



Dynamic Weightless Ceiling Hoist System

Modde : CL100-C



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The system offers patients safe and sufficient support and protection in ward corridors, rehabilitation halls and other such areas, enabling the delivery of balance function training and body weight-supported gait training. It is indicated for patients with lower limb dysfunction caused by stroke, fractures and traumatic injuries. The overhead track system is adopted to carry out gait training, sitting and standing training as well as balance function training, which improves patients' motor ability and safeguards their safety during training. This equipment can be combined with a variety of rehabilitation devices to meet the training needs of patients at all recovery stages, and is suitable for rehabilitation halls in medical institutions.

Central Control Console

It features intelligent control and real-time monitoring of all training parameters, and enables real-time adjustment of all dynamic parameters of the main unit – including translational acceleration and speed. It also allows for the adjustment of the adaptive range of sling lifting and lowering, facilitating safer and more comfortable training sessions.

Tablet Controller

The tablet controller can synchronize with the central control console to perform all operations and features wireless connectivity. Medical staff can carry the controller to accompany patients during all training sessions, and make timely adjustments based on the real-time training status, thus providing patients with more professional and comprehensive services.



■ Indications

- Neurological Rehabilitation:** Gait training for patients with cerebrovascular diseases, traumatic brain injury, spinal cord injury and other related conditions.
- Musculoskeletal System Rehabilitation:** Gait training for patients post joint replacement surgery, as well as those with fractures, amputation, sports injuries and other musculoskeletal disorders.
- Geriatric Rehabilitation:** Transfer and gait training for elderly patients with mobility impairment.
- Pediatric Rehabilitation:** Gait training for children with cerebral palsy.
- Other Rehabilitation Scenarios:** Transfer and gait training for patients with Parkinson's disease and obese patients.



■ Contraindications

This device is contraindicated in patients with unhealed lower limb fractures, joint injuries in the unstable phase, severe bleeding tendency, orthostatic hypotension, severe osteoporosis, severe cognitive impairment and other such conditions.

FUNCTIONAL CHARACTERISTICS



Dynamic Weight Reduction Function

The device is equipped with high-precision built-in sensors for dynamic sensing. It can adjust the sling height in real time based on the patient's condition and deliver a nearly constant supporting force to the patient. This function is applicable for functional movement training in early-stage patients, including gait training, sitting and standing training, core balance training and other such exercises.



Electric 4-Way Movement Function

The device features electrically controlled vertical lifting and horizontal translation, and is easy to operate.



Adaptive Function

The system is equipped with an adaptive adjustment function, which can make automatic adjustments in accordance with the patient's movement direction, movement speed, center of gravity height, weight reduction parameters, site terrain and other relevant factors during exercise.



Fall Prevention Function

Via built-in sensors, it real-timely monitors the patient's center of gravity deviation. The lifting belt operates within a safe and effective movement range, providing real-time protection for patients.



Full-Track Charging System


The device requires no additional power connection and can be charged directly on the track, ensuring it remains powered at all times.



Weighing Module

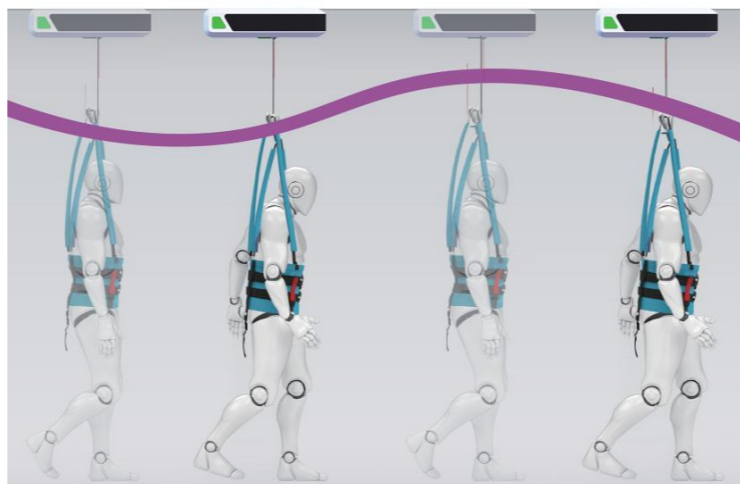
The device is equipped with a built-in weighing module that can measure the user's body weight with an accuracy of 0.5 kg, facilitating real-time tracking of changes in the user's body weight.

