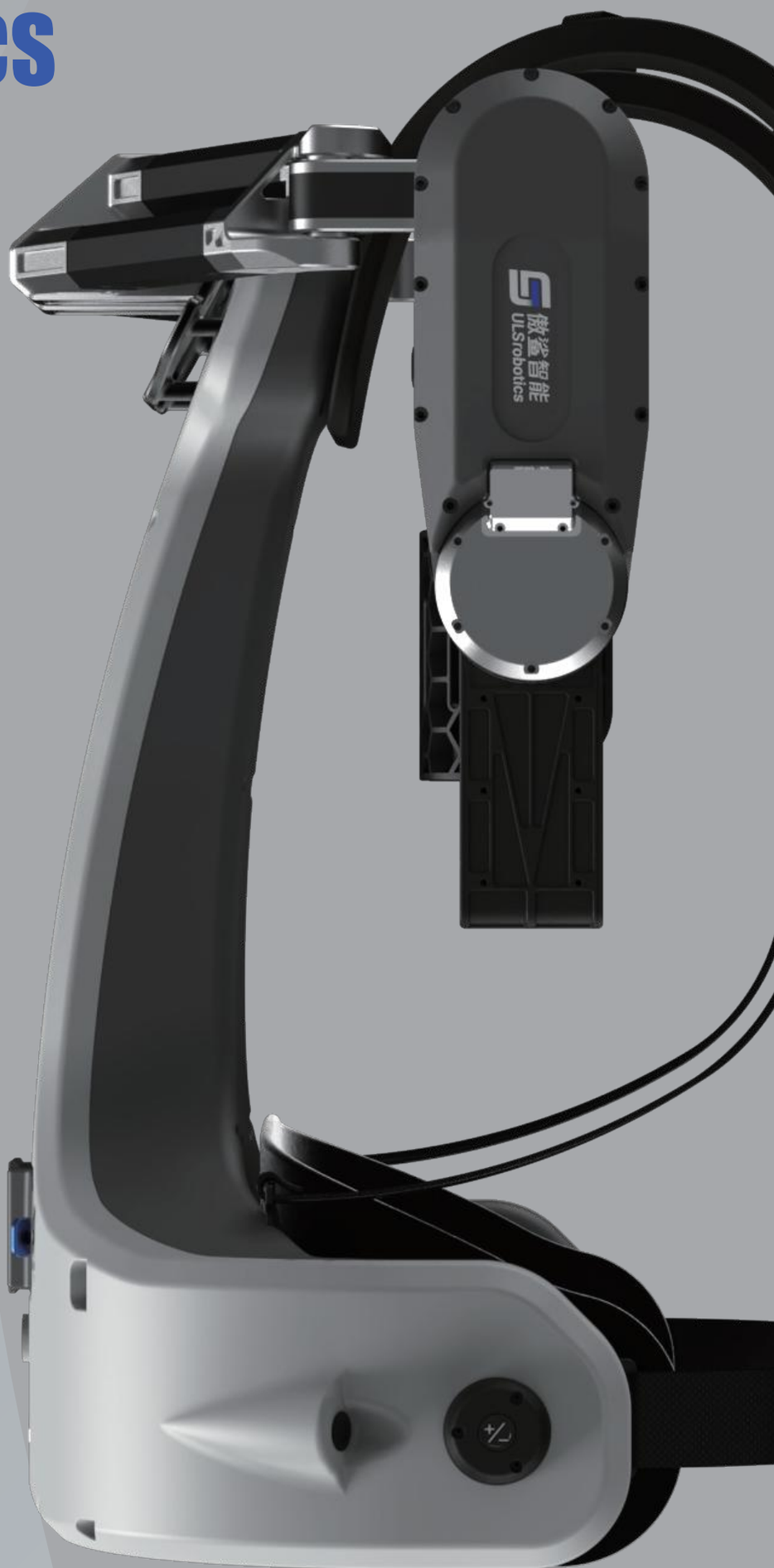
ULS ROBOTICS
MAPS-E

Upper limb exoskeleton robot

Double-arm assistance

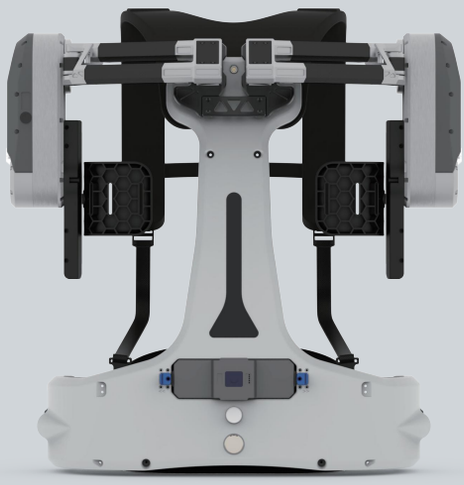
20kg



傲鲨智能 ULSrobotics (2023)

