



Also
suitable for
children

evomove®

Step by step to more
independence

The FES-System for Orthoses

Secure and Active

Activate the orthotic treatment
of your patient with
functional electrical stimulation (FES)

for diseases of the central
nervous system

Stroke • (Infantile) cerebral palsy • Traumatic brain injury
Multiple sclerosis • Incomplete paraplegia



One System – Many Opportunities

The evomove®-system actively supports a physiological gait pattern. Through the use of plantar flexion and/or the pretibial muscles in the corresponding gait phases, the functions of an ankle-foot-orthosis (AFO) are activated optimally and supplemented functionally.

- Stimulation of the triceps surae muscle in the early stance phase prevents hyperextension in the knee and later initiates knee flexion for improved forward movement of the leg (push-off).
- And/or the activation of the tibialis anterior muscle and the peronei musculature (fibular) improves the alignment in the orthosis via antagonist inhibition of the spastic musculature.



Natural gait pattern



Extension of walking distance & mobility



Reduced risk of falling



Tone regulation (Alignment)



Initiation of knee flexion (Push-Off)



Reduced genu recurvatum

The world's first concept,
which combines the advantages of orthoses and FES.

Functional Electrical
Stimulation



Muscular
activity



Individual
Orthosis



External
stabilization



Activation of the body's own structures
while maintaining
external stabilization and dynamic

Advanced Technology



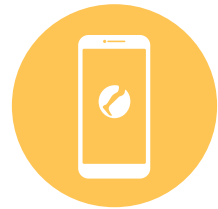
Control Unit

- 2 channels/muscle groups independently and individually configurable.
- Exact stimulation whilst every gait phase due to adaptive algorithms and 6D inertial sensor.
- Can also be easily integrated into any existing orthosis.
- Battery charges over new reversible USB-C technology and lasts the whole day.



Cuff

- Functional electrical stimulation (FES) induces muscular activity.
- The silicone carbon electrodes are individually sewn into the soft-shell cuff during manufacture.
- Possible to put on one-handed.



App

- No remote control necessary.
- User modes for patient and partner in one app.
- complete control and configuration of the evomove® via smartphone.
- Simple user interface
- ensure high compliance.
- Stimulation is configurable in two basic steps by the partner.

