



The MS300 facilitates full body exercise in coordinated, linear, natural 1:1 leg and arm motion. Self-adjustable stroke length accommodates patients' specific range of motion capabilities, providing low impact movement for knees, ankles, and hips in a safe semi-recumbent position.

Versatile for different training emphasis, MS300's unique quadrilateral exercise pattern allows users to selectively distribute different extent of exercise efforts across their four limbs. Limbs that input more force can efficiently lead less involved limbs to functional movements and maintain elevated heart rate. A low inertia starting at 5 watts translates to smoothness; the work rate can increase up to 750 watts, accompanied by different step speeds of the user's choice.

FEATURES

STEP-THROUGH FRAME DESIGN

LINKED UPPER AND LOWER BODY LINEAR PATTERN

ADJUSTABLE POSITION HANDLES With articulating hand grips

CUSHIONED FOOTPLATES With stabilization straps

ADJUSTABLE STEP RANGE From 1 inch to 12.5 inches

RESISTANCE MODE Isokinetic - Step speeds from 10 to 210 steps/minute

LOW INERTIA Starting resistance of 5 watts

WORK RATE

Range from under 5 watts up to 750 watts

HEART RATE MONITORING

Both handle held and telemetry

MULTIPLE SEAT ADJUSTMENTS

- 8 position swivel seat with seat belt for patient safety and ease of patient ingress and egress
- 6 position recline seat back for hip angle adjustments
- Fore/aft patient positioning

SYMMETRY MONITORING

Measurement of bi-lateral power (example: Left 41 watts - Right 34 watts)

NATURAL MOTION

1:1 Leg to Arm Ratio

ADVANTAGES AND CLINICAL APPLICATIONS

COMBINED UPPER AND LOWER BODY MOVEMENTS

Provides full body workout, building strength and range-of-motion and utilizing wellness programs to increase longevity

DEPENDENTLY LINKED, LINEAR MOTION PEDALS

Enables users to self-adjust the stroke length to accommodate their range-of-motion capabilities

CLOSED KINETIC CHAIN

Provides low impact movement with minimal stress on knees, ankles, hips and low back in a safe and comfortable semi-recumbent position

QUADRILATERAL EXERCISE PATTERN

Allows users to distribute the exercise efforts across four limbs. By reducing the effort from the involved limb and transferring a greater effort to the uninvolved limbs, they will maintain an elevated heart rate to achieve exercise potential.

APPLICATIONS INCLUDE:

Orthopedic, Sports Medicine, Neurological, and Cardiac Rehabilitation as well as Senior Rehab and Wellness Training



360 DEGREE FULL ROTATION



ARTICULATING HAND GRIPS



CUSHIONED FOOTPLATES WITH STABILIZATION STRAPS

ELECTRONIC AND SOFTWARE FEATURES

- Intuitive interface for ease of operation
- Large, easy-to-read displays: Time, Speed (steps per minute), Step Length, Step Count, Watts, Calories, METs, Heart Rate, Resistance Level, Symmetry, and much more
- Programs include: Manual, Hill, Plateau, Interval, Facility, HR and Symmetry
- Unique Symmetry program that measures and displays power throughout the pedal stroke. Biofeedback encourages patients to maintain power between right and left side
- Isokinetic resistance - is a safe and accommodating resistance that is patient determined throughout the entire range of motion

TECH SPECS

Power:	90 to 240 volts AC (Standard Power Supply)
Overall dimensions:	80.9"L x 35"W x 48.1"H (205.6cm x 82.6cm x 122.3cm)
Net Weight:	257.9 lbs (117 kg)
Max user weight:	440 lbs (200 kg)
Certifications:	ISO 13485, IEC 60601-1-1, RoHS

WARRANTY

Frame: Lifetime
Mechanical and Electronic Components : 3 years
Wearable Items: 1 year
Labor: 1 year

Power Train:

- Heavy duty, 8 groove poly-v belt for smooth, quiet operation
- The foot pedal assembly rides on high-end linear bearings and guides

Braking Device:

- Eddy Current Brake (Quiet, frictionless and maintenance free)
- Small flywheel mass ensures a minimum starting torque providing low inertia

OPTIONS SOLD SEPARATELY



LOWER EXTREMITY BI-LATERAL STABILIZATION SET



HAND/WRIST STABILIZATION SET