



**ENERTOR<sup>®</sup>**  
**MEDICAL**

# **LEADERS IN FOOT ORTHOSES INNOVATION**

**MEDICAL BROCHURE**



ORDER ONLINE AT [WWW.MEDICAL.ENERTOR.COM](http://WWW.MEDICAL.ENERTOR.COM)

EST 1999

# INDEX



RSscan Lab Ltd. is well known for its orthotics division 'Enertor®' and diagnostic technology.

## MISSION

For over twenty years, our mission has been to design and produce orthoses, offering the best possible functional devices combined with exceptional comfort for the Occupational Health and Sports sector. Promoting these through training, support and research for the benefit of the medical professions and patients.

Whether you use foam box, plaster of paris, POP cast, footscan or iPad scanner to capture the foot's profile, we can produce devices to fit into any footwear in either EVA, co-polymer carbon material or polypropylene.

## TOTAL COMMITMENT TO CUSTOMER SATISFACTION

## GUARANTEE

All orthotics shells and top covers are guaranteed against defects in materials and workmanship. Enertor® always select the highest quality of materials to use in all the products and the technicians are highly trained in producing orthoses to meet your prescriptive needs



# DESPATCH TIME

We now offer an improved despatch service on all orders. It is important to know when your order is being delivered so you can easily plan fitting appointments at the time you have your patient in your clinic. We use tracked 24 hour delivery for all orders.

SPEED	DESPATCHED ON
Standard	5th working day
Speedy	3rd working day
Express	24 hours



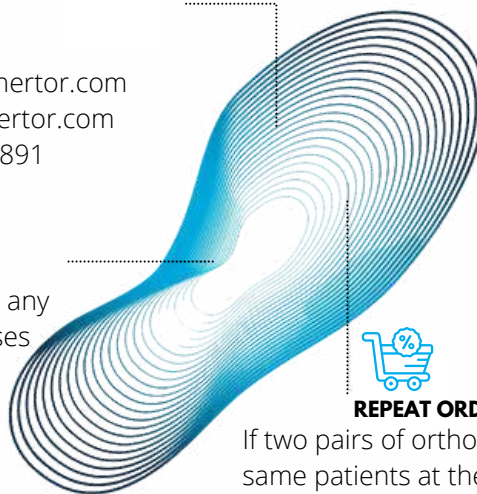
## ORDERING, SUPPORT OR ACCOUNTS

Order 24/7 online  
at [www.medical.enertor.com](http://www.medical.enertor.com)  
email: [orders@enertor.com](mailto:orders@enertor.com)  
or call: 01473 834891



## REFURBISHMENT

We are happy to refurbish any  
bespoke branded orthoses



## REPEAT ORDERS

If two pairs of orthotics are ordered for the  
same patients at the same time or within 6  
months, the second pair will receive a  
discount of 20% off the original order price.



# BESPOKE CO-POLYMER CARBON

**DIRECT MILLED ORTHOSES PROVIDE THE PERFECT FOOT STABILITY WHETHER YOUR PATIENT NEEDS LITTLE, MODERATE OR HIGH CONTROL**



## CLASSIC

- A universally popular device.
- The stabilising heel can be made as an all in one utilising the same material as the shell or you can have an EVA stabiliser to add shock absorption.
- The flex point in this device is located just over the mid-foot area and allows natural flexibility under extreme loading. This device meets the needs of your most demanding patients.

Hiking boots, trainers, roomy footwear



## SLIM FIT

- This device is without a stabiliser attached.
- By choosing the shallow heel cup, your patients can enjoy having your prescribed device into tightfitting shoes.
- As a practitioner, you are not limited by this unique design. All the usual control can be added to this device, with sulcus and full length options available.

Business shoes and tightfitting footwear



## FASHION FIT

- A device with a flat heeled carbon shell covered in 'a thin faux leather top cover as standard, this device comes in 3/4 or sulcus length, so no excess space is taken in the toe box or elsewhere within the footwear.
- Any of the required additions can be added to the device, if space allows and because this device has a full width heel and midfoot and is therefore not compromising the functionality as you would have with a cobra device.

Fashion shoes or high heeled boots and high heels



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## GOLF

- This device has been created working closely with the PGA to allow the improved balance and swing phase action. It has a 1st MET cut-out and stable midfoot.

