

Ultra+

FEATURES OF THE DEVICE

1. Portable device powered via USB port
2. Safe and easy to use
3. The system includes a PC with the software suite preinstalled and an electrically height-adjustable table
4. The software suite includes rehabilitation games, assessment exercises, data analysis of patient's performance
5. Quantitative and objective assessment
6. Suitable for telemedicine application
7. The device shares interface and database with all other Humanware devices



Humanware is a spin-off company of Scuola Superiore Sant'Anna Pisa and has been developing medical devices since 1996.

Patented medical device compliant with Council directive 93/42/EEC - B type

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For an efficient rehabilitation

Ultra+



Ultra+ is a new device for upper limb recovery developed by Humanware. Targeted rehabilitation exercises are proposed to the patient for a more precise and more entusing therapy, providing the therapist with a powerful tool to quantitatively assess the patient's improvement.

Benefits for the patient

The patient is motivated by means of the rehabilitation in a virtual environment: the **entusing games** make the functional recovery easier.

At the end of each session the patient can check his/her progresses: the objective quantitative assessment **motivates the patient**.

Benefits for the therapist

The device provides the clinicians with a tool for an **objective quantitative assessment** which can be used to evaluate the progresses and to customize the therapy protocol for each patient.

The patient can **autonomously** execute the proposed exercises and thus the therapist can treat several patients at the same time.



Ultra+ is a portable device which measures position and speed of patient's hand at any given moment.

The device is conceived for the rehabilitation of shoulder and elbow; the system is provided with a software suite developed by Humanware for a more entusing functional recovery.

During the training, the device measures with high precision all the kinematic parameters of the patient's movement.

Ultra+ is a member of the family of rehabilitation devices by Humanware. **Ultra+** can work synergically with Motore to achieve a more effective functional recovery of the upper limb.



The software suite includes games to train sensory-motor control, cognitive games and daily activities simulations for **functional recovery**.

The software also includes data analysis and visualisation of the values recorded during the training: the evaluation results are calculated and recorded at the end of each exercise and can be retrieved at any moment from the patients' database. The progresses can be monitored and evaluated.

The range of motion is assessed with specific exercises and the major assessment scales are integrated in the software.

Ultra+ is used for:

- Neuro-rehabilitation
- Post-stroke rehabilitation
- Cognitive recovery
- Orthopaedic rehabilitation
- Sports medicine