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Armotion

the latest advancement in occupational therapy

Armotion is an innovative robotic solution in the treatment of severe and moderate neuromuscular dysfunction of the upper extremity. It maximizes the patient's capability to undertake personal self-care and domestic tasks, by rebuilding functional ability and required skills for independence in daily life.

Advantages and benefits of using the Armotion

Armotion vs conventional therapy

- Data collection and reporting
- Patient performance monitoring
- Consistent and repeatable movements

Armotion vs other robotic devices

- Quick setup and start of therapy
- Compact and portable design
- Force feedback and force multiplier

Unique therapy and treatment options

Armotion's unique force feedback and force multiplier features detect and react on patient movements, maximizing the effect of each therapy session. The patient's cognitive ability is enhanced by multiple functional ADL-related game types using passive and innovative active-assistive therapy options.

Passive mode

Consistent and repeatable movements allow early-stage patients to safely experience and benefit from a variety of intensive, repetitive functional exercises, ensuring a higher quality of treatment.

Active-assistive mode

The active control of the patient's force and direction of movements in accomplishing required tasks results in augmented awareness for earlier therapy successes.

Visual feedback and cognitive training

Equipped with a PC and screen, the Armotion provides visual feedback to improve the patient's cognitive training in memory and sequencing to complement gains in movement and strength. The patient's motivation is increased by the competitive nature of multiple ADL-related games.



Robust data collection, evaluation and reporting

Armotion offers the possibility of real-time data monitoring to optimize individual therapy sessions and acquire accurate data for research and reimbursement purposes. An intuitive and user-friendly software interface allows to export and store patient data and therapy progress.

Increase functional recovery

The Armotion's concept allows early stage patients to get the full therapy effectiveness. The working surface can easily be customized to the patient's functional ability, continuously increasing the range of motion of the upper extremity over time.



Technical data and dimensions

Length	49 cm (19.3")	Weight	15 kg (33 lbs)	Exerted force max	50 N
Width	32 cm (12.6")	Communication mode	bluetooth (wireless)	Power consumption	150 W
Height	18 cm (7.1")	Power supply	rechargeable batteries		