**Golf Specific**



## RUGBY

- Using the same rationale as the football device and made to sit well within the rugby boot, this device is aimed at the more muscular body often found in this physical sport.
- Padding has been increased under the device to allow pressure redistribution and reduce medial instability under the most testing of conditions.
- Placed below the level of the shell this will not precipitate sweating, or unnecessary bulk within the boot.

**Rugby boots**

# CONDITION RELATED DEVICES



## HEEL PAIN

- A condition specific device milled shell whilst retaining all the functional properties of the Classic device.
- However, with the incorporation of a cushioned heel plug, this device offers good pain relief.

**Hiking boots, trainers, Daily footwear**

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# CONDITION RELATED DEVICES CONT.



## ACHILLES TENDONITIS

- This device is carefully designed to reduce pain / tension on the Achilles where a pair of 5mm heel lift will be provided.
- It has absorbing forefoot extension.

Hiking boots, trainers, Daily footwear



## POST TIB

- Having a higher medial flange will reduce the strain on the posterior tibialis tendon and comes normally as a full length device.

Hiking boots, trainers, Daily footwear



## FHL (THE FLEXOR HALLUCIS LONGUS MUSCLE)

- This device reduces the midtarsal collapse and excessive pronation with a 4mm Kirby Skive.
- Adding to this a 1st met functional cut-out and a PMP bar 2-5

Hiking boots, trainers, Daily footwear



# BESPOKE EVA ORTHOSES

**EVA SHELLS SIT WITHIN THE SHOE WITHOUT A GAP  
BETWEEN THE SOLE OF THE SHOE AND THE FOOT**



## CLASSIC

- This device offers the practitioner four choices of density and control designed to withstand the highest impact test.
- This device is fitted with a PX1 top cover, to provide extra shock absorption and comfort.
- This device has a seamless construction so the most sensitive foot can be accommodated.

**Great for hiking boots / work boots**



## SPORT/ ACTIVITY

- This device gives you all the choices of the classic but with its narrow profile it is designed to fit into tighter sporting footwear.
- This device is ideally suited to football, rugby and basketball, as the EVA provides control and stability whilst the PX1 top layer provides comfort and shock absorption.

**Trainers**



## EVERYDAY

- Many shoes lack the room in the toe box to accommodate a full length EVA device.
- Therefore, a 3/4 length provides a good option to provide control and protection in the heel whilst leaving room in toe box.
- The EVA base comes in up to four different densities and is covered in a faux leather top cover.
- The product is available in a 3/4a (as illustrated), sulcus or full length.

**Any footwear**

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# SEMI-BESPOKE FLEX RANGE

**FLEX IS WIDELY USED WITHIN  
THE NHS AND PRIVATE CLINICS,  
AS A SEMI-BESPOKE DEVICE**

**THE MATERIAL IS A SPECIAL POLYMERISED CARBON  
COMPOSITE, WHICH IS EXTREMELY LIGHTWEIGHT  
WHILST OFFERING A PERFECT COMBINATION OF  
STRENGTH AND FLEXIBILITY, AT A LOW COST**

Using the same material as our bespoke milled orthotics, we produced the FLEX semi-bespoke line.

The material is exceptionally lightweight while delivering the optimum blend of strength and flexibility at a cheap cost to you and your patients. This is a great choice for your patients if they simply need rearfoot correction and one other adjustment.



- **MORE COST EFFECTIVE**
- **WE CAN REFURBISH**
- **WE OFFER A LIFETIME  
GUARENTEE THAT THE SHELLS  
WILL NOT BREAK**

TO DOWNLOAD OUR FLEX PRESCRIPTION FORM, VISIT OUR WEBSITE OR EMAIL [ORDERS@ENERTOR.COM](mailto:ORDERS@ENERTOR.COM)





## FIRST STEPS SPORT - BLUE

**SOLD AS IT COMES OR CAN BE MODIFIED AS A SEMI-BESPOKE DEVICE**

- The First Steps Sport is an EVA insole with 2 degrees of intrinsic rear foot control, a deep cup and it comes with a met dome as standard.
- It has a high level of control and durability. It is also water repellent and resists odour. The Blue device is made of a medium density EVA for up to 95 kg of body weight.
- Comes in three arch heights - LOW(F), NORMAL (FN) and HIGH (N)

