

*Quality of Life that We Serve*

[www.sungdomc.co.kr](http://www.sungdomc.co.kr)



MEDICAL CARE - SINCE 1996  
**SUNGDOMC**



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# About SungdoMC

**Mission Statement**  
Quality of Life that We Serve

**Vision Statement**  
No. 1 Medical Innovation  
HUB in Rehabilitation

**Core Value**  
For the Best Service  
A Passionate Commitment

## 3S TREE



### Smart+

Expertise  
Creativity  
Global Standard

### Speed+

Challenge  
Execution  
Achievement

### Spirit+

Respect  
Transparency  
Integrity

### ○ Profile

2012.01 Changed a company name as SUNGDO MC Co., Ltd.  
2008.08 Certified the Venture Company  
2007.08 Est. the Institute Technology  
2006.11 Inc. Company as SNS Care Co., Ltd.

### ○ Global Partners

N. America, Europe, Asia, Africa(18 countries with 20 partners)

### ○ Certifications

Acquired ISO9001, 13485, KGMP  
Certified UL, CE, FDA, GMP

ISO 9001 ISO 13485

UL, FDA, CE MDD GMP, KGMP

CE 0044



## ○ SP Series

### Motor Fit Pro

Passive Assistance / Active Resistance / Interactive Motion Therapy



SP-1000  
Upper & LowerBody



SP-2000 Lower Body



SP-3000 Upper Body

The SP-2000 & SP-3000 provide all of the same features as the SP-1000 in lower-body-only and upper-body-only design.

### \* Specifications

Dimensions : 700(L) x 590(W) x 1,080(H)mm

Unit Weight : 50kg(110lbs.)

Power Supply : 110V / 220V, 60Hz

Monitor Dimensions : 227(L) x 220(W)mm, 7" LCD Touch Screen

Warranty : 1 year limited warranty

The Motor Fit Pro Active-Passive Series is ideal for long-term care, cardio-pulmonary rehab, and physical therapy facilities. The series offers versatile exercise options and unparalleled safety features.

The Motor Fit Pro Active-Passive Series provides therapeutic solutions for individuals with low functional capacity, long-term rehabilitation needs, or other physical limitations.

- The AP Pro can be used for upper-body or lower-body exercise in a space-saving design.
- Bi-directional exercise in Active or Passive Modes. Customize each patient's exercise session with 15 resistance levels and speeds from 1 to 60 rpm.
- Passive Assistance-In the Passive Mode, the SP Series automatically reduces powered assistance as the patient's strength and power input increases.
- Spasm Control Function-The AP Pro automatically stops after detecting a spasm and continues in the desired direction to relieve spasm. For additional safety, the exercise session is terminated after three spasm episodes.
- Easy to use console with voice guidance. Integrated TV feature (cable required) for entertainment capability.

### Measurements Include :

- Ratio of Active versus Passive exercise-monitor improvement in overall functional capacity.
- Ratio of Active exercise-right versus left side-track reduction in unilateral deficits and monitor exercise symmetry.
- Total time, distance, and number of spasm episodes during exercise session.

### \* Innovative Technology

- The Function of Watching TV
- Voice Control
- Exercises In Passive Mode
  - › Speed
  - › Resistance
  - › Time
  - › Direction of rotation
- Mode Settings
  - › Exercise time
  - › The strength of contraction
  - › Control of contraction
  - › Power drive
  - › Screen brightness
- Function to Indicate The Results of Exercises





## ○ SP Series

Eco.Motor Fit Pro

Passive Assistance / Active Resistance / Interactive Motion Therapy



### \* Specifications

Dimensions : 810(L) x 590(W) x 1,080(H)mm

Unit Weight : 50kg

Power Supply : 110V / 220V, 60Hzg

Monitor Dimensions : 227(L) x 220(W)mm

Warranty : 1 year limited warranty

Motor Fit Pro for Pediatric

Passive Assistance / Active Resistance / Interactive Motion Therapy



### \* Specifications

Dimensions : 810(L) x 590(W) x 1,080(H)mm

Unit Weight : 50kg

Power Supply : 110V / 220V, 60Hzg

Monitor Dimensions : 227(L) x 220(W)mm

Warranty : 1 year limited warranty

## ○ SE Series

### Fit Elite

Whole Body Exerciser / Upper Body Exerciser / Interactive Motion Therapy



SE-1000  
Whole Body Exerciser



SE-1000U  
Upper Body Exerciser

#### \* Specifications

Dimensions : 560(L) x 1,000(W) x 1,290(H)mm  
Unit Weight : 45kg(121lbs.)  
Pedal Width : 215mm  
Warranty : 1 year limited warranty

Whole Body Exerciser(SE-1000) offers upper body, lower body, or total body exercise in one space-saving unit.

