

上肢手臂智能康复机器人反馈训练系统A350

产品名称	上肢手臂智能康复机器人反馈训练系统A350
公司名称	力迈德医疗（广州）有限公司
价格	.00/个
规格参数	
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产品详情

上肢智能反馈训练系统（手臂机器人）A350

A350- 标准版

A350- 高级版

A350- 豪华版

产品介绍：

手臂机器人是以神经可塑性原理为理论基础，实时模拟人体手臂运动规律设计的一款先进上肢康复训练设备；远端驱动三轴技术伸缩臂，在三维空间内自由活动，满足各种不同肌力患者上肢从早期被动运动到后期主动运动的上肢功能性康复训练，患者在不同康复阶段可选择不同的功能性运动模式，循序渐进训练以及不断的大量重复性运动促进上肢康复进程。

The design of Intelligent Upper Extremity Rehabilitation Feedback Training System A350 is based on neuro-plasticity principle and it comprised of advanced technology. This system is operated on a three-axis telescoping arm, so user can move freely in 3D space. And it provides the upper limb functional training platform for patients from early stage to late stage in difference physical condition. It also provides a safe motorized passive movement, as well as active resistive muscle training and other training modes to meet different medical conditions. A350 can accelerate the remediation process and fast progressing therapy. In terms of improving daily functioning, self-initiated upper extremity repetitive training program includes coordination, muscle strength, range of motion and grasp training allows incremental improvements on the way to the long-term goal.

功能特点：

- 1.实现主动、被动、主被动三种运动模式训练，适合各种肌力等级患者的治疗
- 2.远端驱动三轴技术伸缩臂，实现三维空间内ADL训练
- 3.电刺激（FES）与上肢运动训练相结合（高级版）
- 4.专业的评估功能，可针对患者不同的上肢能力进行评估，如主/被动关节活动度、目标追踪准确性等
- 5.大量临床经验设计的ADL训练程序和训练游戏，可增强训练的趣味性，提升患者主动参与的兴趣
- 6.各个关节活动参数、运动速度可调，满足不同肌力及关节的活动需求
- 7.在训练过程中，系统自动辨别痉挛，保护患者训练安全

- 1.This system provides a safe motorized passive movement, as well as motor-assisted and active resistive muscle training for different medical conditions.
- 2.The three-axis telescoping arm operation technology enable user carry out ADL training freely in 3D space.
- 3.Functional electrical stimulation (FES) combined with physiotherapy induced better outcomes. (Deluxe version only)
- 4.Kinematic data of assessment such as active or passive ROM,target tracking accuracy leads to better performance.
- 5.Implementation of the interactive training system in ADL training program to promote user motivation and engagement.
- 6.Enable quick setting of different parameter such as range of motion, speed of movement.
- 7.Integrated spasticity detection system recognizes and helps manage episodes of spasticity.

治疗作用：

- 1.预防上肢肌肉萎缩，激发肌肉残存力量，增强上肢肌肉力量和耐力
- 2.改善上肢关节活动度，促进关节的灵活与协调性
- 3.改善脑功能和促进大脑神经沟通，迅速提高患者上肢运动能力
- 4.缓解痉挛

- 1.Improve muscle strength and endurance, prevent muscle atrophy
2. Improve range of motion and coordination of upper extremity
- 3.Enhance motor recovery related to neural plasticity and enhancing recovery outcome
- 4.To reduce spasticity

适应症：

脑血管疾病、严重脑外伤或其它的神经系统疾病造成上肢功能障碍及手术后恢复上肢功能的患者

Application in the field of neurology: e.g. stroke, severe traumatic brain injury or other upper limb motor impairments associated with neurological disease and post-surgery patients.