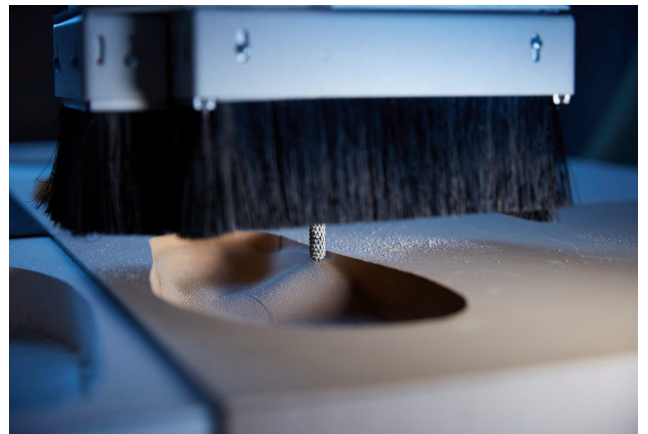




Bespoke Orthotics for Children and Adults

Information Leaflet

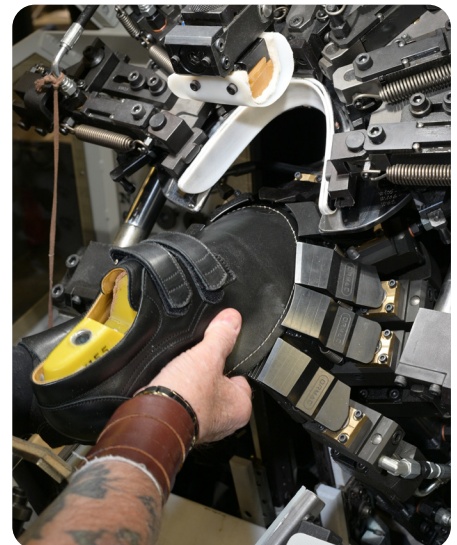


About Orthotics

Orthotics is a specialist medical discipline which focuses on the use of external devices applied to any part of the body in order to prevent or correct deformity, promote or improve function of the affected area or assist in the reduction of pain. A clinician that practices within the field of Orthotics is called an Orthotist.

Orthotists are trained to conduct in depth physical examinations of the body to determine what orthotic device might help to treat any of the following complaints:

- Accommodation, correction or prevention of physical deformity
- Stabilisation of joint range of motion
- Reduction of pain and improvement of activity level
- Management of alignment
- Reduction to risk of injury



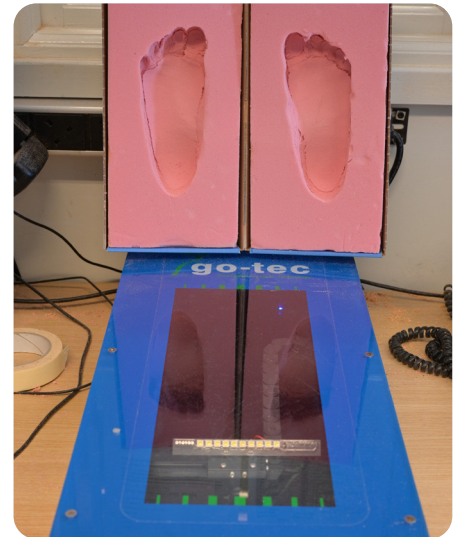
- Halo Medical have a team of experienced clinicians, and a manufacturing and product portfolio to cover all aspects of treatment. We at Halo tailor every consultation to the needs of the individual considering all circumstances and setting realistic goals.
- Our Orthotists work to supply devices that support the body, encourage active lifestyles, and reduce pain or pathological developments.
- Halo Medical use a combination of made to measure and off the shelf devices to ensure optimum treatment and comfort. Digital scanning and computer aided manufacture of insoles and braces ensures that our Orthoses are manufactured to a high degree of accuracy.



Assessment

What is a Biomechanical Assessment?

- Orthotists are trained to carry out a thorough biomechanical examination to ascertain the best possible clinical solution for the symptoms a patient may experience.
- **Static** – This is an assessment of the body when not in motion and can be either weight bearing or non-weight bearing. It allows the Orthotist to observe any unusual joint positions, review joint range of motion and check for muscle strength.
- **Dynamic** – This is a weight bearing assessment of the body whilst in motion and allows the Orthotist to observe whether there are any unusual joint positions or movements during gait.



Conditions treated by Halo Medical Orthotists

- The team at Halo Medical are specialists in the assessment, measurement and prescription of orthopaedic footwear to accommodate, stabilise or control foot alignment for optimal gait and tissue protection.
- Halo Medical enjoy supporting patients with diabetes and rheumatology conditions to protect their feet, reduce the risk of ulceration and manage pain and neuropathy (lack of sensation in the feet).
- Patients suffering from the following conditions will benefit from an orthotic assessment:

Neurological	Biomechanical
Stroke or CVA	Osteoarthritis of any joint
Multiple Sclerosis	Tibialis posterior dysfunction (PTTD)
Cerebral Palsy	Injury to knee ligaments
Polio and post-polio syndrome	Pes Planus
Brain Injury	Hallux Rigidus or Limitus
Spina Bifida	Sports Injuries
Guillain Barre Syndrome	Traumatic Injuries
Muscular Dystrophy	Leg length discrepancies
Drop Foot	Hallux Valgus/Bunions



Advanced Technology

At Halo Medical we utilise the most up to date and advanced 3D scanning technology and software. By using the Structure Sensor Pro, the scan can now be taken in the clinic, resulting in extreme accuracy and precision.

Treatment

Orthotic treatment for children

Halo Medical specialise in the orthotic treatment of children. Insoles are customised to stabilise and control foot alignment during standing, walking and gait, helping to reduce pain and risk of injury. Ankle Foot Orthosis are prescribed to influence joint alignment, stretch muscles, aid with balance, control pain and ease walking difficulties.

We offer helmets for head protection for children suffering with seizures or behavioural self-harm issues.

The list below gives a brief overview of the wide scope of conditions in which an orthotist assessment can be helpful.

Spina Bifida	Post SDR Rehab
Muscular Dystrophy	Brain Injury
Epilepsy	Autistic Spectrum Disorders
Symptomatic flat feet	Tip toe walking
Hypermobility	Cerebral Palsy
Sports Injuries	Severs Disease

- A Halo medical orthotist will be able to give a thorough assessment and ease anxiety of any concerned parents and advise on the best intervention depending on a child's symptoms, alignment, range of motion and activity ability with a focus on the child's treatment goals.
- Following selective Dorsal Rhizotomy, a surgery which can be performed on a child that suffers with spastic cerebral palsy to reduce spasticity, often intense orthotic intervention is required along with physiotherapy to ensure that the child is utilising this reduction in spasticity to the best of their ability. Halo Medical have a proven track record working alongside other allied health professionals to successfully treat this complex patient group.
- Our orthoses are designed with comfort, function and performance in mind, ensuring they are unique to each individual patients' requirements and fine-tuned at the time of delivery. Often adjustments to heel wedges or footwear are made during a supply appointment to optimise alignment and biomechanics of the orthotic device.



Contact Us

Halo Medical are currently offering private clinics at the Head Office in Aldershot, The Halo Medical Factory in Wellingborough and in Overbury (West Cotswolds). For any further information or to book an assessment please contact us at: enquiries@halo-medical.co.uk