



Rehabilitation Robotics & Advanced Systems

PRODUCT CATALOGUE



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the Catalogue

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**In Physiotherapy, Rehabilitation
& Occupational Health Solutions**



ABOUT US

IPEX Healthcare Limited is a Tanzanian based and Tanzanian registered company dealing with Importation, and Supply of Hospital consumables, Medical, Surgical and Laboratory equipment, supplies, devices and other related products and services in the medical and healthcare sector.

LOWER LIMBS EXOSKELETO ROBOTIC DUKON

LOWER LIMB EXOSKELETON ROBOT

The lower limb exoskeleton robot, designed based on bionics and ergonomics, is an external stent system that supports human weight and can provide power support to help patients improve limb function and motor function.

The lower limb exoskeleton robot is composed of a series of joints driven by motors, which can simulate human movement and carry out meaningful communication and interaction with the human body, helping patients train limb function, maximize the recovery of walking function, and improve quality of life.

★ PRODUCT ADVANTAGES

- The thigh, calf and stride height can be adjusted to better fit the patient's body structure
- The patient's movement trajectory can be recorded during use, gait assessment can be performed, and planning and prediction can be performed
- Load more than 100kg, suitable for the vast majority of patients
- With anti-rollover, fault alarm, emergency stop button, can ensure the safety of patients
- The use of environmentally friendly materials, simple shape, long-term use without deformation



PNEUMATIC REHABILITATION ROBOT

Pneumatic rehabilitation robot is an intelligent training device developed and produced by our company based on computer technology. It adopts bionic structural devices and the combination of sensing signals, and is used for the rehabilitation of hand joint function and overall body function rehabilitation. Can achieve a combination of hand function and whole-body activating massage.

★ PRODUCT ADVANTAGES

- Combining hand function with full-body massage
- Designed with ergonomics in mind, the air-powered gloves and mirror gloves fit the hand closely
- Prescription mode and custom mode are available for selection, with various modes suitable for different patients
- By point-touch imaging on the five fingers, you can train for single or multi-finger
- Multiple modes and parameters can be combined
- Various models are suitable for various grades of hospitals or individuals



