they come standard. Updated May 12, 2020

# KLM orthotics

## *Product Descriptions and Details*

### RICHIE BRACES AND AFOS

#### Little Richie Full Flexion (Standard)

Balanced functional foot orthotic articulated to semi-rigid lower leg uprights  
3mm Polypropylene shell  
Met length EVA top cover  
Stable heel  
Recommended for shoe sizes less than Men's 4 / Women's 6  
Can be converted to Restricted Ankle Pivot  
Can be converted to include Arch Suspender  
Cannot be converted to Dynamic Assist



#### Richie Soccer

Balanced functional foot orthotic articulated to semi-rigid lower leg uprights  
3mm Polypropylene shell  
Met length EVA top cover  
Stable Heel  
Includes anterior shin guard plate  
Can be converted to Restricted Ankle Pivot  
Can be converted to include Arch Suspender  
Cannot be converted to Dynamic Assist



#### Richie California AFO

Intrinsic balanced AFO shell  
Entirely encased in real leather  
Adjustable arch suspender (medial or lateral)  
Velcro strap, no lacing required  
Can only be converted to a Gauntlet



#### Richie Gauntlet

Intrinsic balanced AFO shell  
Adjustable arch suspender (medial or lateral)  
Stable heel  
Entirely encased in real leather  
Anterior laces and superior velcro strap  
Comes in tan and chocolate  
Can only be converted to a California AFO



All products shown as they come standard. Updated May 12, 2020



# KLM orthotics

## *Product Descriptions and Details*

### RICHIE BRACES AND AFOS

#### Richie Solid AFO

- Traditional AFO with balanced orthotic foot plate
- Sulcus length Pink Plastizote top cover
- Stable heel
- Superior anterior velcro strap
- Cannot be converted to any other brace types



#### Richie Aerospring Systems

- Single Prefab Carbon AFO
- Pair of custom milled crepe orthotics with full length Super-All-Step top covers
- Only casts of feet are required to order
- Specify one of four systems:
  - Achilles Offloading System (20mm graduated heel wedges in 10mm increments)
  - Plantar Fascia Offloading System (10mm graduated heel wedge)
  - Midfoot Offloading System (10mm graduated heel wedge)
  - Dropfoot Stability System (no heel wedges)



#### KLM Brace

- Balanced functional AFO shell
- Lightweight, durable polyester cloth covering
- Soft interface
- Velcro straps for easy application and removal
- Cannot be converted to any other brace types



#### KLM Brace Diabetic

- Balanced functional AFO shell
- Pink Plastizote covering
- Soft interface
- Velcro straps for easy application and removal
- Cannot be converted to any other brace types



All products shown as they come standard. Updated May 12, 2020

# KLM orthotics

## *Product Descriptions and Details*

### OTC AND PREFABRICATED PRODUCTS

#### Richie OTC Full Flexion (Standard)

Foot plate articulated to semi-rigid lower leg uprights  
Met length, black Super-All-Step top cover  
Padded uprights  
Order by shoe size



#### Richie OTC Restricted Ankle Pivot

Foot plate double riveted to semi-rigid lower leg uprights  
Reduces ankle dorsi/plantarflexion to less than 5 degrees  
Met length, black Super-All-Step top cover  
Padded uprights  
Order by shoe size



#### Richie OTC Dynamic Assist

Bilateral Tamarack Hinges connect foot plate to semi-rigid lower leg uprights  
Provides up to 15 degrees of dorsiflexion during swing phase of gait  
Met length, black Super-All-Step top cover  
Padded uprights  
Order by shoe size



#### CP-3300 Shells

Functional Polypropylene orthotic shell "The average custom foot orthotic shape"  
8mm deep heel cup  
No top cover  
No heel post  
Three rigidities: Mild (Clear shell), Medium (White Shell), Max (Black Shell)  
Order by shoe size: men's 4-16 / women's 6-18



#### CP-3300 Posted Shells

Functional Polypropylene orthotic shell "The average custom foot orthotic shape"  
8mm deep heel cup  
No top cover  
Intrinsic two degree inverted post  
Three rigidities: Mild (Clear shell), Medium (White Shell), Max (Black Shell)  
Order by shoe size: men's 4-16 / women's 6-18



Updated May 12, 2020

# KLM orthotics

## *Product Descriptions and Details*

### OTC AND PREFABRICATED PRODUCTS

#### CP Cobra Shells

Functional Polypropylene orthotic shell  
Designed for flats, high heels, and boots with a full heel counter or heel strap  
No heel post  
No top cover  
Three rigidities: Mild (Clear shell), Medium (White Shell), Max (Black Shell)  
Order by shoe size: men's 4-16 / women's 6-18



#### CP 3300 Insole

CP-3300 shell (same options apply)  
Full length, blue Super-All-Step top cover  
\*Also available with Posted CP 3300 shells



#### CP 3300 Insole Plus

CP-3300 shell (same options apply)  
Full length, black Ortholite top cover  
\*Also available with Posted CP 3300 shells



#### Superstep

CP-3300 shell (same options apply)  
Full length black padded fabric top cover  
Full length EVA bottom cover