**Aimed at the sporting patient**



## FIRST STEPS SPORT - RED

**SOLD AS IT COMES OR CAN BE MODIFIED AS A SEMI-BESPOKE DEVICE**

- The First Steps Sport is an EVA insole with 2 degrees of intrinsic rear foot control, a deep cup and it comes with a met dome as standard.
- It has a high level of control and durability. It is also water repellent and resists odour. The Red device is made of a high density EVA for body weights above 95 kg of body weight.
- Comes in three arch heights - LOW(F), NORMAL (FN) and HIGH (N)

**Aimed at the sporting patient**



## FIRST STEPS SPORT PRO

**SOLD AS IT COMES OR CAN BE MODIFIED AS A SEMI-BESPOKE DEVICE**

- This device offers an ultimate blend of control and comfort made in ultra hard wearing EVA with an extra deep heel cup and high flanges to control and support the foot in a narrow sports shoe.
- The entire device is made using a narrow shank with slightly narrow forefoot to fit into any sporting shoes.
- The forefoot has vents pre cut to ensure good air circulation in the toe box.

**Trainers**



## FIRST STEP PROTECT - EVA

### SOLD AS IT COMES OR CAN BE MODIFIED AS A SEMI-BESPOKE DEVICE

- The device is made with a memory foam top cover which permits slow deformity accommodation and fast pressure off load.
- The top cover is secured to avoid slippage and thus irritation of the high risk foot.

Most Daily shoes



## FIRST STEPS DAILY

### SOLD AS IT COMES OR CAN BE MODIFIED AS A SEMI-BESPOKE DEVICE

- A fantastic stable device that is constructed of polypropylene and covered with 2mm thick poron padding and in black faux leather.
- As standard this device offers; a 2 degree rear foot motion control and 1st and 5th met cut outs to allow for normal forefoot function. 'It can be ordered in a full or a 3/4 length.
- Comes in three arch heights - LOW(F), NORMAL (FN) and HIGH (N)

Daily shoes or Sport



## FIRST STEPS DAILY PLUS

### SOLD AS IT COMES OR CAN BE MODIFIED AS A SEMI-BESPOKE DEVICE

- Constructed of a polypropylene shell and covered in very thin black leather-like material to reduce bulk in the toe box of the shoe.
- A cushioning material has been added in the heel area to offload pressure and also has an additional met dome as standard.

Tight fitting shoes



## CHILDREN - VERY FIRST CONTROL

### SOLD AS IT COMES OR CAN BE MODIFIED AS A SEMI-BESPOKE DEVICE

- This device gives more control and stability to a small child with high medial and lateral flanges and a deep heel cup.
- It has good mid-foot support and is made of a low density EVA for comfort.

Very young children from size UK K8 (6,5cm long)



## PX1<sup>®</sup> INSOLE

- Made of pure PX1 shock absorbing material, which offers double the shock absorption per mm versus the leading competitor.
- It is lightweight, durable and extremely comfortable.
- Ideal for arthritic, rheumatoid and diabetic conditions.
- The device is 8 mm thick in the heel tapering to 3.8mm in the forefoot.

Daily footwear

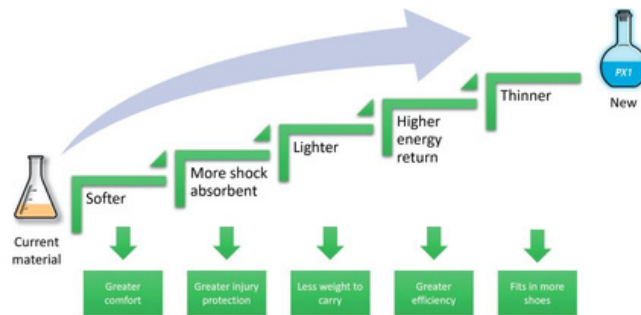


# PX1®

After extensive trials and testing with elite athletes from around the World, EnerTOR® is pleased to announce the launch of its newest insole and flat sheets in PX1® for the Orthoses market.

Designed and manufactured in Britain. PX1 is a revolutionary, durable, shock absorbing material that can reduce the shock by up to 60% to protect against pain and injury.

There is a high need for underfoot material which is lighter and thinner but still provides high levels of shock absorption to protect against injuries.



