

MOVING REHABILITATION FORWARD



CONTINUOUS PASSIVE MOTION

CHATTANOOGA GROUP



INTERNATIONAL



Continuous Passive Motion

Passive range of motion allows for joint movement without the patient's muscles being involved. The motorized CPM device gradually moves the affected joint through a prescribed arc of motion for an extended period of time.

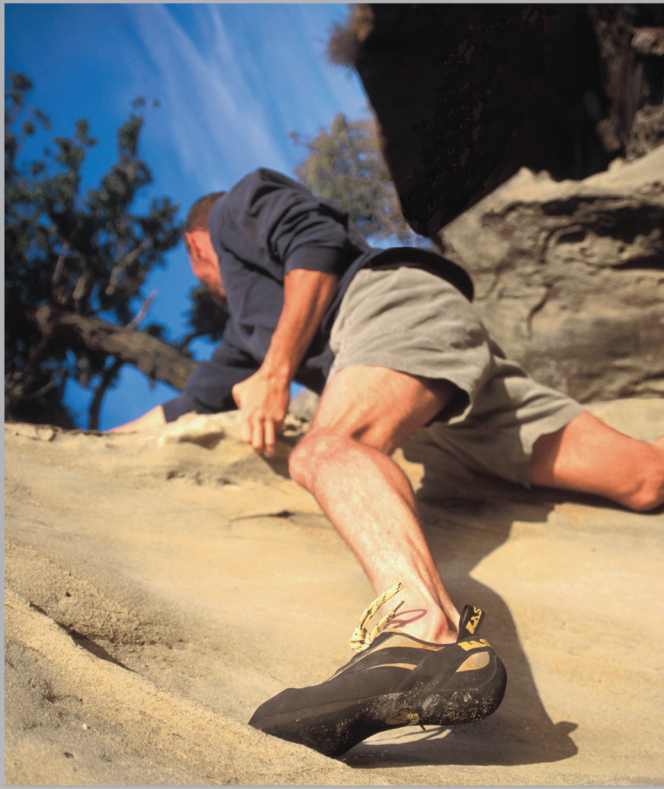
Clinical Indications for Shoulder CPM

- Rotator Cuff Repair
- Arthroplasty
- Total Shoulder Replacement
- Arthroscopic Surgery
- Frozen Shoulder
- Manipulation
- Humeral Head Fracture

Clinical Benefits of Shoulder CPM

- Prevent adhesions and joint stiffness
- Improve range of motion
- Promote healing of damaged ligaments and tendons
- Increase the tensile strength of the ligaments and tendons
- Prevent thrombosis and embolism
- Increase circulation to the affected area





is a postoperative procedure that prevents the negative impact of joint immobilization providing accelerated joint recovery.

Clinical Indications for Knee CPM

- Total Knee Replacement / Arthroplasty
- Post ACL Reconstruction
- Arthroscopic Knee Surgery
- Fractures of the patella, tibia, femur

Clinical Benefits of Knee CPM

- Decrease soft tissue stiffness
- Increase range of motion
- Promote healing of joint surfaces and soft tissue
- Prevent the development of motion-limiting adhesions (scar tissue)
- Increase circulation to the affected area

OptiFlex®

ORDERING INFORMATION

OptiFlex® 3 Knee CPM

2090 - OptiFlex® 3 Knee CPM Unit

Standard Accessories

20533 - Grey Fleece Patient Kit

J2038 - Control Pendant

J2047 - User Manual

TECHNICAL SPECIFICATIONS

Mains Power: 100-240 V, 50/60 Hz, 75 VA

Weight: 12 kg (27 lbs)

Dimensions: (L x W): 94 x 33 cm

Electrical Safety Class: Class 1, Type B

Safety Tests: IEC/EN 60601-1, IEC/EN 60601-1-2, CE 0413

Range of Motion:

-10° extension - 120° flexion

Length Range: Calf 25.4 - 59.7 cm
Thigh 30.5 - 48.3 cm

Max Patient Weight: 159 kg (350 lbs)

Functions:

Pauses: 0-30 seconds

Speed: 30° - 150° / minute

Force Reversal: 16 - 34 kgs (35 - 75 lbs)



OptiFlex³

OptiFlex® 3 Continuous Passive Motion Device

Designed to provide anatomical motion of the knee for the adult and pediatric patient.

