

Meet the new ACX.Rehab concept



X-Visio – immersive virtual reality rehabilitation system with User's Workstation

This complex system is designed to perform active rehabilitation training using software that uses virtual reality, combined with virtual goggles and hand controllers. Thus, X-Visio system uses immersive virtual reality technology for:

- sensory-motor rehabilitation, improving coordination and sensory functions
- supporting the treatment of nervous system diseases
- prevention of mental health and sleep disorders
- tension relieving in situations of emotional overloading

Benefits:

- multi - plane exercises : exercises involving the movement of the entire body in an isolated, safe immersive virtual reality environment
- improving coordination and motor functions
- improving cognitive abilities
- strength and range of motion training
- holistic rehabilitation for persons with various types of neurodevelopmental disorders
- increasing commitment and motivation to exercise regularly



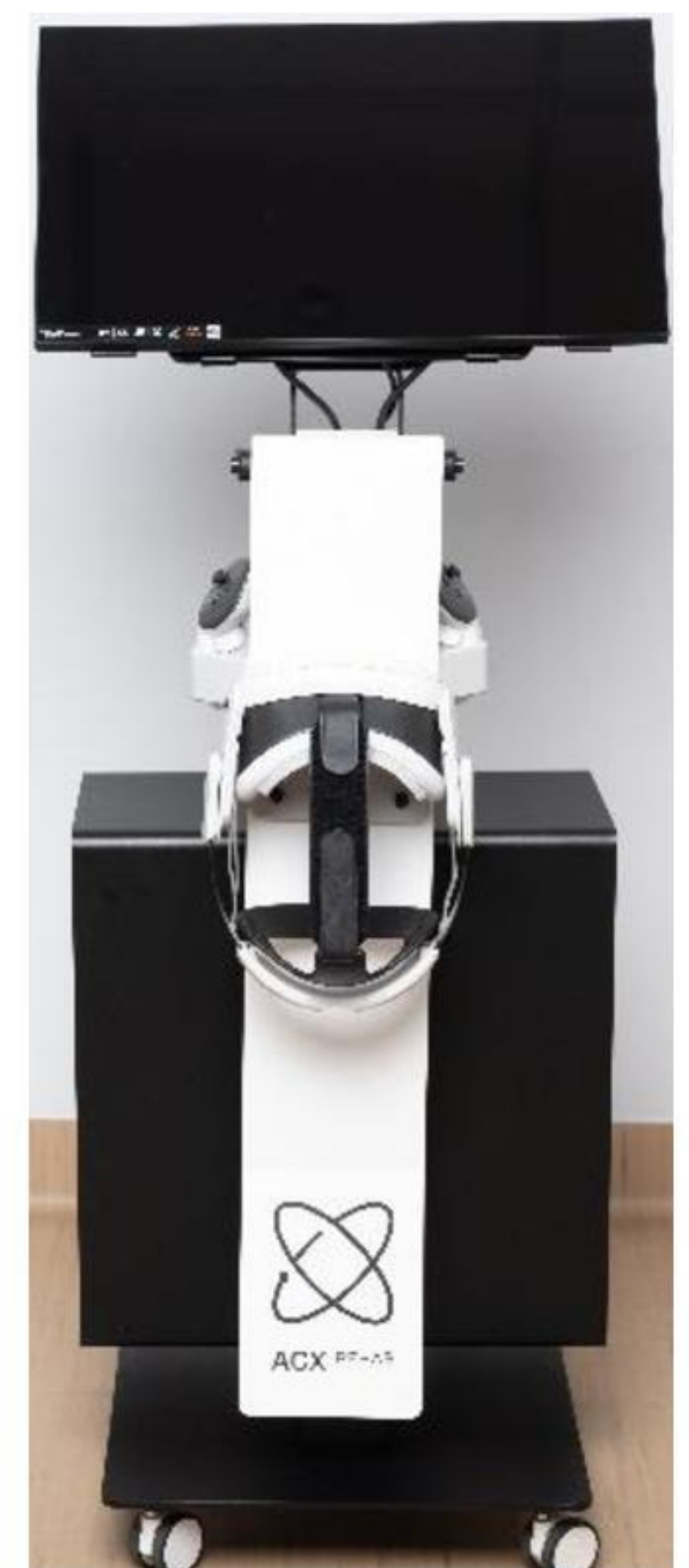
Rehabilitation games in virtual reality environment

Assessment and Evaluation:

- Dynamic test
- Speed test
- Movement precision tests
- Stability test
- Go-NoGo test

System versions:

- Basic version: 1 VR goggles and 1 pair of hand controllers
- PRO version: 3 VR goggles with 6 hand controllers





VR goggles

- built-in memory: 512 GB; DRAM: 8 GB
- display: 4k+. Refresh rate: 72, 90, 120 Hz. FoV (HxV): 110° x 96°
- built-in cameras: IR – 4 pcs, RGB – 2 pcs
- connectivity: Wi-Fi, USB-C, Bluetooth
- power supply: by rechargeable battery

Wireless communication of the VR goggles with User's Workstation

User's Workstation provides the integration into a single operation platform and the interconnection with Central Therapist Workstation for assessment, control and set-up of dedicated sessions

Observation of the user 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