Sidra LEG

EGZOTech

The world's only two-motor rehabilitation robotic exerciser with synchronised electrostimulation and electromyography triggered lower limb movement.

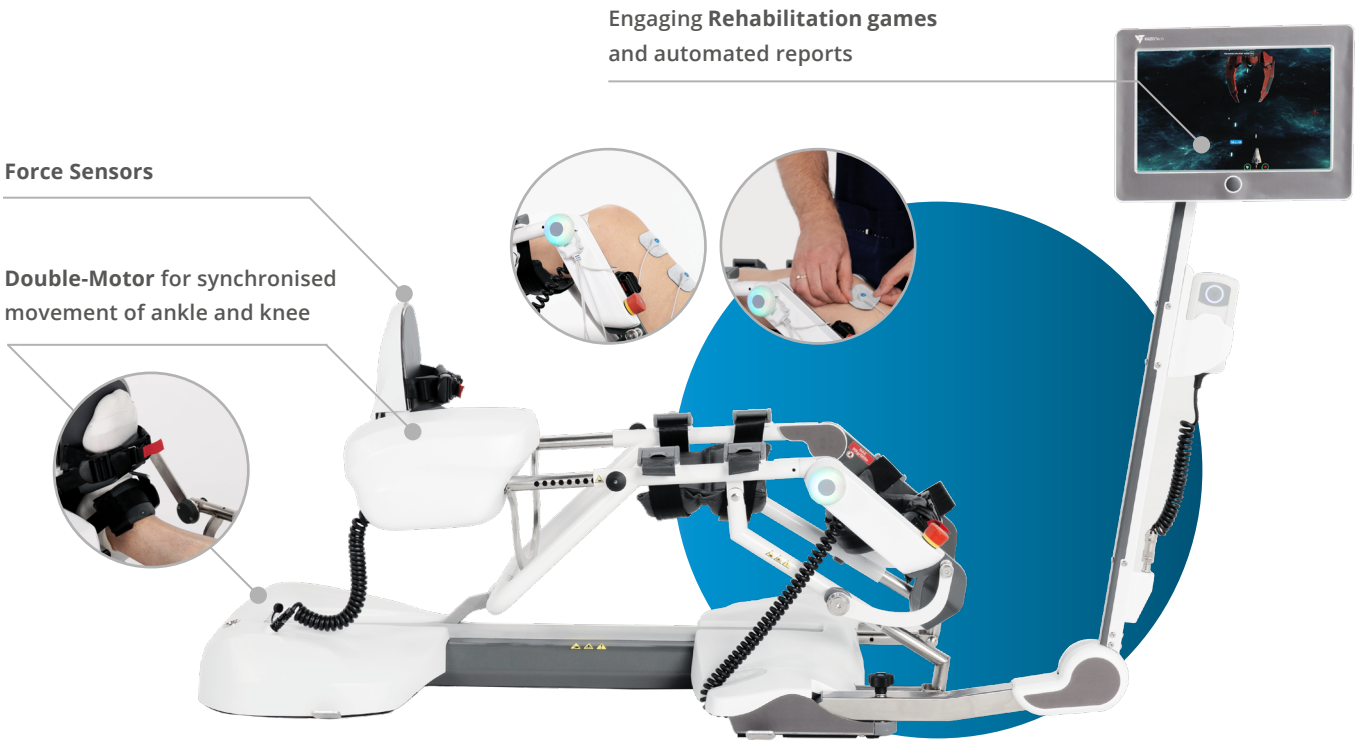
For both training and assessment with 4-channel EMG/EMS

- Continuous active motion (CAM)
- Continuous passive motion (CPM)
- EMG-triggered robotic assistive movement
- Electromyography measurement and biofeedback (EMG Biofeedback)
- Electrical muscle stimulation (EMS)
- Electromyography triggered electrical muscle stimulation (EMG+EMS)

Length-adjustable and extension interchangeable for adults and pediatric applications in all stages of rehabilitation (MMT/ Lovett scale from 0 to 5).

UNIQUE FEATURE

- Synchronised movement of ankle and knee at the same time to help patients to re-learn correct gait movement pattern.
- Engaging Rehabilitation games and automated reports
- Double-Motor for synchronised movement of ankle and knee
- Force Sensors



ASSESSMENT FEATURES TO EVALUATE

- MUSCLE ACTIVITY
- RANGES OF MOTION IN ISOLATED JOINTS AND PLANES
- MAXIMAL MUSCLE STRENGTH
- Free rotation movement with possibility to lock the mechanism in a given position
- Added motors with goniometer
- Force sensors for plantar flexion/dorsi-flexion and push/pull

INTENDED USE FOR NEUROLOGICAL AND ORTHOPAEDIC PATIENT

- Helps to relearn voluntary motor functions of the lower extremities
- Maintaining or increasing range of motion
- Measurement evaluation and increase of lower limbs strength
- Birlaxation of muscle spasms
- Prevention or retardation of disuse atrophy
- Increasing local blood circulation
- Easy to use with pre-set therapeutic protocols and automatic report availability
- Offline and online options with telemedicine and telerehabilitation.
- Engaging rehabilitation games for patients

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