

## *Exoskeleton Promotes Self-Initiated Walking*

# ReWalk™

The ReWalk™ is a wearable robotic exoskeleton that provides powered hip and knee motion to enable individuals with spinal cord injury (SCI) and other neurological conditions to stand upright, walk, and turn. The system allows independent, controlled walking while mimicking the natural gait pattern of the legs. The ReWalk™ technology is approved by the FDA for use in the home, at work, and in the community.

### **How does ReWalk™ work?**

The battery-powered system is a light, wearable exoskeleton with motors at the hip and knee joints. The individual controls movement using subtle changes in his or her center of gravity. A forward tilt of the upper body is sensed by the system, which initiates the first step. Repeated body shifting generates a sequence of steps, which mimics a functional natural gait.

### **ReWalk™ exoskeleton technology provides potential benefits:**

- Reduction of some medications and certain ailments
- Improved bowel and bladder function
- Improved mental health
- Improved sleep and reduced fatigue
- Decreased body fat
- Decreased pain
- Improved posture and balance



MARIANJOY

## Assistive Rehabilitation Technology Institute

The **Marianjoy Assistive Rehabilitation Technology Institute** offers solutions to everyday problems of daily living encountered by individuals with disabilities. The Institute consists of seven distinct centers which apply advancements in technology to benefit individuals with disabilities through maximizing functional independence, as well as expanding educational, vocational, recreational, and communicative opportunities.

- **Assistive Communication and Daily Living Center**
- **Balance and Vestibular Center**
- **Driver Rehabilitation Center**
- **Gait Analysis and Mobility Center**
- **Prosthetic and Orthotic Center**
- **Swallowing and Voice Center**
- **Wheelchair and Positioning Center**



To make an appointment or  
for more information, call

**630-909-7150**

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