Hand Rehabilitation System SY-HR08E

>>> Specification

Product Name	Model	Size of Host	Charge Voltage	Charge Frequency
Hand Rehabilitation System	SY-HR08E	300*160*275 (mm)	100~240V	50~60Hz

>>> Standard Accessories

Name	Qty	Name	Qty
Host	1 pcs	Power-assisted glove [refined mode](S/M/L)	3 Pairs
Power-assisted glove [group mode](M)	1 Pair	Data glove	1 pcs
Manual Switch	1 pcs	Adapter	1 pcs
User Manual	1 pcs	Wrist Pillow	1 pcs
Ball	1 pcs	Dice	1 pcs
Qualified Certification	1 pcs		

SYREBO™

HAND REHABILITATION SYSTEM SY-HR08E

- ◎ Soft Robotic Exoskeleton Technology
- ◎ Active & Passive Integration Training
- ◎ Cover All Stages of Hand Rehabilitation

Hand Rehabilitation System SY-HR08E

Syrebo™ hand rehabilitation system combines soft robotic exoskeleton technology and neuroscience, integrates active training and passive training, covers all stages of hand rehabilitation, helps patients to relearn and recover hand motor functions via series of passive and active exercises, to restore self-reliance ability.

>>> Applicable people and departments

Patients with hand dysfunction caused by stroke, brain injury, cerebral palsy, hand trauma, orthopedic surgery, etc.

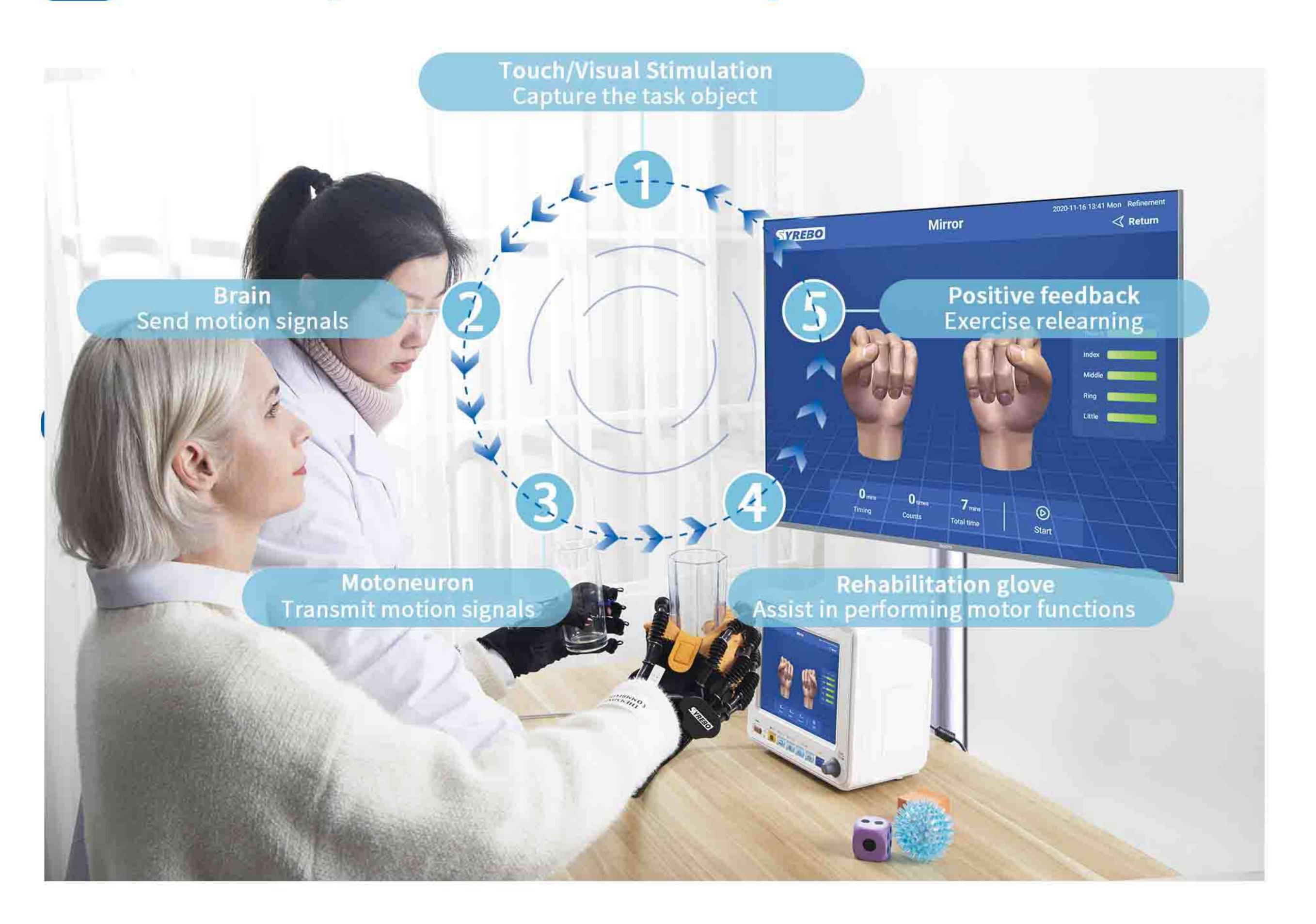| rehabilitation department | stroke center | neurosurgery department | neurology department | geriatric department | pediatric department | orthopaedic department | physiotherapy department |

>>> Central-Peripheral-Central closed-loop active rehabilitation mode

Touch/Visual Stimulation
Capture the task object

Brain
Send motion signals

Positive feedback
Exercise relearning

Motoneuron
Transmit motion signals

Rehabilitation glove
Assist in performing motor functions

>>> Function Introduction

1.Passive Training

The rehabilitation glove can drive the affected hand to execute flexion and extension exercises.

2.Task-oriented Training

With the help of rehab glove and on-screen 3d animation, users can interact with real objects, which could re-educate patients to use hand during the Activities of Daliy Living(ADLs).

3. Assistance Training

The high-precision sensor recognizes the weak flexion and extension movements of the affected hand, assists the patient to actively complete the flexion and extension hand activities, and accelerates the recovery of hand function.

4.Bilateral Mirror Training

The healthy hand is used to drive the affected hand to achieve grasping action. And the simultaneous visual effects and proprioceptive feedback (feeling and seeing hand) are able to stimulate patient's neuroplasticity.

5. Resistance Training

Syrebo glove will give the patient an opposite force, and the patient needs to complete the flexion and extension exercises under resistance.

6. Game Training

The traditional training content is combined with a variety of interesting games to allow patients to participate in the training more actively, thereby exercising ADL cognitive ability, hand strength control ability, attention, computing ability, etc.

>>> Unique Advantages

1. Refined Training Mode

Patients can perform the flexion and extension of single finger, finger end-to-end pinch training in multiple training scenarios, such as passive training, action-library, bilateral mirror training, functional training and game training.

2. Strength and Coordination Evaluation

Patients can perform strength and coordination assessments. Data-based reports allow therapists to track patients' progress.

3. Intelligent User Managment

A large number of user files can be established to record user training data, which is convenient for therapists to customize personalized rehabilitation programs.

Tip:

The host can be connected to a large screen to provide better audio and video effects and enhance the immersive experience.