

R3x Recumbent w/ ROM³

Physical Rehabilitation – Hospitals

A BREAKTHROUGH IN EFFICACY AND SPEED OF LOWER EXTREMITY REHABILITATION

The ROM³ device is a patented technology and medical protocol that dramatically speeds lower-extremity rehab. Using the ROM³ device, patients are up, moving and functional faster than with any other known rehab methodology.

How It Works

The ROM³ device involves a Matrix R3x Recumbent Cycle and patented adjustable pedal device that enables patients with any lower extremity range of motion limitation to immediately begin movement of the affected joint or limb.

Patients, including those with extremely limited range of motion, can comfortably begin at the lowest gradients of movement – with passive motion, in a miniscule range of motion – and gradually increase to assisted-active and active motions, and greater and greater range of motion.

The ROM³ device's universal accessibility and ease of use enables both earlier movement and more movement. The patient's natural recovery mechanisms can flourish, aiding the healing process.

Results

- First study of the technology: Total knee replacement patients showed faster recoveries, fewer complications, and discharges to home one to five days earlier.
- Patients with co-morbidities have been repeatedly observed to recover 25 to 50% faster.
- Consistently affects measurable outcomes more rapidly by actual observation, including pain, range of motion, edema, proprioception, return to unassisted gait activities, initial FIM scores, strength and conditioning.

Benefits to Hospitals

- A solution for patients with extremely limited range of motion. Virtually any patient can begin safe, comfortable movement immediately.
- Improves efficiency: Therapist or assistant can supervise multiple patients simultaneously.
- Dramatic improvement in discharge rates and return to work rates (25 to 50% faster in many cases). This reduced cost of care contributes directly to the facility's bottom line.
- Significantly reduces complications inherent to immobility from the disease or injury process, surgical intervention and/or delayed recovery.

Ideal For

Orthopaedic, cardiac, stroke, burn and neuromuscular rehab



Heel-cup Support Pedal

With its versatile adjustability, the patented ROM³ device facilitates rehabilitation of an array of different motions, including:

- sit-to-stand transitions
- climbing and descending stairs
- walking on uneven surfaces
- other advanced gaits

FEATURES

Contact & Telemetric HR Sensors	Yes
Handlebar Design	Seat side / front ergo bend
Remote Buttons	Yes

DRIVE SYSTEM

Technology	Brushless Generator
Power Requirements	Self-powered/120v/60Hz AC Power Option
Minimum Watts	4 Powered / 7 Self-powered
Minimum RPM	25 Powered / 25 Self-powered
Resistance Range	1 - 30

CONSOLE

Display Type	14-seg alphanumeric, 8x16 LED graphic display
Display Feedback	Time, distance (kilometers or miles), calories, speed, heart rate, METs, watts, RPM, profile
User-defined Multi-language Display	Accessible through Manager Menu: English, German, French, Italian, Spanish, Dutch, Portuguese, Swedish, Finnish

TECH SPECS

Assembled Dimensions	
Crank Design	Three piece with integrated pullers
Maximum User Weight	400 lbs / 182 kg
Weight	
Shipping Weight	

WARRANTY

Frame	7 years
Generator	5 years
Parts & Labor	3 years CAP
Wear Items (iPod® Cable, USB Port, Headphone Jack)	90 days