



mason grogan  
**MEDICAL**

MATERIALS • KNOWLEDGE • PERFORMANCE



**MATERIALS INTELLIGENCE®**

# Design high performance and durable orthotics with carefully selected materials and components

Mason Grogan Medical assists Podiatrists, Orthotists, Orthotic Laboratories, Prosthetists and Pedorthists in choosing the right materials to meet the design, performance and production requirements of custom orthotics, prosthetics and pedorthic devices.

With extensive specialist knowledge built over 30 years of sourcing and supplying technical materials from leading global manufacturers, Mason Grogan Medical will help you select the ideal solutions, materials and components for even the most challenging requirements and applications.

## State-of-the-art solutions for any application Prescribe with Materials Intelligence<sup>®</sup>



### Comfort | Support | Correction

We have carefully selected specialist materials that have been developed to meet specific orthotic functions. Comfort, support and correction each requires distinctly different sets of material properties. These can include cossetting, elasticity, tear strength, resilience, rebound rate, resistance to compression, flex and shore hardness. We have the knowledge and materials to guide you in your selection.



### Patient Pathologies

As specialists in materials, we offer the widest range of materials to meet your specific patient pathologies. Whether you are addressing rheumatoid arthritis, metatarsalgia, talalgia, plantar fasciitis or diabetic foot ulcers, we have the right solutions to help you determine the best option to achieve your prescriptive outcome.