Side

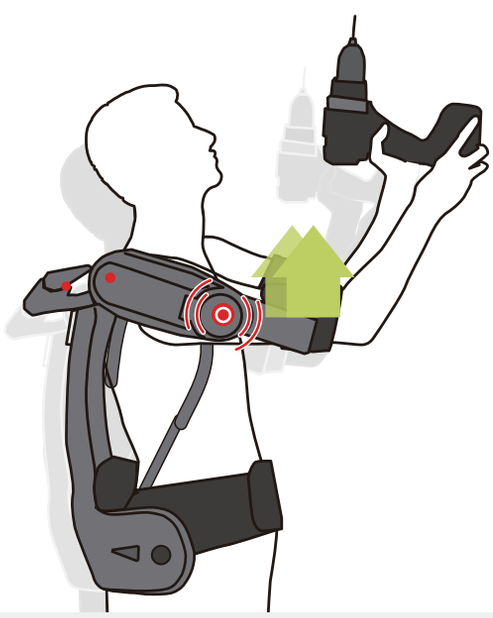
Back



MAPS-E

Upper limb exoskeleton robot

The MAPS-E upper limb exoskeleton robot consists of upper limb control system, shoulder control system and master control integration system, which provides intelligent electric assistance for users' shoulders, arms and waist. The product is equipped with the self-developed motion control card and supporting drive unit. For heavy duty positions, it lifts the labor burden of workers by more than 50%, reduce the loss of workers, and optimizes production efficiency. As it accumulates usage data and learning capabilities, the exoskeleton will provide valuable recommendations to enterprise managers regarding worker efficiency and health based on data analysis.



赋能人类 无限力量

EMPOWER HUMAN BEING INFINITE

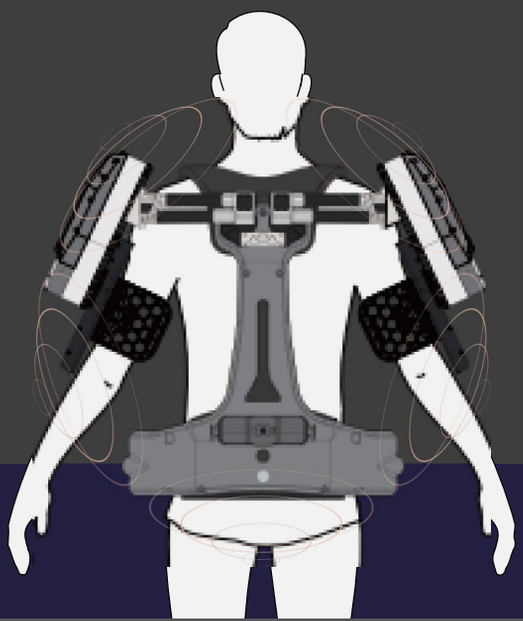
Technology lights up a better life

MAPS-E is an exoskeleton developed to create a healthy working style for everyone and reduce the burden and pressure caused by lifting work.

Application industry

Factory production line / Logistics handling / Physical lifting / Automobile manufacturing

For more information, please follow our WeChat official account



- Terminal sensor
- Extension interface for mechanical sensor
- Intelligent motion control unit
- Double feedback position sensor system
- Force impedance control technology
- Position sensor
- Long battery life
- Integrated drive unit

Features of MAPS-E upper limb exoskeleton robot

- Save manpower and reduce work intensity
- Increase endurance and work efficiency
- Reduce work-related injuries and insurance claims
- Replace lifting equipment, with low cost and high efficiency

SPECIFICATIONS

Equipment dimension	505×570×270 (mm) (L * W * H)
Suitable bodyweight	40~95kg
Assisting effect	⩾50%
Product weight	⩽7.3kg
Power source	Electric assist drive
Auxiliary force	20kg
Ambient temperature	- 20°C~50°C
Working time	6~8 h
Battery	Lithium battery 36V
Degree of freedom	2 active degrees of freedom, 2 passive degrees of freedom
Material	Engineering plastics, aviation aluminum alloy, carbon fiber

EMPOWER HUMAN BEING INFINITE

傲鲨智能
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