

MANUFACTURER PROFILE

Paris Orthotics Ltd.
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Paris Orthotics Ltd. has provided custom prescription foot orthotic central fabrication services to licensed Canadian health care professionals for over 20 years.

The qualifications of key technicians involved in the manufacturing process include Canadian Board Certified Pedorthists, undergraduate and graduate degrees in human kinetics, kinesiology and biomechanics. Paris Orthotics also has a Professional Advisory Board made up of a Podiatrist, Chiropodist, Pedorthist and Biomechanist. This board provides professional technical oversight of our products and manufacturing processes.

Paris Orthotics Ltd. is accredited by the **Board of Accreditation of Prescription Foot Orthotic Laboratories (BAPFOL)** and is a member in good standing of the **Prescription Foot Orthotics Laboratory Association (PFOLA)**.

MANUFACTURING PROCESS DESCRIPTION

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| Impression methods | Paris Orthotics only accepts “ Anatomical Volumetric Foot Models ” as defined in PFOLA’s Technical Standards Definitions Document. (See reverse for excerpt) |
| Fabrication Process | All Paris Orthotics’ prescription foot orthoses conform to the classification “ Anatomical Custom Foot Orthoses ” as defined in PFOLA’s Technical Standards Definitions Document. (See reverse for excerpt) |
| Materials Used | Shell materials include polypropylene, copolymer or carbon graphite and tri-laminate thermoplastics. Thickness and degree of rigidity is dependent on prescription application and patient body weight. Additions, extensions and top cover materials include EVA, expanded vinyl, neoprene, open and closed cell polyurethane, cork and leather. |
| Questions | Will Roberts, Customer Service Liaison, ext.164 or Christopher MacLean, Ph.D., Director of Biomechanics, ext.158 |



Orthotics

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1. Foot Modeling Definitions

Anatomical Volumetric Foot Model (AVFM). A digital or physical model that captures a person's three dimensional plantar foot anatomy when the foot is non-weightbearing, semi-weightbearing, or fully-weightbearing.

A **digital AVFM** must use actual 3 dimensional data points taken directly from the foot to duplicate plantar foot anatomy. The most common examples include laser 3D scanners, stereo-digital 3D imaging systems, and pin array systems.

A **physical AVFM** captures foot anatomy through direct contact to duplicate plantar foot anatomy. The most common examples are plaster of paris casts or foam impressions taken directly from the foot. Any material or method that uses direct capture of the entire plantar foot anatomy creates an AVFM.

Extrapolated Volumetric Foot Model (EVFM). A digital model that approximates a person's three dimensional plantar foot anatomy through application of mathematical models that extrapolate pressure data, or extrapolate temperature data, or extrapolate light data to form the digital model when the foot is non-weightbearing, semi-weightbearing, or fully-weightbearing. The most common examples are pressure mapping systems, photographs and ink or carbon paper imprinting systems.

2. Orthotic Device Definitions

Prescription Foot Orthotic. An in shoe device that is prescribed by a qualified healthcare professional to brace, support, or protect the foot or part of the foot.

Anatomical Custom Foot Orthotic (ACFO). An in shoe device that is made directly from an Anatomical Volumetric Foot Model (AVFM). The AVFM is modified with the appropriate medial and/or lateral arch fill, lateral column expansion, heel expansion, and intrinsic forefoot and/or rearfoot corrections as defined by the prescribing physician. The entire dorsal surface of said custom device matches the surface of the modified, or corrected, AVFM.

Extrapolation System Foot Orthotic (ESFO). An in shoe device that is made directly from an Extrapolated Volumetric Foot Model (EVFM). The EVFM is modified with the appropriate medial and/or lateral arch fill, lateral column expansion, heel expansion, and intrinsic forefoot and/or rearfoot corrections as defined by the prescribing physician. The entire dorsal surface of said custom device matches the surface of the modified, or corrected, EVFM.

Library System Foot Orthotic (LSFO). An in shoe device that is made from a library of pre-manufactured shells, pre-manufactured corrected positive molds or pre-determined digital shape files.

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