Unit Features

- Universal left/right design.
- Ultra-wide carriage – 28 cm (11") from the center of the carriage.
- Brushless DC motor with self lubricating ball-bearing system.
- Internal mains power supply.
- Lightweight at only 12 kg (27 lbs).
- Convenient 4.5 m long power cord.
- Easy conversion from adult to pediatric (no adapter pieces needed).
- Two year warranty.

Adult



Pediatric



Patented Program Features

- ▶ Progressive Range of Motion – Eliminates time consuming adjustments by automatically increasing the programmed flexion angle by 1° every hour, up to 5° per 24 hour period of time.
- ▶ Oscillation Zone™ - Allows for more treatment time to be consumed in the active or working end of the ROM.
- ▶ Fast Back™ - Accelerates quicker through the non-working ROM allowing the knee to spend more time in the active ROM.
- ▶ Comfort Zone™ - Addresses the patient pain threshold by providing therapy at a reduced flexion angle limit.



Control Pendant Features

- Selectable scrolling.
- Independent delay time.
- Patient compliance/usage meter.
- Patient lock-out feature.
- Multilingual pendant display.
- Force reversal safety feature – allows the therapist to safely set the amount of passive force without causing unnecessary post-surgical pain or damage.
- Detachable.
- Large LCD screen with backlight.
- Water proof and shock resistant.
- Concise, visual biofeedback on pendant.



ORDERING INFORMATION

OptiFlex® 3 Knee CPM

Optional Accessories

- 40140** - Black Plastic Patient Kit
- 2033** - OptiFlex T Trolley
- 2032** - OptiFlex Lift
- 89900** - OptiFlex Bed mount
- 89928** - OptiFlex Storage Rack
- 40128** - 86 cm (34") Strap Kit (not shown)

OptiFlex 3 CPM Accessories

A. Black Plastic Patient Kit

B. OptiFlex Trolley

- Makes for easy transport and/or storage.
- Easily position CPM at the best angle for the patient.

C. OptiFlex Lift

- Assists in the storage of the unit.
- Reliable incremental stops.

D. OptiFlex Bed mount

- Attaches to a traction frame.
- Increases stability during CPM usage.
- Adjustable height.

E. OptiFlex Storage Rack

- Convenient storage of the CPM at the end of the hospital bed



ORDERING INFORMATION

OptiFlex® S Shoulder CPM

2029 - OptiFlex® S Shoulder CPM Unit

Standard Accessories

34273 - Control pendant

20661 - Patient data chip card (1x)

20664 - Erasable pen

TECHNICAL SPECIFICATIONS

Mains Power: 100-240V, 50/60 Hz, 33 VA

Weight: 25 kg (55 lbs)

Dimensions (transport): (L x W x H)
87.5 cm x 57.5 cm x 58 cm

Seat Height: 48 cm

Electrical Safety Class: Class 1, Type B

Safety Tests: IEC 60601-1,
EN60601-1-2, CSA 601.1-M90,
UL 2601-1, CE 0297

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



OptiFlex® S

OptiFlex® S Continuous Passive Motion

Designed to provide anatomical motion for the shoulder, the OptiFlex S addresses a complete range of motion capabilities.

Unit Features

- 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.

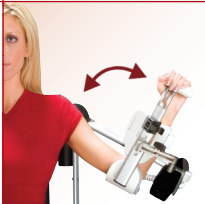


OptiFlex® S Shoulder CPM

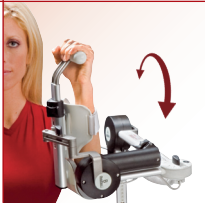
Adduction/Abduction



Int./Ext. Rotation



Flexion/Elevation



Physio. Movement



ORDERING INFORMATION

OptiFlex® S Shoulder CPM

Optional Accessories

20719 - Grey Fleece Patient Kit
(not shown)

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.





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