

WE MOVE YOU



Armeo®Spring

**SUPPORTING
THE RECOVERY
OF ARM AND
HAND FUNCTION**

SELF-INITIATED MOVEMENT THERAPY

By providing arm weight support, the **ArmeoSpring** enables patients to use any remaining motor function and encourages them to achieve a higher number of reach and grasp movements based on specific therapy goals.

Also available as **ArmeoSpring Pediatric** for children to support functional therapy for patients at the age of about 4-12 years who have restricted function in their upper extremities.



LEARN FROM YOUR PEERS!

For more information about Clinical Evidence, Education and Experiences with Hocoma solutions visit knowledge.hocoma.com

SIMULTANEOUS ARM AND HAND THERAPY IN A 3D WORKSPACE

The ArmeoSpring allows simultaneous arm and hand training in an extensive 3D workspace with six degrees of freedom.

INCREASED THERAPY EFFICIENCY

The ArmeoSpring enables therapists to deliver higher training efficiency (more hours per day) thanks to self-directed therapy, which may lead to better long-term outcomes.

ERGONOMIC EXOSKELETON

The ergonomic and adjustable exoskeleton of the ArmeoSpring embraces the whole arm, from shoulder to hand, and counterbalances the weight of the patient's arm.

OBJECTIVE ASSESSMENTS

The ArmeoSpring precisely records how patients perform during their therapy sessions.

MOTIVATING EXERCISES

An extensive library of motivating game-like Augmented Performance Feedback exercises has been designed to train core movement patterns that are commonly used in activities of daily living.

PART OF A MODULAR THERAPY CONCEPT

The ArmeoSpring is part of the unique and modular Armeo Therapy Concept, the world's first upper extremity concept that covers the whole "Continuum of Rehabilitation" with one software platform throughout a range of devices, each developed for a specific stage of rehabilitation—from early rehabilitation to long-term recovery.





WHAT EXPERTS SAY

Prof. Dr. Volker Hömberg

Neurology Director, SRH Gesundheitszentrum
Bad Wimpfen, Germany

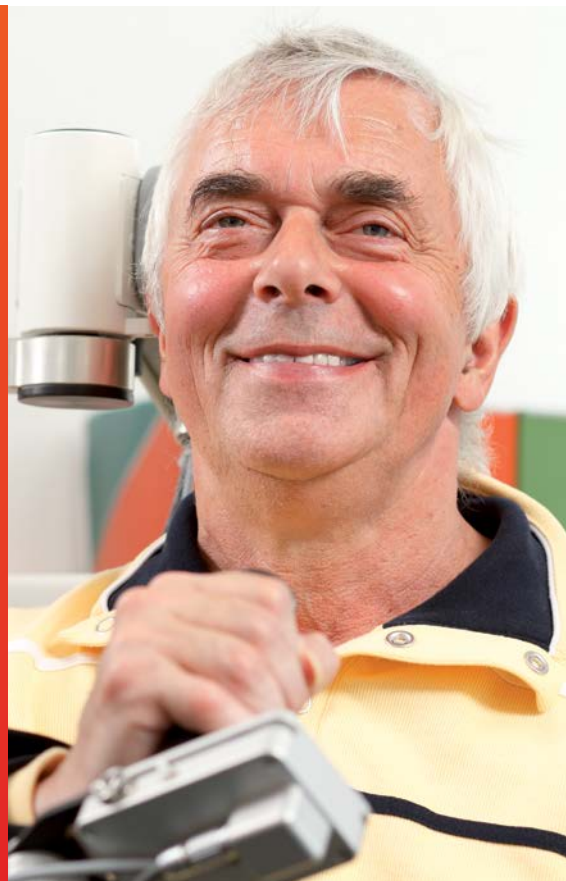
“ Recovery after brain injury is still not fully understood, but we know one thing for sure: training intensity is the biggest driver of neuroplasticity and motivation is an absolutely crucial element of successful rehabilitation. Armeo supports this in the best possible way. Thanks to Armeo training, our patients are motivated to achieve a higher number of repetitions. In the long run, they will achieve a faster recovery and improved outcomes. ”

