



Training and Mobility

## Introduction

Chattanooga is the world's largest manufacturer of rehabilitation equipment for treating musculoskeletal, neurological and soft tissue disorders. For over six decades, Chattanooga has set a benchmark for leadership, reliability and excellence. Our products contribute to better treatment outcomes in hospitals, clinics and home settings worldwide. We lead the physiotherapy industry by example and, through continuous innovation, provide real world solutions for clinicians and their patients.

As the world's leading brand in rehabilitation, Chattanooga is sold in over 80 countries worldwide. Chattanooga is directly represented in our key markets but also has long lasting relationships with dedicated distributors in the USA, Canada, Latin America, EMEA and Asia Pacific. Our Chattanooga distributors and customers are supported for order placement, training, product delivery and after sales service by a dedicated team of highly skilled DJO employees based all over the world.

Chattanooga is a brand of DJO Global Inc. DJO Global provides solutions for musculoskeletal health, vascular health and pain management. Our products help prevent injuries or rehabilitate after surgery, injury or from degenerative disease, enabling patients to regain or maintain their natural motion.

Visit [www.DJOGlobal.eu](http://www.DJOGlobal.eu)



# Contents

Introduction	1
Huber 360	3
ACTIVE-K	5
Optiflex S Shoulder CPM	7



## Training and Mobility

Chattanooga has unique training platforms designed to facilitate increased levels of function and the performance of daily-living activities. New to the medical-world, HUBER 360 is a functional rehabilitation platform which allows therapists to assess, challenge and train every aspect of patients' neuromuscular skills key to natural motion. The ACTIVE-K Therapy Unit combines passive and active motion techniques in a manner that allows patients to regain painless joint-mobility at an early post-operative stage. Chattanooga's Optiflex Continuous Passive Motion Devices are designed to provide and regain anatomical motion of the knee and shoulder.

Ordering Information	
Part Number	Description
HUBER® 360	
15-0011	HUBER 360 MD 230V
15-0013	HUBER 360 MD 110V
Standard Accessories	
-	1 Samsung tablet, 1 Articulated Stool, 2 pads, 1 repositioning block, 2 protection hand rails

# HUBER® 360

## Neuro Muscular Rehabilitation and Assessment



HUBER® 360 features the new Multiaxis Motorized Platform. It comes equipped with force sensors built into the platform and handles. Trained by a health professional, your patients will work safely on both physical and cognitive skills: that's Neuro Muscular Rehabilitation. Once mobility and flexibility have been recovered on HUBER® 360, patients can enroll into a Health Sport program in your center to maintain and improve their health.



## Features

### Multiaxis motorized platform™ with built-in force sensors

- Integrated functional assessment adapted to all patient types
- Dynamic Posture Corrector™ for a precise and progressive workout
- Multi-directional stimulation and targeted recruitment

### 360° rehabilitation

With HUBER® 360, the treatment is broken down into four movement fundamentals: Flexibility and Mobility, Dynamic Strengthening, Posture and Balance, and Resistance

### Flexibility and Mobility

- The Dynamic Posture Corrector™ improves stretching precision
- The Multiaxis Motorized Platform™ mobilizes joints in every plane of motion

### Dynamic Strengthening

- The Dynamic Posture Corrector™ insures proper positioning during exercise
- Feedback on the screen allows control of strength and direction for better recruitment

### Posture and Balance

- The static and dynamic force platform improves objectification of posture
- Balancing games are both fun and challenging for the patient

### Resistance

- Dynamic exercises adapted to the patient's physical condition increase their resistance
- Short-duration high-intensity activities for faster results

### Assessment and progress report

- Full Built in assessment
- 3 tests based on Romberg and Fukuda to measure and compare balance capacity
- 2 tests to measure area of stability and mobility restriction
- 2 tests to assess strength and coordination
- Test reports and patient progress report available
- Photo and video analysis tool
- Connect to the machine wirelessly and without a USB drive
- Send the assessment directly as a PDF to patients or prescribers
- Create your own programs and free menus
- HUBER® 360 Remote control
- Monitor patients' exercise remotely