FIZYOWALK-1000 -FIZYOMED



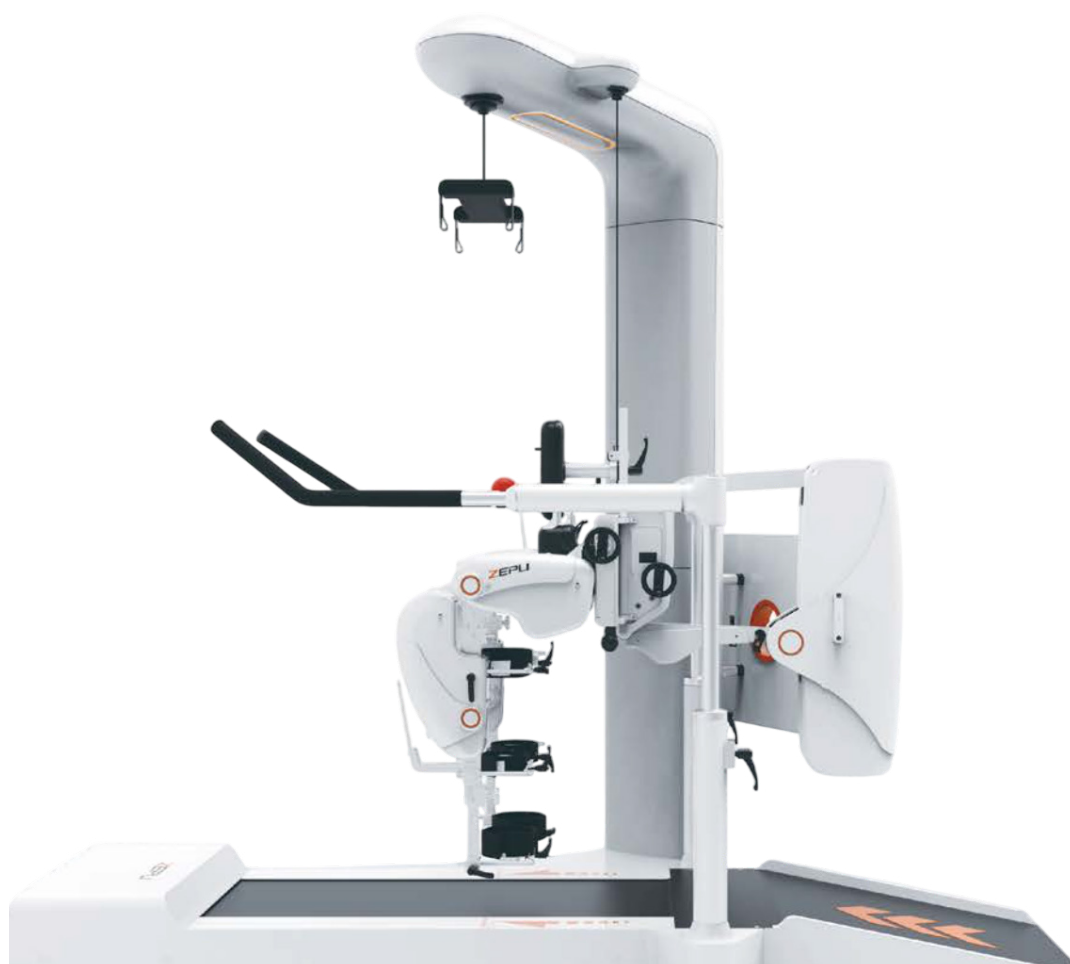
★ HIGHLIGHTS

- Electromechanical gait system
- Special design for patients who have lost the ability to walk and have a walking disorder
- Ability to walk patients in a natural and physiological walking pattern
- Ability to dynamically adjust to patient weight
- Fixing the patient posture
- Motivating the patient in different virtual platforms with an increased feedback system, providing constructive functional feedback
- Adjustable supported or unsupported walking options
- Touch-operated and easy-to-use control panel
- Patient self-viewing monitoring screen with a high-definition camera
- Ability to use it as a normal treadmill
- Can be added to the treadmill, slow walking options for very slow speeds
- Ability to register a trackable patient • Stopping for emergencies

TECHNICAL SPECIFICATIONS

Güç Girişi / Power Supply	220/380 V 50/60 Hz Motor(engine): 3
Hasta Taşıma Kapasitesi/ Patient Carrying Capacity	200kg
Robotik Yürüme Ortezinin hızı / The speed of Robotic Walking Orthosis	0,1 – 6 km/saat
Kontrol ekranı / Control monitor	Dokunmatik(Touch-operated) 7" Panel
Monitor + Bilgisayar (Monitor + Computer)	32" All in One
Sistem Ağırlığı / System Weight	430 kg
Boy / Length	225 cm
Rampa boyu / Ramp length	100 cm
Eni / Width	115 cm
Yüksekliği / Height	300 cm
Opsiyonel Aksesuar / Optional Accessories	Fizyowalk S
Sertifikalar / Certificates	EN ISO 13485:2016
Garanti / Guarantee	2 Yıl

AI REHABILITATION ROBOT SERIES ZEPU



ZEPU -X6&8

Lower limbs feedback training and evaluation system



ZEPU-X6



ZEPU-X8

★ FEATURES

- Super early functional gait training.
- Situational interactive biofeedback, quantifiable data evaluation.
- Lying, sitting, standing a variety of position change, prevent long-term bed and reduced movement caused by complications.
- Efficient repetitive and precise training.

ZEPU-X6/8 TECHNICAL SPECIFICATIONS

Size (mm):	2750x1100x2350 (LxWxH)
Weight:	205kgs/210kgs

ZEPU-AI1



★ FEATURES

- Five axis linkage technology. Autonomous and controllable, adaptive perception change, and automatic matching of human motion.
- Dynamic weight loss and longitudinal center of gravity driven augmentation. Providing gait therapy that best fits the physiological characteristics of the human body. Guidance can be adjusted in real time.
- Provide patients with three modes of free switching: passive, assisted and active.
- Human-computer interactive training. Perceiving subtle changes of patients, improves the recovery effect in virtual reality.

ZEPU-AI1 TECHNICAL SPECIFICATIONS

Size (mm):

2960x1570x2650(LxWxH)

Weight:

600kgs

ZEPU-AI2



★ FEATURES

- Space transmission.
- 6-DOF manipulator.
- Both left and right. Exclusive upgrade of left and right arm side change technology.
- Strength according to the actual needs of the upper arm and the lower arm.