WHAT PATIENTS SAY

Hans-Jürgen Bischofs

Patient 20 years post-stroke

“ I went to occupational and physical therapy to improve function in my right arm, but without any remarkable progress. Almost 20 years after the stroke, I started working with the ArmeoSpring. Only then did my progress pick up speed. I like the feedback that I get from the ArmeoSpring a lot. Although the training is challenging, it's also great fun and after only a few training sessions I can actively use my arm again. ”



Arm Weight Support
in an Extensive 3D Workspace

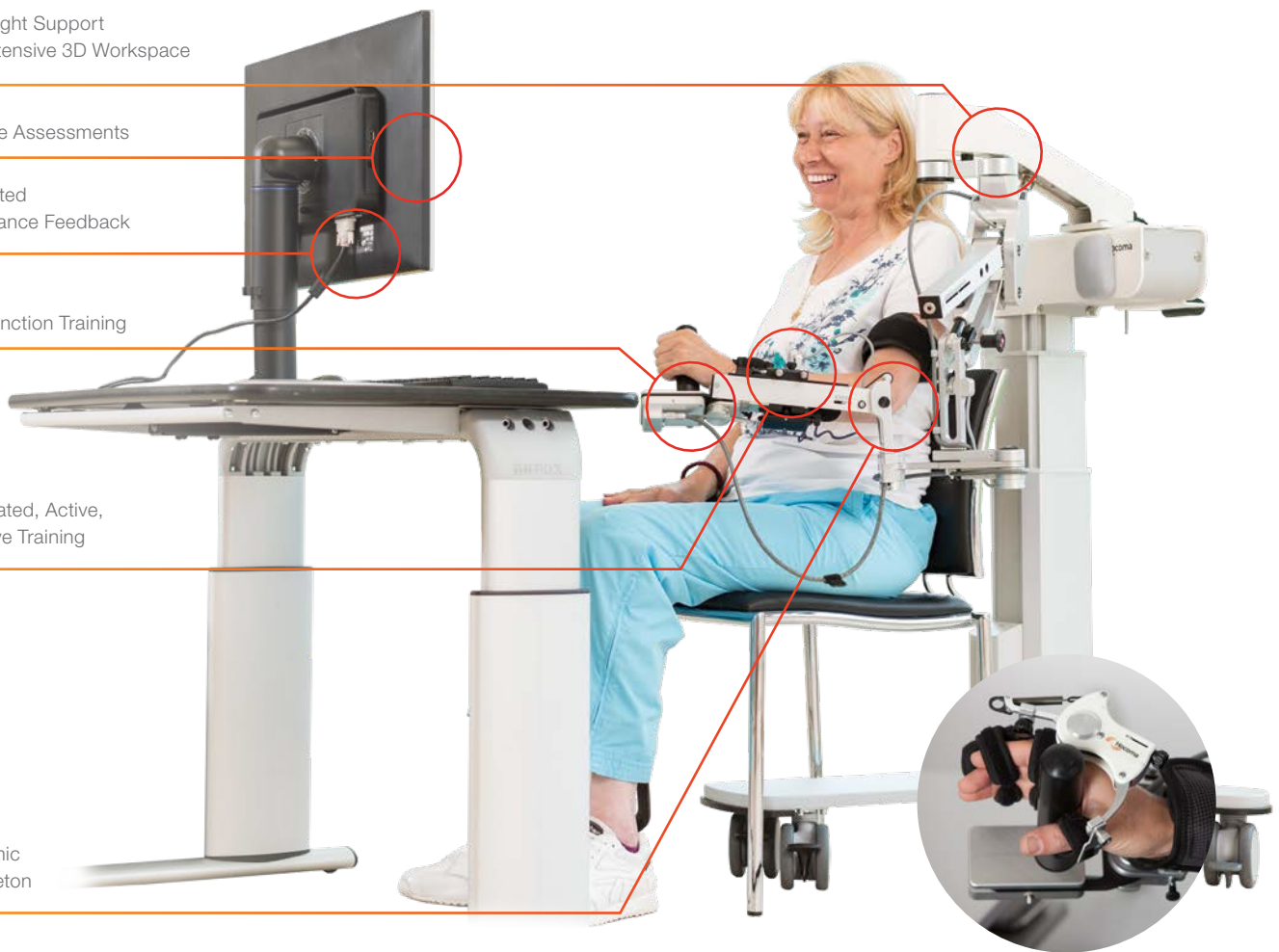
Objective Assessments

Augmented
Performance Feedback

Hand Function Training

Self-Initiated, Active,
Repetitive Training

Ergonomic
Exoskeleton



DIMENSIONS

- Device's dimensions [L x W x H]:
0.8 m x 0.8 m x 1.38 m (31.5 x 31.5 x 54.33 in.)
- Weight: approx. 82 kg (180.8 lb.)

ROOM REQUIREMENTS

Space [L x W x H]:
3 x 3 x 2 m (118.11 x 118.11 x 78.7 in.)

ADAPTABILITY TO PATIENTS

- Electric lifting column for comfortable height adjustment (range: 400 mm / 15.7 in.)
- Continuous adaptation to patient's dimensions
 - forearm lengths (elbow to handgrip): 290 – 390 mm (11.4 – 15.4 in., 230 – 370 mm for ArmeoSpring Pediatric)
 - upper arm lengths (shoulder to elbow): 220 – 310 mm (8.7 – 12.2 in., 155 – 235 mm for ArmeoSpring Pediatric)
- Continuous adaptation of weight compensation force to patient's needs
- System platform compatible with commonly used wheelchairs

OPTIONAL HAND-MODULE MANOVO®SPRING

ManovoSpring is an instrumented hand orthosis to be used as a module in combination with ArmeoSpring for patients with therapy goals focusing on hand rehabilitation. ManovoSpring features a spring mechanism for adjustable hand opening support that can be used as a real-time input device to the same software as the ArmeoSpring. Available as an upgrade for ArmeoSpring customers.

PRODUCT DISCLAIMER

