



DESCRIPTION

Lower limb assistive exoskeleton.

FUNCTIONS

Walk, sit down, stand up, walk up and down, slopes and stairs.

OPERATION MODE

Assists as needed, predefined movement patrons.



HANK Exoskeleton



Easy to set up, ready to walk in less than 3 minutes, users can put it on without assistance.

Rehabilitation, lower limb mobility recovery for different pathologies: Spinal Cord Injuries, Acquired Brain Damage.

Managed by therapist through an APP on tablet PC or Smartphone. Personalized patient progress reports for walking curves, force, level of assistance, number of steps, speed, ...

Possibility to use EMG and EEG signal to command the exoskeleton.

Movement assistance for people with difficulties to move, elderly people, people with degenerative illnesses (Ataxia, ELA, Parkinson, ...)

MAIN TECHNICAL CHARACTERISTICS:

- Adapted to people from 1,5 m to 1,95m tall; and from 40 Kg to 100 Kg weight.
- 6 motorized degrees of freedom in sagittal direction (Hip, Knee, Ankle), 2 mechanical in lateral direction (Hip)
- Mechanical self-standing.
- 35 Nm torque in each articulation.
- 4 hours battery (Li-Fe) duration in operation, equivalent to 10 Kms walking distance.
- Recharging time: 20 minutes.

TaylorX:

- Possibility to personalize the exoskeleton orthotics and cover textiles.
- 2 years guarantee
- Possibility to contract 48 h reposition service.

CONTENTS:

- 1 exoskeleton.
- 2 foot plant (EU size 35-40 and Eu Size 40-45)
- 2 battery packs.
- 1 Battery charger.
- 1 clutches set.
- Tablet PC.
- Exoskeleton management software.
- Operation Manual.
- Transport box.