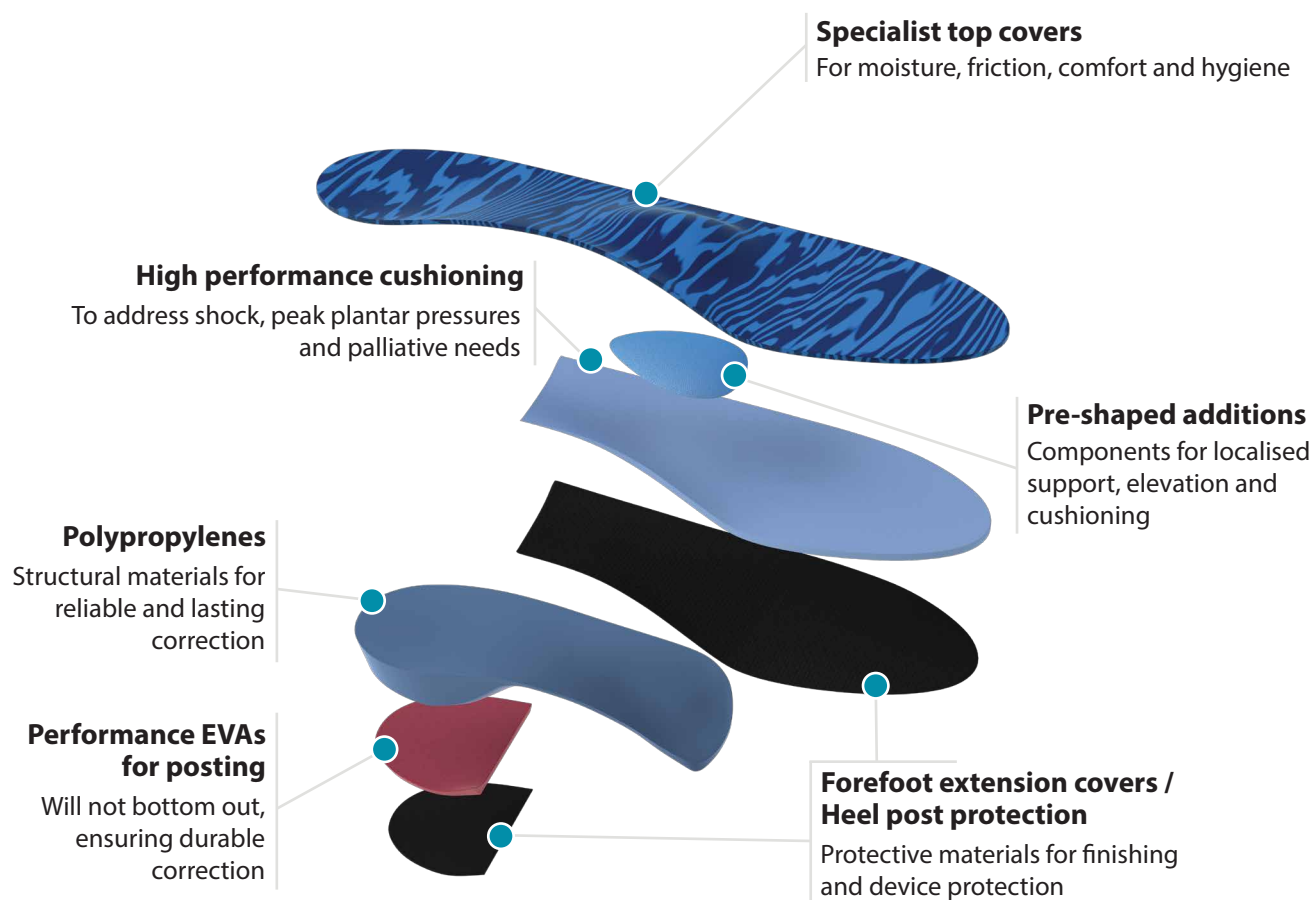


### Sport

Impact attenuation, abrasion and moisture management are often the key concerns for orthotics designed for sporting applications. Our top covers offer high wicking, drying, antimicrobial features and excellent abrasion resistance. Our XRD Extreme Impact Protection represents the latest materials science. XRD is a lightweight, thin and breathable material engineered to absorb up to 90% of high and repeated impact.

# Materials matter

## Provide superior orthotics to your patients



## Precise manufacturing with specialised materials and solutions



### Thermoforming

Orthotics produced by traditional vacuum forming over positive casts require materials that heat uniformly, do not shrink, drape well and hold the formed shape. We offer materials that exhibit all of these features as well as an extensive range of Capron orthotic modules, which comprises combinations of pre-laminated, high performance materials designed to address every application. Capron modules offer significant savings in time, space and cost.



### Milling

Milling has become an increasingly popular method used for the production of orthotics. It requires specialist materials developed for the milling process that will maintain the finished shape and provide continuous support. Our Digisole® products have been formulated with a fine, uniform cell structure and no fillers for a smooth finish, low dust emission and consistent hardness throughout the product. Available in sheets, blocks, pairs and strips from Shore A20 to Shore A60 in a variety of combinations and formats to suit all milling equipment and methods.

# Materials Intelligence®

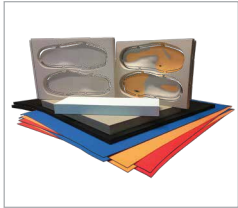
## Global expertise with local knowledge



### PORON Medical® Urethanes

#### Complete range of Footwear and Medical Poron® Grades

Specially formulated for use in medical devices, orthotics and prosthetics, Poron® is compression resistant and will not bottom out even after repeated impact. Featuring outstanding energy absorption, it is breathable and fungal resistant.

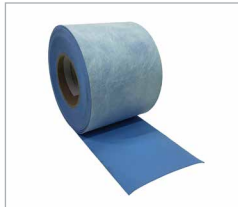


### EVA PUZO

Inventive Elastomers

#### Two ranges of EVA foams for top covers, cushioning, posting and correction

Our premium PUZO range comprises specific formulations to match required applications. These Premium EVAs are fine celled with excellent recovery, durability and elasticity; they are certified to European safety requirements for medical devices. Our Microcell workhorse EVAs are ideal for those seeking standard economic options in 90-450kg/m3.



### Wheels

#### Pre-slit top cover wheels improve yield and production efficiency at reduced cost

Available in a wide variety of microfibres, fabrics and cushioning materials in 12cm width. Wheels are an economical way to purchase top covers, saving space and time.



### Top Covers

#### High performance and durability for comfort and good foot health

Extensive range to address the vast array of patient pathologies, activities, footwear, weight and age. The range includes textiles, synthetics, leather, thermoplastic polymers and cushion covers.



### Direct Moulded Orthotic System



#### Complete system to produce direct moulded custom orthotics

Developed in France by Capron to quickly and easily produce in-clinic custom orthotics. Capron's technology enables comprehensive modification of the device including shape, material positioning, pressure distribution and correction.



### Scan | Design | Mill



#### Sophisticated, yet simple in-clinic system to produce milled orthotics

Scanned 3D and 2D files seamlessly feed into the Voxelcare design and milling software, which operates in the cloud. The orthotics are then produced in the Voxelcare high precision milling machine.



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