### Specific trajectories for each therapeutic indication



Circle



Point



Spiral



Seesaw



Sun



Dial



Rosette



Random



## Technical Specifications

Size:	L=1800mm W= 1050mm (without guardrails) W=1335mm (with guardrails) H=2080mm
Weight:	274 kg (with guardrails)
Floor size:	1,90m <sup>2</sup> (without guardrails) 2,4 m <sup>2</sup> (with guardrails)
Power requirements:	230V / 50-60 Hz / 2 kVA 110V / 50-60Hz / 2kA
Maximum platform tilt:	10°
Maximum platform speed:	1 rev/s at 10° tilt
Maximum platform load:	150 kg
Screen:	10.4" color screen

## Ordering Information

## Part Number Description

## Chattanooga ACTIVE-K

80.00.072 Chattanooga ACTIVE-K Therapy Unit

## ACTIVE-K patient chip cards

0.0040.210 passive: blue (only CPM functions)

0.0040.211 active: green (only CAM functions)

0.0040.212 protocol: orange (only therapy protocols)

0.0040.213 special: red (all functions)

0.0040.21X-S Patient chip card set including:

- patient chip cards upon individual choice (10x)
- Marker pen for patient chip card (2x)
- Eraser for patient chip card (2x)

0.0031.006 Marker pen for patient chip card

5001558 Eraser for patient chip card

## Optional Accessories

0.0040.100 ACTIVE-K strap set (4 straps)

2.0037.024 Connection cable for muscle stimulator

80.00.056 Transport trolley

80.00.068 Transport trolley (modular)

TK-001 Transport box

## ACTIVE-K

## Maximum Stabilization

means leg is securely guided from foot to thigh

## Intuitive User Design

with interactive hand controller display



The ACTIVE-K is a motorized physiotherapy unit that delivers a unique mix of rehabilitation therapies through a single device. Combining the benefits of CPM (Continuous Passive Motion), CAM therapy (Controlled Active Motion) and the onboard protocols, the patient is able to regain coordination and reduce proprioceptive deficit.

Using the ACTIVE-K allows patients to regain painless mobility of hip and knee joints at an early post-operative stage and stimulates the healing process. Additionally, the active component of the therapy unit is intended to enhance proprioception and functional stability (strength) as mentioned at an early stage and thus improve coordination following joint surgery.

## Features

- Lightweight (17 kg) robust design, able to withstand +/-30 kg of force
- Designed to ensure anatomically correct movements are maintained
- Can be secured to a treatment table or bed using the fold-out stabilization supports and/or optional straps
- Integral footplate sensor enables exercise forces to be measured
- Computer controlled motor for CAM and coordination therapies
- Fully adjustable to suit different patient sizes and heights
- Advanced, interactive hand controller incorporating a full color LED screen for instant patient feedback
- Controller features an easy to use icon based menu system
- Patient Chip Card for storage of therapy data
- A range of pre-programmed protocols for specific indications
- 2 year warranty

The ACTIVE-K has the capacity to allow clinicians to perform therapeutic strengthening exercises by allowing muscular contractions using the following methods:

- Concentric
- Eccentric
- Isokinetic
- Isometric

## Additional Therapeutic Benefits for Patients

- Enhancement of joint metabolism
- Prevention of joint stiffness
- Promotion and regeneration of cartilage and damaged ligaments
- Faster hematoma / re-absorption
- Improved blood & lymph circulation
- Prophylaxis for thrombus and embolism syndromes
- Bridging the gap from Passive motion to Active training with resistive therapy during rehabilitation
- Expedites coordination & sensory perception following surgery

