

Meet the new ACX.Rehab concept

Telko – lower limbs functional rehabilitation with Patient Workstation

Assures the therapy of neuromuscular disorders based on active training of lower extremities in closed kinematic chain in virtual reality environment and with elastic resistance by rubber elastomers

Possibilities:

- evaluation of the amplitude (range) of motion
- 3 joints flexion / extension
- lower limb proper load distribution training and assessment
- patient is encouraged to work with equal weight distribution on both legs
- therapeutic games in virtual reality environment.



Rubber elastomer resistance features:

- elimination of inertia applied force
- resistance is smoothly increasing during the movement, proportionally to motion amplitude
- reliability: rubber elastomer's long wearing out period 10 000 cycles



Multiple planes of feet movements

The device also uses integrated two grided dynamographic platforms that extends the training with balance and coordination exercises.

Adjusting the device to the user's body:

- smooth adjustment of the backrest angle up to half-sitting position by a gas spring
- seat length position adjustment along the seat base
- stabilizing fixation of the foot to the footrest by a strap
- adjustment of each footrest angle
- adjustable foot support along the footrest

Well thought-out design: equipped with

- a special place for elastic bands storage
- device position locking for a safe exchange of elastic bands
- two wheels for easy relocation of the device

Device dimensions: 1890 x 580 x 1170 mm

Wireless communication of the device sensor with Patient Workstation



Patient Workstation provides the integration into a single operation platform and the interconnection with Central Therapist Workstation for assessment, control and set-up of therapeutic sessions

Observation of the patient test's performance results in live time

Wired & wireless connection and integration with Central Therapist Workstation

Mobile stable stand on 4 wheels with brakes.

Monitor: color display, 43 inches or more (additional sizes available upon individual requests)

PC computer (more advanced parameters available upon individual requests):

- Windows 10, 64 bit
- Processor 2 GHz
- RAM: 8 GB
- Integrated graphics card
- Integrated network card for Wi-Fi & LAN communication
- 2 x USB (3.0) / 2 x USB (2.0)
- wireless keyboard & mouse