MULTIPLE MODES



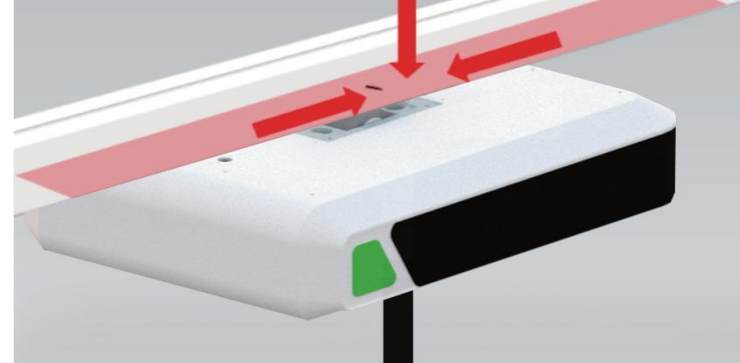
Sitting and Standing Training Mode

The system monitors the user's center of gravity changes, assists the user in performing sitting and standing training, automatically adjusts the supporting force for vertical lifting and lowering, and provides reliable safety protection.



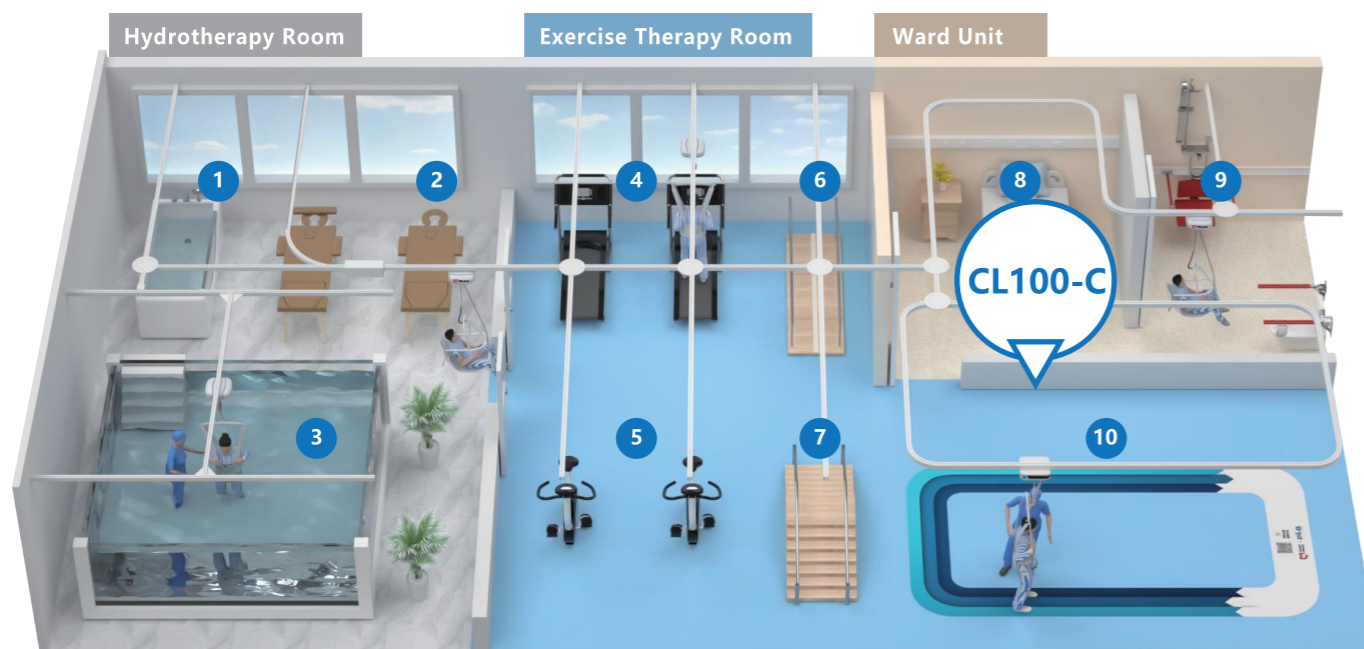
Gait Training Mode

This mode features intelligent and automated operation. The system can advance synchronously in accordance with the user's walking speed; the trigger sensitivity is adjustable as required, and it is equipped with a reverse lock protection device to safeguard user safety.



Fixed-Point Balance Training Mode

It adopts a built-in integrated design and safeguards user safety.



Training application

EARLY MOBILIZATION

The system can assist patients with muscle strength below Grade 3 in conducting early passive or active bed training. Its lifting and lowering function enables passive joint movement for patients, preventing joint stiffness and muscle atrophy.

CIRCULATION MANAGEMENT

With the walking sling, the system can assist patients and elders in achieving bedside standing, independent standing and ambulation. It provides considerate and secure standing protection, supporting users to stand and walk, and effectively promoting systemic blood circulation in the body.

- ① Single hydrotherapy ② Manual therapy area ③ Comprehensive hydrotherapy ④ Training treadmill
- ⑤ Rehabilitation power bike ⑥ Balance bar ⑦ Training ladder ⑧ Bed unit
- ⑨ ADL bathroom training ⑩ Dynamic weight loss walking training area