All Hocoma products are medical devices and must be used in strict adherence to the User Manual; failure to do so may result in serious personal injury. It is strongly recommended that you regularly consult Hocoma's website (www.hocoma.com/legalnotes) for the latest available information. Please contact Hocoma should you have any questions. Use only under the supervision of qualified medical personnel. However, certain Hocoma products are marketed for home use and must be strictly used according to the recommendations of your medical care provider who is knowledgeable about your specific needs. Consult the User Manual and Hocoma's website (www.hocoma.com/legalnotes) for appropriate product designation. Failure to obtain and follow the recommendations of your medical care provider may result in serious personal injury. This information provides details about medical products which may not be available in all countries and may not have received approval or market clearance by all governmental regulatory bodies throughout the world. Nothing herein should be construed as a solicitation or promotion of any product or of an indication of any specific use for any product which is not authorised by the laws and regulations of the country where the reader of this information resides.

WE ARE THE TOTAL SOLUTION PROVIDER FOR REHABILITATION

We offer efficient solutions and services with advanced technologies for human movement therapy across the entire continuum of rehabilitation: from severe to mild impairments and from acute treatment to continuous training at home. All our solutions are developed, manufactured and continuously improved in close cooperation with researchers, clinical partners and customer feedback.

THE CONTINUUM OF ARM AND HAND REHABILITATION

Discover our extensive portfolio of Arm and Hand Solutions.



ARMEOPOWER

The world's first robotic arm exoskeleton for integrated arm and hand therapy for severely impaired patients.



ARMEOSPRING

The preferred solution for self-initiated repetitive arm and hand therapy in an extensive 3D workspace.



ARMEOSPRING PEDIATRIC

The preferred solution for self-initiated repetitive arm and hand therapy in an extensive 3D workspace for children.



ARMEOSENSO*

The sensor-based solution for arm function recovery.
* Expected launch by the middle of 2018

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