#### \* Specifications

Dimensions : 580(L) x 1,020(W) x 1,330(H)mm  
Unit Weight : 40kg(88lbs.)  
Warranty : 1 year limited warranty

Upper Body Exerciser(SE-1000U) offers upper body in one space-saving unit.

### Fit Elite for Pediatric

Whole Body Exerciser / Interactive Motion Therapy



SE-3000 Whole Body  
Exerciser for Pediatric

#### \* Specifications

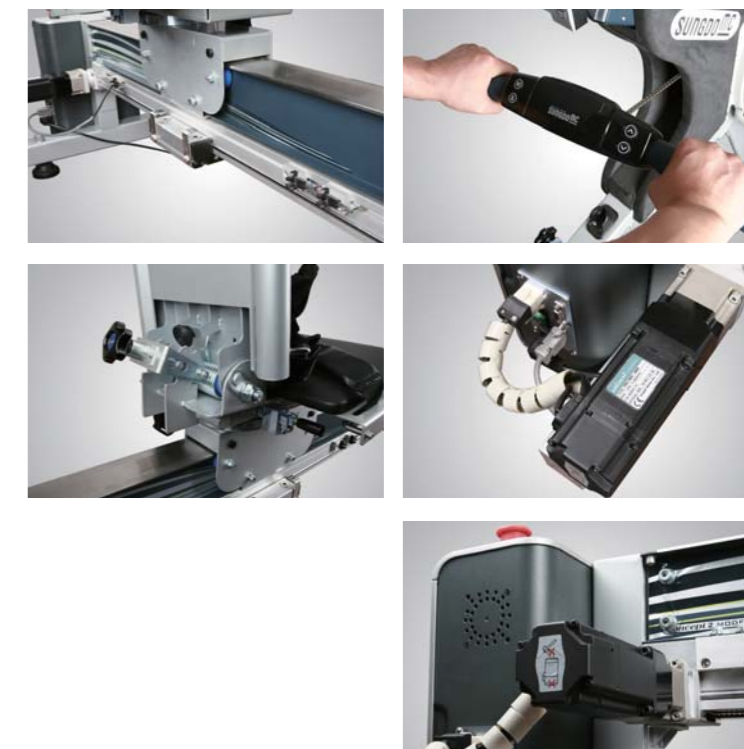
Dimensions : 570(L) x 970(W) x 1,150(H)mm  
Unit Weight : 49kg(108lbs.)  
Pedal Width : 144mm  
Warranty : 1 year limited warranty

Whole Body Exerciser for Pediatric (SE-3000) offers upper body, lower body, or total body exercise in one space-saving unit for pediatric

- Bi-directional resistance allows the exerciser to achieve muscle balance.
- 8 levels of resistance.
- Comfortable, ergonomically angled hand grips.
- Dependent motion enables active assistance – stronger extremities aid weaker extremities.
- Perfect for orthopedic, spinal cord or traumatic brain injury rehabilitation.
- Wheelchair accessible.
- Locking mechanism to stabilize pedals while securing foot straps.

## ○ SR-1000

### Rowing Machine for Rehabilitation



#### \* Features

- Improves co-contraction training of the upper and lower body.
- Especially, good effect on the movement of Achilles tendon to increasing the flexibility of the lower body.
- Effective in improving cardiovascular of the spinal cord injured people.
- Designing for the characteristics of the spinal cord disabilities.
  - : Fixed belt for upper body.
  - : Chair rotates 90 degrees.
  - : The backrest automatically returns to its initial position during exercise.
- Remote control of functions(start, stop, speed up & down) by push buttons on handles(zigbee wireless)
- The seat position can be exactly controlled by using AC servo motors.
- The smooth implementation of driving with a quiet and powerful torque at low speeds.
- Seat is driven by timing belt in linear-module guide.
- A system like with disabilities and non-disabled person can be used together.
- Movement speed is 1~60cm/sec.
- Setting can be operated Zog with the way touching screen display.
- Easily connected to Concept 2D and E.

