

# Saebo MyoTrac Infiniti



The **Saebo MyoTrac Infiniti** is a comprehensive, portable advanced biofeedback electrical stimulation system designed for orthopedic and neurological patients.



## Programs:

- Biofeedback
- Electrical Stimulation
- EMG Triggered Stimulation
- Reciprocal EMG Triggered Stimulation (RETS)
- Specialized Foot Drop Stimulation Program

## Features:

- Includes 65 protocols
- Create custom programs
- Save biofeedback sessions
- Touch screen navigation
- Portable & user friendly
- Rechargeable battery

## Why Saebo MyoTrac Infiniti?

What makes the **Saebo MyoTrac Infiniti** so unique is the advanced biofeedback triggered stimulation programs (EMG triggered stimulation and Reciprocal EMG triggered stimulation) along with the revolutionary foot drop treatment application. This all-in-one clinical solution provides a total body treatment like no other.

## What is EMG Triggered Stimulation (ETS)?

EMG Triggered Stimulation is the combination of biofeedback and stimulation. It is based on the client's own voluntary muscle activity or intentional movement. This "volitional" based application requires the client to actively participate (i.e., contract a muscle) in order to receive stimulation to the same area.

The clinician will set the prescribed threshold that the client must reach when activating his or her muscles. Once the client exceeds the preset level, he or she is rewarded with stimulation to the same muscles. Visual and auditory feedback allows the client to monitor progress. Through this cognitive relearning process, cortical plasticity can be achieved.

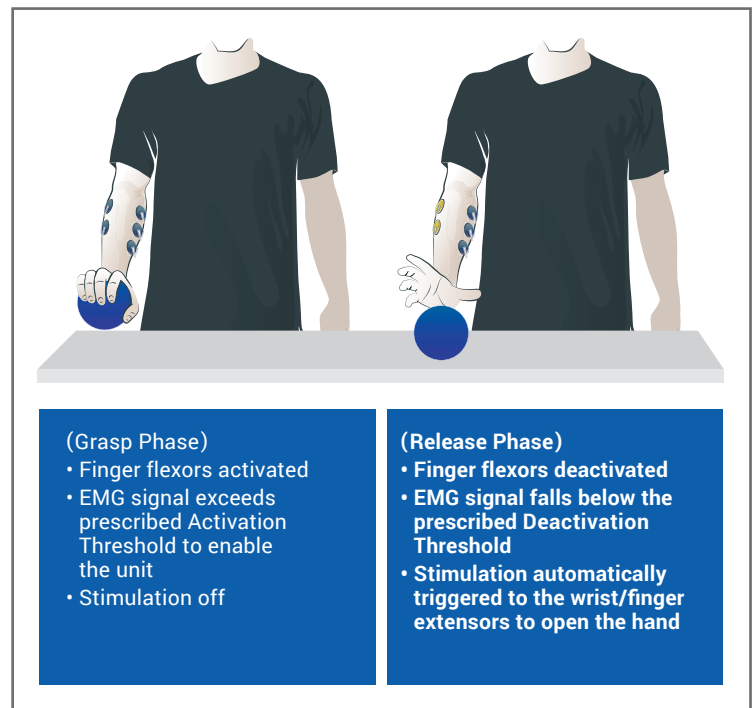


*The client controls the unit instead of the unit controlling the client.*

## What is Reciprocal EMG Triggered Stimulation (RETS)?

Saebo is pleased to introduce the exciting new patent pending Reciprocal EMG Triggered Stimulation program. The RETS program is ideal for clients with increased tone that have difficulty relaxing or “shutting off” the spastic muscles. The biofeedback stimulation program involves both the agonist and antagonist muscles and is triggered upon relaxation of a muscle instead of activation.

Stimulation is triggered to the desired muscle group (i.e., finger extensors, elbow extensors etc.) once the client deactivates or relaxes the opposing hypertonic muscle group (i.e., spastic finger flexors, elbow flexors etc.). Therefore, the emphasis is placed on relaxing the hypertonic muscles in order for stimulation to be triggered to the opposing weakened muscle group.

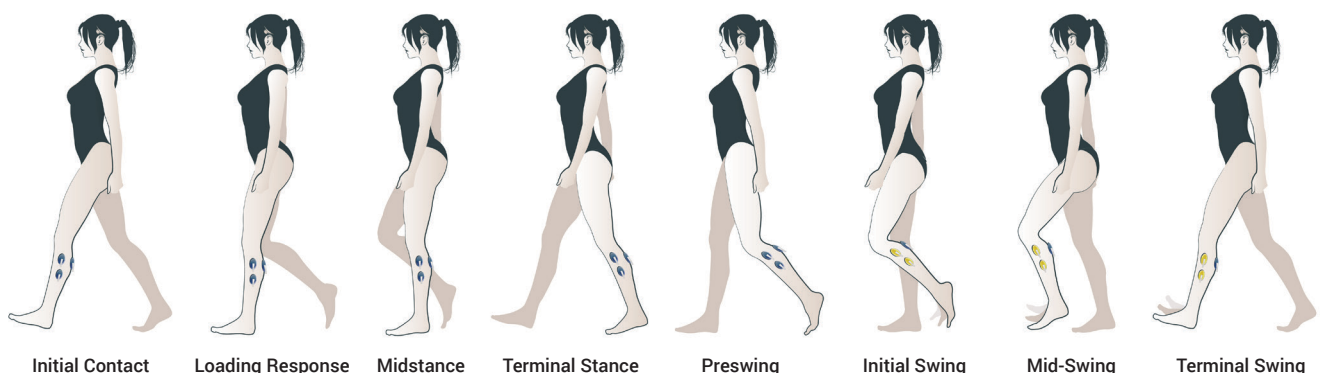


## New Revolutionary Approach For Foot Drop Treatment

Patients suffering from foot drop can also benefit from Saebo’s specialized biofeedback triggered stimulation technology. During the gait cycle, this unique foot drop stimulation system monitors the client’s very own EMG signal and triggers the stimulation to the nerve and muscles allowing the foot to lift and clear during walking.

The natural triggered event provides constant cueing to the client and assists him or her with problem solving new movements based on the principles of motor relearning. This advanced remedial approach to foot drop treatment is a paradigm shift with emphasis placed on correcting and improving one’s gait versus providing an adaptive compensatory triggered stimulation solution (heel switch or tilt sensor).

### Saebo Foot Drop Treatment Program



- Foot contacts the ground

- Plantarflexors Activated
- EMG signal exceeds prescribed Activation Threshold to enable the unit
- Stimulation off

- Foot lifts off the ground
- Plantarflexors Deactivated
- EMG signal falls below the prescribed Deactivation Threshold
- Stimulation automatically triggered to the dorsiflexors to lift the foot