



TECTUS®

EMBRACE THE NEXT STEP

Tectus® is a slim, lightweight microprocessor controlled orthotic device. This life changing technology allows people with impaired mobility due to partial paralysis in their lower limbs to regain their mobility and walk again.

Key Features



Superior Comfort

Tectus® is small and lightweight. At just 660g, the modular design allows comfortable and flexible positioning to accommodate any thigh size.



Enhanced Safety

We believe in safety by design. Tectus® is clinically proven to reduce trips and falls, decrease fatigue whilst walking and improve mobility¹. Our features put safety first - from superior battery life to intelligent standing support.



Pioneering Technology

Designed with unique Performance Response Technology (PRT™) from Blatchford, Tectus® achieves new levels of biomimicry. The unique combination of spring, hydraulic, sensor and microprocessor technology allows wearers to replicate a more natural walking gait, resulting in greater symmetry and more even loading¹.



Unrivalled Support

Practitioners can count on full support from Blatchford. Our certification programme covers the entire bracing journey and beyond - from initial evaluation to prescribing, programming, physiotherapy and follow-up.



1. Blatchford Tectus Case Study, May 2023, Document 1418.v1, Vanessa Walters

Blatchford

Enhanced Features Explained

Performance Response Technology™	Tectus® uses Blatchford's Proprietary Performance Response Technology™ (PRT) to mimic the natural function of the knee joint, resulting in life-changing mobility. The unique system of spring, hydraulic and sensor technology allows wearers to replicate a more natural walking gait.
Tectus® Modes	Across 5 operating modes, Tectus® has everyday activities covered. Wearers can go from descending stairs to standing in queues with ease. Change walking speeds, sit, stand, lock - it's all possible at the touch of a button. Unlike other microprocessor KAFOs, wearers can switch between modes using a discrete remote control, or via buttons on the conveniently placed Tectus® module, giving wearers effortless and complete control.
Digital Display	The discreet digital display allows the wearer to view modes, battery status, step count and safety warnings at a glance.
Modular Design	Full customisation to each individual wearer. Position the battery unit anywhere on the thigh to fit the patient's unique limb shape.
Battery Life	Our fully rechargeable battery offers over 18 hours of continuous usage, and quick charges from 0% - 100% in under 2 hours.
Spring Assist	Unique adjustable control feature, assists both heel rise dampening and the mid to terminal swing phase knee extension
Minimally Invasive	Small and lightweight, the microprocessor module weighs just 660g, making it comfortable and minimally invasive.



Technical Specification

Activity Level:	All Activity Levels
Minimum User Weight:	50kg/110lbs
Max User Weight:	100kg/220lbs*
Hip Flexion:	2+, Oxford scale
Component Weight:	Tectus® Module: 660g (1lb 7oz)
Battery Type:	Rechargeable Ni-MH 950mAh 6V
Time to Full Charge:	2 hours
Battery Life:	Approximately 1 day (18 hours of continuous usage)
Warranty:	36 months
IP Rating:	IP54

* Including carrying weight

Ordering Information

Please order:

TEC-L-KIT for left leg

TEC-R-KIT for right leg

These kits include all components required excluding ankle joint and KAFO brace materials.

USA reimbursement code: L2006.

Tectus® is protected by Patent No 2566310.

Multi-functional ankle joint shown is for illustrative purposes only.

www.blatchfordmobility.com

Suitable for outdoor use

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View Tectus® online