



BEAR Series

- With IEC 60601 test report for safety and reliability.
- Biomechanical modeling, simulating natural human gait, achieving precise rehabilitation training
- Repetitive high-frequency walking training to improve walking ability and correct abnormal gait
- Continuous output of up to 50Nm torque, training in various functional modes, comprehensively improving lower limb mobility

Scope of Application

For rehabilitation training of individuals with lower limb motor dysfunction caused by stroke, applicable in the following places:

- Rehabilitation Department
- Neurology Department
- Neurosurgery Department
- Intensive Care Unit
- Other medical institutions with professional medical staff

Functional Mode



Continuous Walking Mode



Single-step Walking Mode



Marking Time Mode

Application Case

BEAR series rehabilitation robots are used in many hospitals and organizations, including Xuanwu Hospital of Capital Medical University, People's Hospital of Jiangsu Province, Xiangya Second Hospital of Central South University, Fifth Affiliated Hospital of Zhengzhou University, Third Affiliated Hospital of Zhongshan University, and Second People's Hospital of Shenzhen City.



Lower Limb Rehabilitation Robot

For different stages of adult rehabilitation treatment

Functional Features

Multiple modes, covering the entire rehabilitation cycle

Features continuous walking, single-step walking, marking time multiple functional modes, meeting the lower limb training needs of different stages of rehabilitation treatment.

Biomechanical modeling, achieving precise rehabilitation training

Simulates the movement of lower limb bones and muscles, providing stable support and precise motion assistance through external support and force transmission.

Not limited by space, training can be carried out anywhere

Occupies an area of $\leq 1 \text{ m}^2$, not limited by space, can perform in-place suspension training and ground walking training.

Dual locking device, leg length adjustment safe and durable

Bead pin combined with mechanical safety buckle device fixes the leg length adjustment position, stable and not shaking, safe and durable.

User-friendly wearable design, comfortable and quick

Based on bionic principles and combined with ergonomics, the robot fits the human body more closely, making it quick to wear and comfortable.

Can connect external devices, provide data support for scientific research

Can integrate brain-computer interfaces, EMG, FES, etc., providing data support for scientific research, meeting the needs of medical education and research development.

Product Specifications

Product Name	BEAR	Drive Joints	Bilateral hip and knee joints
Types	BEAR Series: A1、 A2、 A3、 A4	Applicable Weight	$\leq 100\text{kg}$
Modes	Continuous walking training, Single-step walking training, Marking time training	Applicable Height	155~190cm

MileBot Robotics Co., Ltd.

☎ Hotline: +86-755-86544279

✉ Email: milebot@milebot.com.cn

🌐 URL: <http://www.milebot.com.cn>

📍 B502, Shenzhen National Engineering Laboratory Building, Nanshan District, Shenzhen. China