**Maximum Safety**  
through specific  
controlled movements

**Latest Sensor Technology**  
measures the exerted force

**High Stability**  
thanks to the fold-out  
fixation wing and belt  
system (optional)

### Technical Specifications

Mains Power:	100–240 V, 50/60 Hz, 85–90 VA Tolerance -15% up to +10%
Stand-by Current Consumption:	5VA
Weight:	17 kg
Shipping Weight (inc. all accessories):	23 kg
Dimensions*:	96 x 38 x max. 57 cm
Shipping Dimensions*:	106 x 42 x 42.5 cm
Electrical Safety Class:	Class 2, Type B
MDD	Ila
Safety Tests: Standards Compliance:	93/42/ECC (2007/47/EG) IEC 60601-1:2005, IEC 60601-1- 2:2007, IEC 60601-1-6:2006, IEC 60601-1-9:2007, IEC 60601- 1-11:2010, IEC 62366:2007, IEC 62304:2006, EN ISO 14971:2007, ANSI AAMI ES 60601-1, CAN CSA 22.2 No. 60601-1-08, EN ISO 13485:2003+AC:2009, CE-0297
Range Of Motion (ROM):	-10° extension up to 120° flexion

### Adjustment ranges (min/max):

Femur range:	approx. 31 to 49 cm
Lower leg range:	approx. 38 to 58 cm
Max. load on carriage:	30 kg
Max. Patient Weight	275 kg

\* Dimensions are listed as L x W x H

### 1 Passive (CPM)

#### Controlled and gentle mobilisation:

- Reduce swelling and pain
- Prevent joint stiffness
- Regain mobility

### 2 Active (CAM)

#### Functional stabilization:

- Smooth/controlled muscle reactivation and strengthening
- Further reduction of swelling and pain
- Regain functional stability

### 3 Coordination

#### Stabilizing exercise:

- Muscle reactivation
- To train coordination / proprioception



Ordering Information

Part Number	Description
-------------	-------------

Optiflex S Shoulder CPM	
2029	OptiFlex S Shoulder CPM

Standard Accessories

34273	Control pendant
20661	Patient data chip card (1x)

Optional Accessories

20719	Grey Fleece Patient Kit (not shown)
86016	Retractable Casters

Technical Specifications

Mains Power:	100-240 V, 50/60 Hz, 33 VA
Weight:	25 kg
Dimensions*:	88 x 58 x 58 cm
Seat Height:	48 cm
Electrical Safety Class:	Class 2, Type B
Safety Tests:	IEC 60601-1, IEC 60601-1-2, ANSI AAMI ES 60601-1, CAN CSA 22.2 No. 60601-1-08

Range of Motion:

Adduction/Abduction:	0-30-175°
Internal/External Rotation:	90-0-90°
Flexion/Elevation:	0-30-175°
Horizontal Adduction/Abduction:	0-0-125°
Functions:	
Motor Control:	ON/OFF
Pauses:	0-30 seconds
Speed:	0-100%
Timer:	0-300 minutes
Synchronization:	ON/OFF
Therapy Run Time:	hours/minutes

\* Dimensions are listed as L x W x H

Optiflex® S Shoulder CPM



Not for sale in Europe

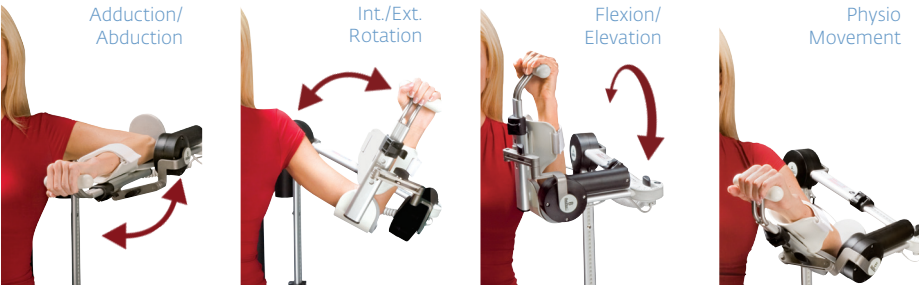
Features

OptiFlex S Continuous Passive Motion

- Designed to provide anatomical motion for the shoulder, the OptiFlex S addresses a complete range of motion capabilities.
- Synchronized motors allow for customization of treatment parameters (optional to turn on/off)
  - Patented universal left/right design for easy conversion
  - Fully adjustable ergonomic chair that promotes shoulder stabilization
  - Brushless DC motor
  - Pendant control with chip card technology to store and assign patient information
  - Quick and easy disassembly for transport and shipping
  - 2 year warranty