#### Essence Insole

CP-Cobra shell (same options apply)  
Sulcus length prima leather top cover  
Sulcus length Suede bottom cover  
Comes in tan or black



#### Gold Insole

CP-Cobra shell (same options apply)  
Sulcus length Prima Leather top cover  
Sulcus length Suede bottom cover  
Comes in tan or black



#### Clouds

Accommodative insole for diabetic patients and pregnant women  
Made entirely from soft materials: Plastizotes and Micropuffs  
Available in three rigidities: Semi-Soft, Soft, and Super-Soft  
Order by shoe size: men's 6-12 / women's 8-14



Updated May 12, 2020

# KLM orthotics

## *Product Descriptions and Details*

### OTC AND PREFABRICATED PRODUCTS

#### Kiddythotics

Semi-rigid Polypropylene shell  
No rear foot post  
No top cover  
No heel post  
For children ages 1- 4, order by shoe size



#### Kid Os

Soft Polyethylene shell  
Flat rear foot post  
Medial Skive  
Mild medial and lateral flanges  
No top cover  
For children ages 4-7, order by shoe size



#### Juniors

Semi-rigid Polypropylene shell  
No rear foot post  
No top cover  
No heel post  
For children ages 4-7, order by shoe size



#### System Rx Shells

Available in four rigidities  
No rear foot post  
No top cover  
99 sizes fit 70% of normal foot types, see the System Rx  
Sizing Chart at [klmlabs.com/online-forms](http://klmlabs.com/online-forms)



### OTHER PRODUCTS

#### Custom Sandals

Once your patient's orthotics are functioning properly, they can get the same support from a pair of KLM's custom flip flop sandals  
Real leather cover  
Padded mesh straps  
No heel cup or low heel cup  
Available in four color combinations  
Cannot be adjusted



Updated May 12, 2020

# KLM orthotics

## *Terminology and Definitions*

### CAST CORRECTION TECHNIQUES

*Hand Corrected* - Hand Corrected is the traditional way of making foot orthotics. The negative casts are corrected and converted into a positive mold. Per the prescription, accommodations are added to the mold. An orthotic is pressed to the mold to create a custom handmade device.

*System\_Rx* - System\_Rx is a computerized cast correction system. The critical data is taken from the negative casts and entered into the system. Per the prescription, corrections and accommodations are added to the data. The computer generates a positive mold to which a custom orthotic is pressed. By using System\_Rx you eliminate the labor expense of pouring and correcting the casts by hand.

*Value\_Rx* - Value\_Rx was developed by monitoring System\_Rx and realizing that 99 different shapes were used more than 70% of the time. These 99 shapes are now injection molded as polypropylene shells available in four rigidities. When KLM receives casts from a practitioner, the critical data is taken from the negative casts in the same way as in the System\_Rx technique. However, instead of hand pressing an orthotic to a positive mold, the computer system selects the correct injection molded System\_Rx Shell for the patient. Extrinsic posting, top covers, and forefoot accommodations can then be added to the device. Value\_Rx is designed for patients with normal foot types and is not recommended for patients with severe deformities.

*California Preforms* - For the benefit of practitioners and patients alike, all of KLM's Rx Foot Orthotics can be made by shoe size. Yes, that means all of the Sport, Fashion, Geriatric, Pediatric and Diabetic custom orthotics. If for whatever reason, casts of the patient's feet are not available, or the patient cannot afford custom orthotics, simply check the box labeled "California Preform" in the upper right hand corner of KLM's Rx form and include the patient's shoe size.

### MATERIALS (KLM SPECIFIC)

*Super All Step* - Proprietary padded material. Open cell foam with a shiny smooth top.

*Enduro* - Comparable to PPT or Poron. Open cell foam with superior rebound. Standard for accommodations.

*Terryco* - Comparable to Neoprene or Spenco.

### KLM STANDARD PRODUCT WARRANTY

All KLM Products come with a standard warranty beginning on the ship date from KLM Labs. The standard warranty protects materials from breakage and defects in workmanship for six months. KLM's product guarantee and standard warranty expire if and when products are modified by any customer.

KLM cannot issue credit due to patient non-compliance, non-tolerance, non-acceptance, or reimbursement failures. Lab error or workmanship claims will be honored at full credit if declared within 90 days.

Most fitting issues can be resolved with adjustments. Adjustments to prescription orthotics are covered within the first 6 months; for example, adjusting arch heights or shortening orthotics. Changes to the original prescription are not covered. For example, adding an accommodation that was not originally requested or changing the orthotic type is not covered. Customers returning orthotics for adjustments should include detailed information describing the patient's problem and specific directions for the adjustment. KLM representatives can assist you by recommending adjustments that have been found effective in addressing certain orthotic compliance problems. KLM does not warranty adjustments made contrary to our experience or recommendations.

KLM product providers and distributors pay all shipping fees for Over-The-Counter products. OTC product returns must be authorized in advance and free from wear (in new condition) and the customer pays a 50% restocking fee. Modified products are not eligible for return. Please submit return requests in writing to [cservice@klmlabs.com](mailto:cservice@klmlabs.com), or call customer service at 800-556-3668 during normal business hours. If a return is authorized, options will be provided. If a return is ineligible, the reason will be specified.