

WE MOVE YOU



**COMING SOON\***

Not for sale yet.  
Registration as medical  
device pending.

Armeo®Senso

**THE SENSOR-BASED  
SOLUTION FOR ARM  
FUNCTION RECOVERY**

\* expected launch in autumn 2017

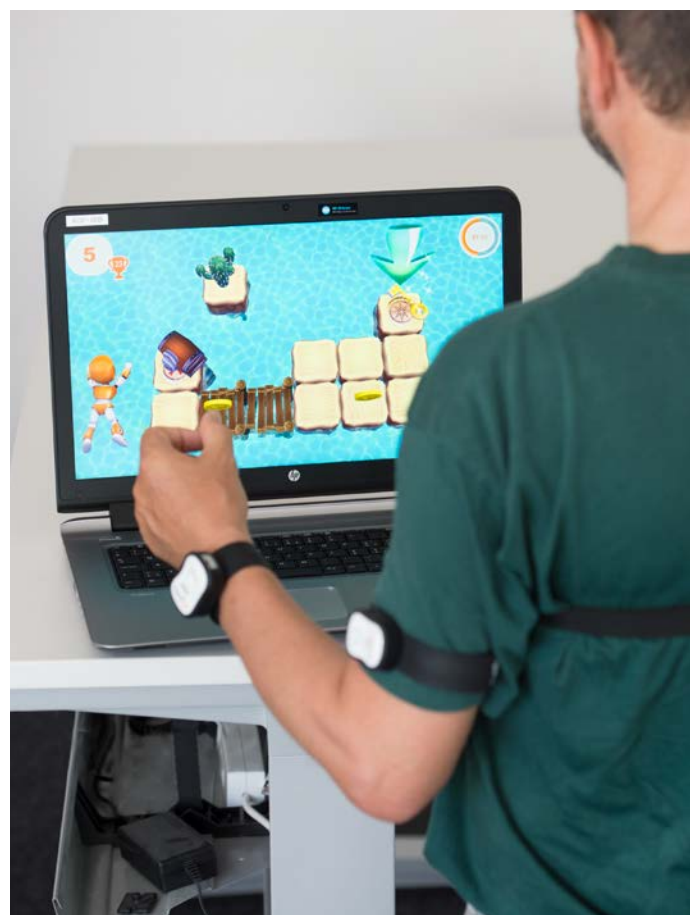
The ArmeoSenso is based on a decade of clinical experience with the Armeo product line in combination with established Hocoma sensor-technology.

## **HIGHLY INTENSIVE ARM THERAPY**

Self-initiated, active, motivating, and repetitive arm movement in a 3D workspace for patients with mild to moderate impairments.

## **VERSATILE AND EASY-TO-USE**

Easily adaptable to different settings and safely operated by patients.



## COMPACT AND USER-FRIENDLY DESIGN

Mobile, portable with intuitive user interface and workflow.

## OPTIMIZED EFFICIENCY

Enables group settings and Extra Time settings to maximize therapy time.

## HAND MODULE

A hand module allows the patient to interact with the Augmented Performance Feedback through gripping function.

## OPTIONAL ARM WEIGHT SUPPORT - SAEBOMAS MINI

A table-mounted mobile arm weight support provides an adjustable functional assistance during the exercises.

## PART OF A MODULAR THERAPY CONCEPT

The ArmeoSenso 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

### **Stefan Ortmann**

Occupational Therapist, Kliniken Valens, Switzerland

“ The ArmeoSenso is very easy to use and setup time is surprisingly short. This will enable therapists to be more efficient and patients to train for more time. We also expect patients to be able to train by themselves or with very little amounts of supervision. ”

### **Prof. Alberto Esquenazi**

Chief Medical Officer, MossRehab, USA

“ I am looking forward to having the ArmeoSenso available at MossRehab and I am confident that it will be a great addition to the Armeo Therapy Concept. The application of Hocoma's sensor-technology to the upper extremity as a complement to the Armeo product line is very promising and in line with healthcare innovation that will be a door opener to new applications. ”



### **Prof. Dr. Roger Gassert**

Rehabilitation Engineering Lab, ETH Zürich, Switzerland

“ My group was strongly involved in the development of the research version of ArmeoSenso<sup>1</sup>. In a clinical pilot, we found patients to be highly motivated to use the device by themselves at home, and were able to safely administer high therapy doses. ArmeoSenso has great potential to increase patient compliance for continued intensive therapy at home. ”





Self-Initiated, Active,  
Repetitive Training

Hand Module (with Motion Sensor)  
for Hand Interaction

Augmented  
Performance Feedback

3 Motion Sensors  
(2 on the arm + 1 on the chest)

### TECHNICAL SPECIFICATIONS

- 6 degrees of freedom (shoulder: flexion/extension, horizontal abduction/adduction, internal/external rotation; elbow: flexion/extension, pronation/supination; wrist flexion/extension)
- Compensatory movements of trunk detected
- Extensive library of functional and motivating exercises in 1D, 2D and 3D
- Assessments for analysis and documentation of patient progress
- Further technical specifications pending.

### OPTIONAL ARM WEIGHT SUPPORT

SaeboMAS mini

### REFERENCE

- 1 Wittmann et al. Journal of NeuroEngineering and Rehabilitation (2016) 13:75

### 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](http://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](http://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.



### ARMEOSENDO\*

The sensor-based solution for arm function recovery. \*expected launch in autumn 2017

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