## PX1® DELIVERS OUTSTANDING IMPROVEMENTS IN 5 CRITICAL AREAS:

1. Greater shock absorption
2. Improved softness
3. Reduced thickness
4. Reduced weight
5. Greater energy return

**PX1® HAS BEEN DEVELOPED TO MEET THE HIGH DEMANDS FROM PROFESSIONALS ASKING FOR SHOCK ABSORBING MATERIALS WITH LESS BULK AND HIGH DURABILITY.**



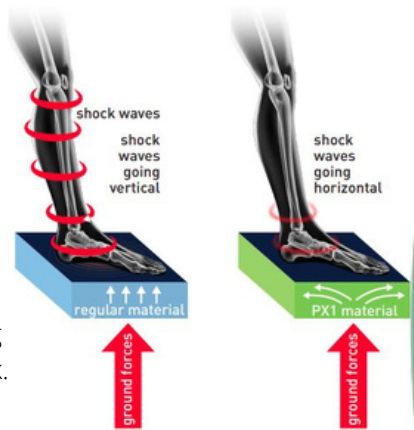
# HOW DOES PX1® DELIVER SUCH GREAT SHOCK ABSORPTION?

PX1® is a proprietary co-polymer material formulated specifically for insoles and orthotics applications, which contains a unique mix of hard hydroclusters linked with soft chains.

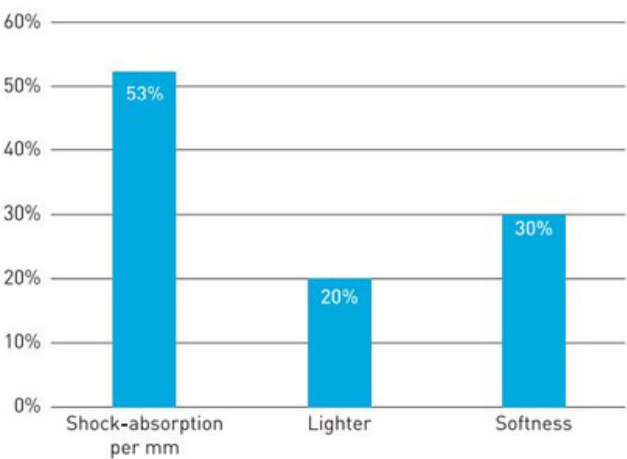
The soft areas ensure comfort, while the hard hydro clusters absorb and dissipate impact energy when walking or running, reducing the shock to lower limb, hip and back.

This combination responds smartly to the changing pace of life all day long by providing comfort as well as excellent shock absorption, and significant fatigue and injury reduction.

This is how PX1® can deliver both comfort and protection for all walks of life.



PX1 v Leading Competitors



## JUST HOW GOOD IS PX1® TECHNOLOGY?

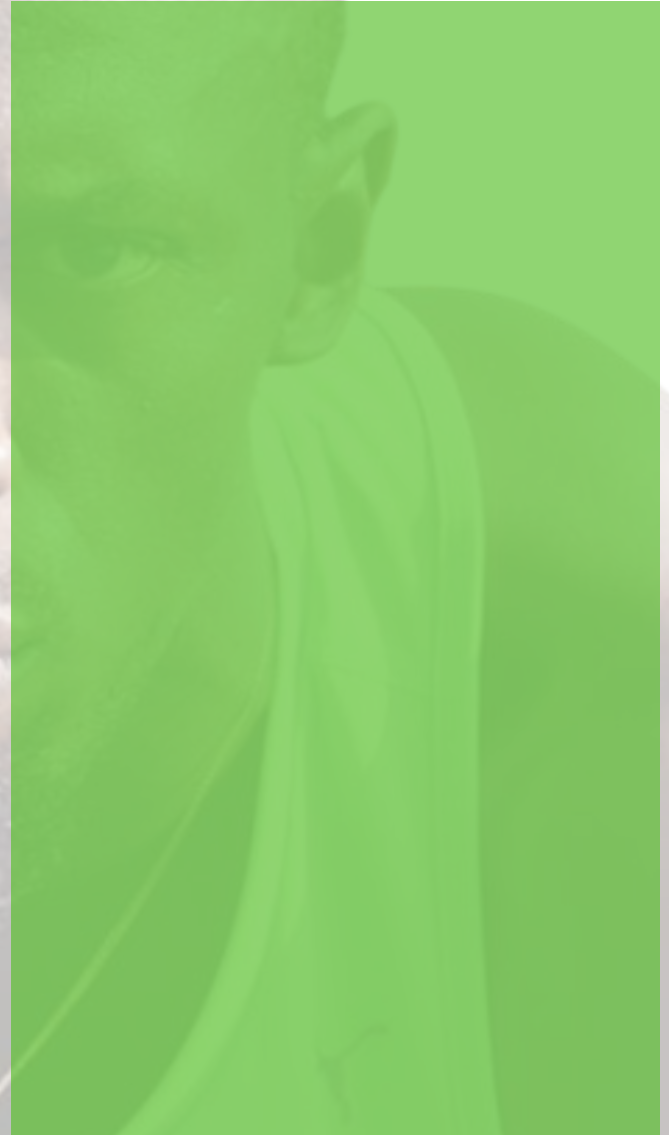
The technology is used by elite athletes from Premier League Footballers and Olympic Athletes including Usain Bolt. After extensive scientific testing we are confident that your patients will also benefit.



