Robot assisted gait training medical device





2014.05 | P&S Mechanics Co., Ltd.



Walkbot - Introduction

Trend of rehabilitation



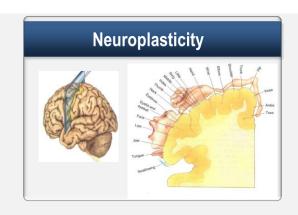




Just one therapist can manage

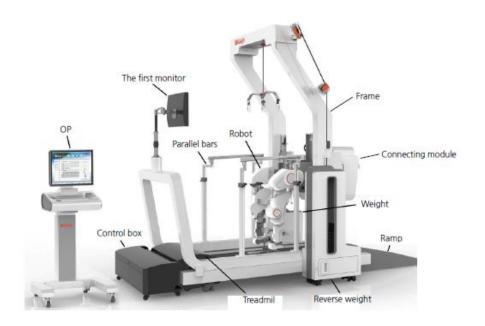
'High-Tech Robot assisted Training, Walkbot'

- + For neurological patients with stroke, traumatic brain injury(TBI), spinal cord injury(SCI), multiple sclerosis(MS), Parkinson's disease, cerebral palsy(CP), and more
- + Locomotion recovery through reorganization of cortical nerve system (Neuroplasticity)
- + Automated body-weight support system
- + Synchronization of robot orthosis and treadmill



Walkbot - Type of model

Walkbot_S (for adult)

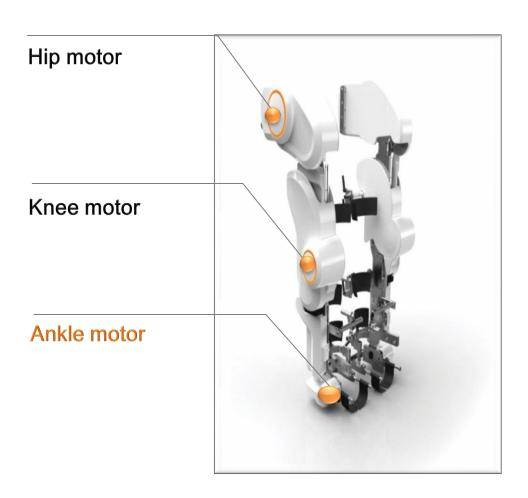


Walkbot_K (for Kids)



Walkbot - Features 1.

World's first ankle joint drive motor incorporated





Completion of satisfactory gait training method by introducing robot driven ankle joint



Preventing toe dragging and foot drop at the end of stance phase

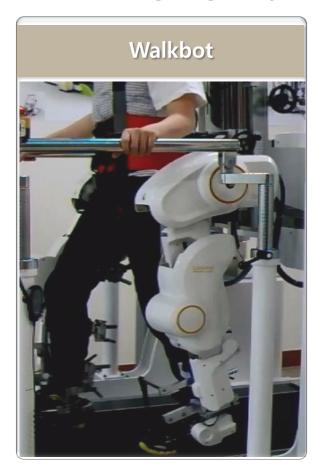


Straighten feet of patients with inversion or eversion due to plasticity



Walkbot - Features 2.

Automatic leg length adjustment system





More precise leg length adjustment (incremental adjustment by 1mm)



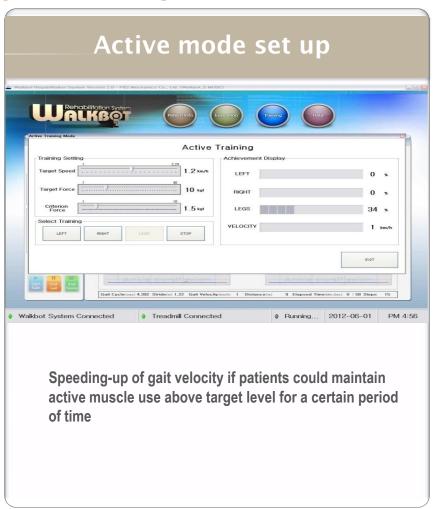
Training more patients due to automatic adjustment

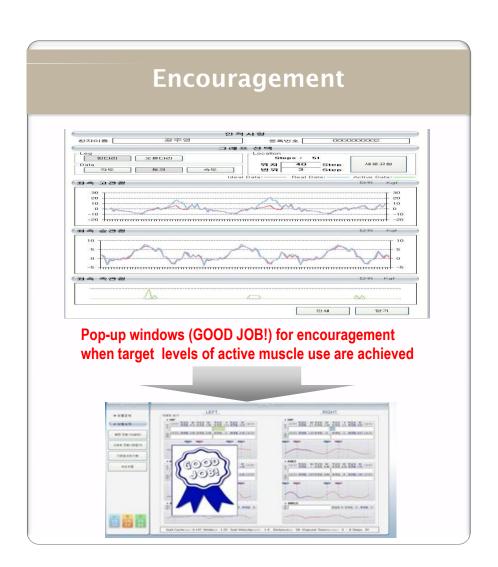


Generation of patient-specific gait pattern

Walkbot - Features 3.

Active training mothod





Walkbot_K

Dedicated to pediatric rehabilitation device





Pediatric orthosis – for patients with traumatic brain injury, cerebral palsy, spinal cord injury, etc.



Playground-like design



Stronger motivation and more attention by providing lots of fun elements



About us - History



2013 ~
Toward to the market worldwide

2005 ~ 2013

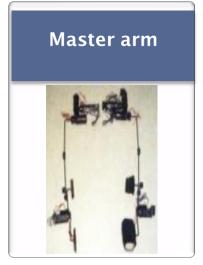
Development and Introduce the product

2003~2005年

Build robot technology

About us – Robot Technology

For last 10 years, we are focusing on humanoid robot development with government, KIST (Korea Institute of Science and Technology)











Reorganization of Rehabilitation Training through Introducing Walkbot!

New Trend in Rehabilitation

- + Drastic Increase of Aging Population
- + Increasing demand for Welfare
- + Application of advanced robot technology to medical science



Increased Demand for Rehabilitation Medicine

- + Application of state-of-the-art technology to rehabilitation medicine
- + Advanced evaluation tools
- + Enlarged institutional scope including sports medical centers

Website: www.walkbot.co.kr | Email: walkbot@walkbot.co.kr