ZEPU-AI2 TECHNICAL SPECIFICATIONS

Size (mm):

1000x880x(1065-1465) (LxWxH)

Weight:

60kgs

ZEPU-AI3

Lower limbs feedback training and evaluation system

★ FEATURES

- AI intelligent learning.
- Gait walking training.
- Lying, sitting, standing position.
- Panoramic sound entertainment enjoy rehabilitation.



ZEPU-AI3 TECHNICAL SPECIFICATIONS

Size (mm):	2500x830x1240(LxWxH)
Weight:	265kgs

ZEPU-AI4

Multi-joint isokinetic training and evaluation system

★ FEATURES

- It covers 10 training modes and provides a “one-stop” full cycle service for musculoskeletal rehabilitation.
- Magnetic adsorption technology.
- Six available extenders.
- Human-computer interactive training.



ZEPU-AI4 TECHNICAL SPECIFICATIONS

Size (mm):	740x540x(1045-1445) (LxWxH)
Weight:	50kgs

ZEPU-AI5

Lower limbs muscle strength training and evaluation system

★ FEATURES

- Data analysis of assessment and training.
- The human-computer interaction of the rehabilitation training mode.
- Squat training.
- Muscle strength training.



ZEPU-AI5 TECHNICAL SPECIFICATIONS

Size (mm):	2060x775x1443(LxWxH)
Weight:	180kgs

ZEPU-AI6 PLUS

Three-dimensional upper limb active and passive training and evaluation system

★ FEATURES

- Intelligent assessment, artificial intelligence improves quality and efficiency.
- The latest technology in rehabilitation, imitating true feelings.
- Both active and passive modes are available.
- Three-dimensional space to improve sports performance.
- One-click switching between left and right arms.



ZEPU-AI6 PLUS TECHNICAL SPECIFICATIONS

Size (mm):	1000x750x1270(LxWxH)
Weight:	50kgs

ZEPU-AI7A&B&D

Active and passive exercise system



ZEPU-AI7A/B



ZEPU-AI7D

★ FEATURES

- It has four training modes: upper limb training, lower limb training, upper and lower limb freedom, and upper and lower limb coordination.
- A variety of prescriptions are preset, and users can also customize prescriptions
- and import and export through USB flash drives.
- With muscle strength assessment function.
- A variety of 2D and 3D therapy games built into the training mode.
- With real-time feedback function.
- 10.1-inch color LCD touch display control.
- Body height adopts electric adjustment.
- Upper limb and lower limb accessories are available for bedside type.

ZEPU-AI7A/B

Size (mm): 1000x750x1270(LxWxH)

Weight: 50kgs

ZEPU-AI7D

Size (mm): 1170x580x1050(LxWxH)

Weight: 70kgs

ZEPU-AI8

Electric rehabilitation training bed



★ FEATURES

- The electric rehabilitation training bed is an electric push rod driven device under software control. By adjusting the tilt angle, the patient fixed on it will produce its own gravity, allowing patients with hemiplegia, paraplegia, brain injury, etc. To complete the transition from supine to standing and the center of gravity from low to high, allowing the patient to fully adapt to the standing position.

ZEPU-AI8 TECHNICAL SPECIFICATIONS

Size (mm):

2150x1040x(450-800) (LxWxH)

Weight:

280kgs

ZEPU-AI9

Electric rehabilitation training bed

★ FEATURES

- The hip and knee joints are used to drive patients to take normal walking movements, providing a new way of upright walking rehabilitation training.
- Track and evaluate, quantify the occurrence of spasms, and protect the safety of training.
- Gait analysis and visual training status improve the efficiency of rehabilitation training.
- Situational interaction mode to enhance training enthusiasm.



ZEPU-AI9 TECHNICAL SPECIFICATIONS

Size (mm):	900x1250x(1240-1690)(LxWxH)
Weight:	120kgs

ZEPU-AI10

Dynamic and static balance evaluation and training system

★ FEATURES

- It uses robotic technology to integrate dynamic and static balance training and assessment.
- Static balance assessment captures and analyzes the movement trajectory of the patient's center of gravity, that is the center of gravity trajectory map.
- Dynamic balance assessment assesses the patient's balance function by recording changes in the patient's inclination on a force plate.
- Equipped with intelligent software system.
- Combined with situational interaction.



ZEPU-AI10 SPECIFICATIONS

Size (mm):	2743x1145x1464 (LxWxH)
Weight:	205kgs

WHY CHOOSE IPEX HEALTHCARE?



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