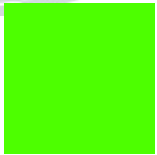
## MOST COMMON FOOT PATHOLOGIES AND PRESCRIPTION OPTIONS

Pes planus / pronated foot type	Rearfoot Varus
Flexible pes cavus / Flexible supinated foot type	Rearfoot Valgus
Plantar Fasciitis	Deep heel cup with a Plantar Fascia groove
Heel pain	Heel pad
Heel Spur	Heel pad spur or/and heel pain device
Increased control of the rearfoot	Kirby Skive, also known as Heel Skive
Rigid forefoot varus	Adds biomechanical stability to 1st ray
Leg length discrepancy	Add heel raise to the shortest leg
Increase biomechanical midfoot	Reinforce under fill
Pes Cavus	Valgus Filler and good control
Functional Hallux Limitus	1st MPJ cut-out
Functional First Ray	1st Ray cut-out
Metatarsalgia, Neuroma, Capsulitis	Met dome / Neura Pad

**USAIN BOLT**



## WHAT MATERIALS TO USE FOR YOUR PATIENT'S ORTHOTICS- TOP COVERS



### PX1®

PX1 is our ground-breaking shock-absorbent material. The material can be used as a top cover or for padding. We recommend pairing the PX1 with either Elite or Topflight as a top cover. PX1 is also utilised as an underfill for cushioning, bringing the material closer to its natural state and offering excellent shock absorption.



### PORON 94 PINK

commonly used to offload and cushion sensitive areas under the foot. Can also be used as a top cover option and is lighter and softer than both Poron Onyx black and Poron 4000  
Available in 1.6mm, 3.2mm and 6.4mm



### SMART PERFORM

Made entirely of breathable microfibres, and it replaces leather while having a lower environmental effect. Antibacterial and antimicrobial, with no unpleasant odours. Between the shell and Smart Perform, any extra material is possible



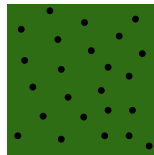
### AQUA MARBLE EVA

A shore 35 EVA. Commonly used as a soft top cover option



### ELITE

Used as a vinyl topping to any of our top cover choices to add a plush professional finish. Can also be used on its own to minimize any bulk, especially on  $\frac{3}{4}$  length devices - 0.5mm in thickness



### PERFORATED EVA

Ideal for hot sweaty feet. The perforated holes allow for better airflow, helping the foot stay cooler and reduce sweating.



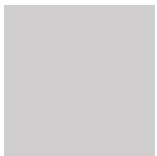
### PORON ONYX BLACK

Commonly used in combination with our Elite layer to create our Elite with poron. This material is also used as our lab standard material for all padding options. The standard poron thickness used is 1.6mm - Available in 1.6mm, 3.2mm



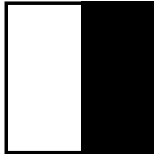
### LUNASOFT EVA

Durable EVA with a medium to low level of cushioning. Because of its high water resistance, this material is good for active feet



### PORON 4000

an additional option for top covers or padding applications on request. This material is grey in colour and offers a slightly stiffer feel compared to Poron Onyx black  
Available in 1.6mm, 3.2mm and 6.4mm



### HIGH DENSITY EVA

Used for forefoot and rearfoot posting as well as being used for rearfoot stabilizer blocks on, fully bespoke, Flex Range and semi bespoke (if requested)  
Available in both White and Black