Program Features

- Warm-up mode – the unit recognizes the start and stop angles and midpoint. From that point, motion is initiated 3 degrees from all angles until full ROM is achieved
- Reverse-on-load – unit will switch to the opposite direction when patient resistance exceeds the set value
- Patient data storage – assigns ROM, speed and treatment times per patient and notes patient set up positions
- Patient compliance meter – calculates the cumulative patient usage time
- Soft start and stop
- Multi-lingual pendant display









## DJO GLOBAL

### AUSTRALIA:

**T:** +1300 66 77 30  
**F:** +1300 66 77 40  
**E:** customerservice.au@DJOglobal.com

### BENELUX:

**T:** Belgium 0800 18 246  
**T:** Netherlands 0800 0229442  
**T:** Luxembourg 8002 27 42  
**E:** benelux.orders@DJOglobal.com

### CANADA:

**T:** +1 866 866 5031  
**F:** +1 866 866 5032  
**E:** canada.orders@DJOglobal.com

### CHINA:

**T:** (8621) 6031 9989  
**F:** (8621) 6031 9709  
**E:** information\_china@DJOglobal.com

### DENMARK, FINLAND, NORWAY & SWEDEN:

**T:** Denmark 89 88 48 57  
**T:** Finland +46 40 39 40 00  
**T:** Norway 23 96 09 27  
**T:** Sweden 040 39 40 00  
**E:** info.nordic@DJOglobal.com

### FRANCE:

**T:** +33 (0)5 59 52 86 90  
**F:** +33 (0)5 59 52 86 91  
**E:** sce.cial@DJOglobal.com

### GERMANY:

**T:** +49 761 4566 01  
**F:** +49 761 456655 01  
**E:** infoservice@DJOglobal.com

### ITALY:

**T:** +39 02 484 63386  
**F:** +39 02 484 09217  
**E:** vendite@DJOglobal.com

### INDIA:

**T:** +91 44 6693 6882  
**E:** customercare.india@DJOglobal.com

### SOUTH AFRICA:

**T:** +27 (0) 87 3102480  
**F:** +27 (0) 86 6098891  
**E:** info.southafrica@DJOglobal.com

### SPAIN:

**T:** +34 934 803 202  
**F:** +34 934 733 667  
**E:** ventas@DJOglobal.com

### SWITZERLAND:

**T:** +41 (0) 21 695 2360  
**F:** +41 (0) 21 695 2361  
**E:** info@compex.ch

### UK & IRELAND:

**T:** +44 (0)1483 459 659  
**F:** +44 (0)1483 459 470  
**E:** ukorders@DJOglobal.com

### UNITED STATES:

**T:** +1 800 336 6569  
**F:** +1 800 936 6569  
**E:** customercare@DJOglobal.com

## DJO GLOBAL, EXPORT CENTRES

### ASIA-PACIFIC:

DJO Asia-Pacific Limited  
Unit 1905, 19/F, Tower II  
Grand Central Plaza  
138 Shatin Rural Committee Road  
Shatin  
HONG KONG  
**T:** +852 3105 2237  
**F:** +852 3105 1444  
**E:** info.asia@DJOglobal.com

### EUROPE, MIDDLE EAST & AFRICA:

DJO Benelux  
Welvaartstraat 8  
2200 Herentals  
BELGIUM  
**T:** +32 (0) 14248350  
**F:** +32 (0) 14248099  
**E:** info.emea@DJOglobal.com

### LATIN AMERICA:

DJO Global, Inc  
1430 Decision Street  
Vista  
CA 92081-8553  
U.S.A.  
**T:** 1 800 336 6569  
**F:** 1 800 936 6569  
**E:** info.latam@DJOglobal.com



<sup>+</sup>  
MOTION IS MEDICINE™