



G1 Hand **Robotic Glove**

“EMG triggered robotic glove enhances hand movement”

The Newest Rehab tool for the hand

- ✓ A hand rehabilitation device that combines EMG electromyographic feedback with an armband and a flexible pneumatic robotic glove.
- ✓ Uses a flexible comfortable air-activated system.
- ✓ Multiple preset training programs for passive, active, resistive training and a mirror training component.
- ✓ Specific programs for full hand movements, fingertip touch training and single finger training, to promote gross and fine motor skills.
- ✓ Improves motor function, decreases muscle atrophy, and improves range of motion.

Who can benefit from the G1 Hand Rehab Technology?

Diagnosis includes but are not limited to:



- Stroke
- Multiple Sclerosis
- Brain Injury
- Spinal Cord Injury
- Other neurological conditions or injuries affecting the hand
- Orthopedic conditions affecting the hand



The Pneumatic Robotic Glove is:

- Carefully designed to simulate the human hand structure.
- Allows active, passive and resisted rehabilitation.
- Allows single finger movement for fine motor tasks such as finger opposition and various different grasps.
- Ability to adjust air pressure to adapt to a patient's specific strengths and weaknesses.

How does the EMG function work?

- The EMG Armband monitors the EMG signal from the healthy or involved limb.
- This triggers the robotic glove to initiate movement.
- The technology provides multiple functions of active learning:
 - Enhances patients motor function.
 - Promotes optimal learning.
 - Prevents muscle atrophy.
- The EMG armband on the affected limb to measure increases in muscle activity and volitional control and progression of the patient's recovery.

*“The perfect **innovative rehab tool** for both rehab and home settings”*

Innovative Operation

The mirror therapy setting promotes the autonomic recovery of the brain and central nervous system. This enhances the rehabilitation of the hand function





Operation



Connect the Rehab Glove

Insert the tracheal connector of the Rehab Glove into the controller. Pay attention to the direction of the tracheal connector and do not insert it backwards.

Wear the Rehab Glove

Please fit the Rehab glove according to the following steps:

1.



2.



3.



Step 1: Wear the Glove

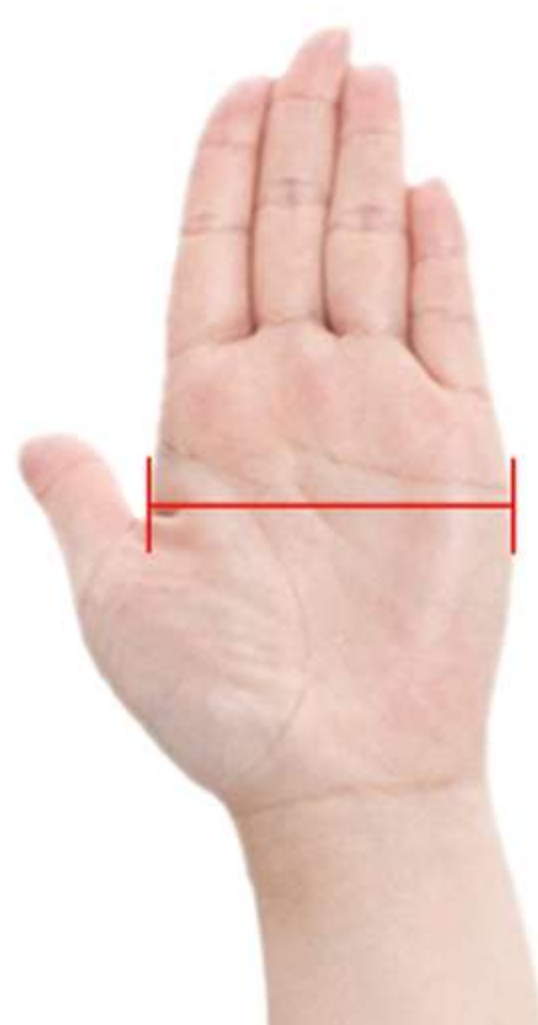
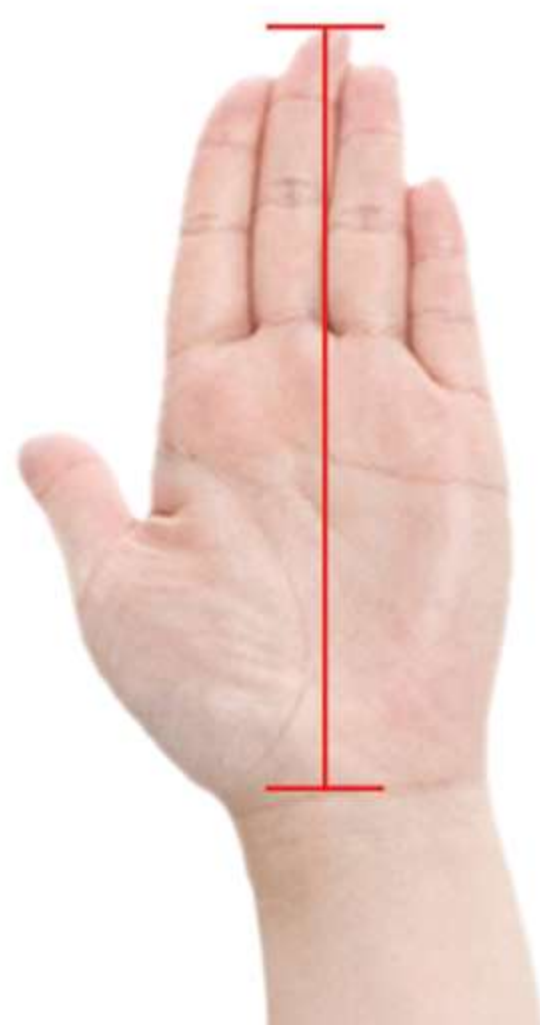
Note: Slide each finger into the top of the glove.

Step 2: Stick the wrist strap, pull the hand/finger strap tight and stick the hand/finger strap firmly.

Note: Pull the inside of the finger sleeve as far back as possible.

Step 3: Pull the tightening velcro belt from the palm to the back of the hand and stick it together firmly.

Note: There should be no gap in the wrist between wrist skin and glove when making a fist.



Size	Hand Length	Hand Width
S	5.7 - 6.5 inch	2.8 - 3 inch
M	6.3 - 7.3 inch	2 - 3.7 inch
L	7 - 7.7 inch	3.5 - 4 inch
XL	7.5 - 8.3 inch	3.9 - 4.5 inch