#### \* Specifications

- Dimension : 600(W) X 2,700(L) X 1,200(H)mm
- Weight : 75kg(165lb.)
- Power : 220V, 60Hz(100V, 60Hz, Option)
- Motor : 400W, AC Servo Motor
- Comm. Port : RS232C
- Rated Output : 400W
- Rated Torque : 1.27Nm
- Rated RPM : 3,000rpm
- Sector to Move Up : 650mm



## ○ JT-4000M

Medical & Rehabilitation Treadmill



### \* Application

- Respiratory Gas Analyzer
- Rehabilitation
- Cardiac Rehabilitation and Diagnosis
- EKG
- Walking Analysis
- Walking Training

### \* Specifications

- Dimensions : 2,140(L) X 850(W) X 1,330(H)mm
- Speed : 0.1 ~ 20km/hr. (Speed Increment 0.1km/hr., ± 5%)
- Motor : 1.5kw AC Servo Motor
- MotorDriving : SVPWM(Space Vector Pulse Width Modulation)
- Inclination : 0-25% (Unit Increment:1%), 1/6Hp Inclination Motor(Made in Korea)
- Dimension of Running Belt : 160(L) X 52(W)cm, Manufactured by Ameral, Netherland
- Running Deck : Dual Deck, No-Oil Supply
- Height of Running Belt : 18cm From The Floor
- Weight : 220kg
- User's Maximum Load Weight : 200kg
- Power Source : 220V, 60Hz

## ○ CNS-100

Cough & Suction



### \* Specifications

- Dimensions : 240(L) X 405(W) X 320(H)mm
- Weight : 11kg
- Power : 230V, 50/60Hz
- Maximum Negative Pressure : 70cmH2O
- Maximum Positive Pressure : 70cmH2O
- Pressure Gauge : -70 to 0 to +70cmH2O

### \* Blower Type

Two-stage centrifugal blower with AC/DC universal motor developed the unified model integrating cough & suction functions for the first time in the world.

### \* Features

While providing positive pressures to air way of patient, expiration pressure is maximized by rapid transformation, which is greatly impacting a person's ability to generate the forces essential for cough and decreases danger of respiratory complication by removing secretions of respiratory organ and lung effectively.(application of foot switch)

\* **Applicable Age** Children ~ Adults.

\* **Effects** Better effect than bronchus inhalation therapy, thorax percussion.

### \* Indications

Muscle disease accompanied by paralysis of respiratory muscles(muscle asthenia, muscular atrophy, Lou Gehrig's disease, Guillain-Barre, Multiple Sclerosis, Spinal cord damage), restrictive lung diseases.(pulmonary emphysema, cystic neoplasm)  
Convenient to use owing to the added suction function

# HE Series

## Hydraulic Circuit Training Equipment

### Upper Body



### Core Body



### Lower Body

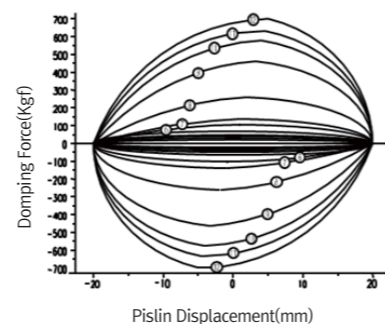


Hydraulic Training Equipment System Provide an optical training of the muscles and minimize damaging stress of the muscles and minimize damaging stress on the joints and connective tissue.

### \* Characteristic Curve

- 12 stage load control is available.
- As shown in the characteristic curve, damping force changes minutely in 1~6 stage within the limit of around 100[kgf] while it changes progressively in 7~12 stage within the range of 100~700[kgf]
- 1~6 stage gives minute load control for the elderly or for those in need of rehabilitation while 7~12 stage has much the same load control as the general sports machines.

Characteristics of Hydraulic Cylinder  
Damping force per stage in case of 0.05m/s



### \* Applicable Temperature

- Recommended temperature : 0°C ~ 60°C

### \* Characteristics

- Simple load control, no noise.
- Adjustable load in accordance with a user's condition
- Minute load control is possible

### \* Part Name

- ① Lower bearing.
- ② Upper bearing.
- ③ Positioning mark.
- ④ Load control knob.

