MU100 UPRIGHT LOWER BODY ERGOMETER

The MU100 addresses lower-body conditioning with advanced options for optimal knee positioning. Clinicians are able to input desired knee flexion angles and the software will suggest the pedal and the seat fore/aft position. Variables such as body symmetry and limb length can be taken into account for clinicians to finely tailor to every patient's needs. The MU100 is equipped with the standard MA900 Rehabilitation Adjustable Crank, allowing clinicians to address lower extremity range of motion differences by individual positioning of the pedals.

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- Adjustable pedal cranks enable a clinician to adjust the bike to accommodate a patient's range of motion performance capabilities. This includes independently, single side or bilateral adjustments from a limited range of motion as small as 15 degrees through full range of motion
- Bidirectional resistance with both forward and reverse pedaling for instantaneous retro-cycling
- Multiple resistance modes: constant resistance, constant power and Isokinetic resistance
- Documentable patient positioning with numbered indexing seat and pedal crank adjustments for consistent patient set-up from visit to visit
- Multiple seat adjustments: up/down seat position detents, fore/aft patient positioning, and hand-tight, positive locking knobs
- Symmetry monitoring to measure bilateral power (example: Left 41 watts - Right 34 watts)
- Work rate range from under 5 watts up to 1,750 watts
- Dynamic braking minimizes impulse loading
- Sub-max VO2 testing (YMCA protocol)
- Software assisted patient set-up

SPIRIT MEDICAL

ADVANTAGES AND CLINICAL APPLICATIONS

CLOSED KINETIC CHAIN allows patients to begin exercise earlier, safer, and impact free within a pain-free range of motion, thereby reducing the patient's "fear factor."

INCREMENTALLY ADJUST patient positioning up/down, fore/aft seat, and pedal crank for easy patient set-up.

ACTIVE MOVEMENT in both directions.

BILATERAL SYMMETRY MONITORING assists in improving limb deficiencies and walking gait.

IDEAL FOR PATIENTS with patella femoral conditions, total knee replacements, ACL, MCL, and PCL repairs, other ligamentous repairs, arthritic conditions, tendonitis, and many more conditions.

SEAT POSITION ADJUSTMENTS

ADJUSTABLE PEDAL CRANK

MULTI-FUNCTION DISPLAY

MU100 ELECTRONIC & SOFTWARE FEATURES

- Unique symmetry program measures and displays power around the pedal stroke and biofeedback encourages patients to maintain power between right and left leg
- Multiple programs include: quick start, manual mode, preset hill, plateau, and interval profiles; custom facility protocol program, VO2 sub-max YMCA protocol, Isokinetic speed-based resistance (from 25 to 100 RPM)
- Unique knee angle data input allows entry of desired range of motion to determine seat and pedal crank settings
- Set-up mode allows quick entry of patient data, resistance resolution, settings, and how the information is displayed
- Large, easy-to-read displays: time, RPM, watts, calories, METS, heart rate, power, and much more
- Intuitive interface for ease of operation

OPTIONS SOLD SEPARATELY

NEUROLOGICAL PEDAL SET

EQUIPMENT SPECIFICATIONS

Power Train	heavy duty, 8 groove poly-v belt for smooth, quiet operation, dual spring loaded idlers provide a low start-up resistance and forward/reverse pedaling motion, pedal to brake ratio provides smoother pedaling motion
Braking Device	electro-magnetic resistance allows for very small increments of workloads (5 watts per level at 60 rpm, 2 watts per level at 30 rpm), dual electromagnets provide a controlled Isokinetic resistance and our unique dynamic braking mode
Power	100–240 volts AC (standard power supply)
Overall Dimensions	43" x 23" x 55"
Net Weight	119 lbs.
Max User Weight	440 lbs.
Certifications	ISO 13485, IEC 60601-1-2, RoHS

WARRANTY INFORMATION

Commercial (All Facilities) – Lifetime frame, 5 years EMS brake, 3 years parts and labor