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# FIT-U **PRO**

UPPER LIMB Exoskeleton Robot

**ULS ROBOTICS**



# FIT-U PRO

UPPER LIMB Exoskeleton Robot

The FIT-U PRO upper limb exoskeleton robot consists of an upper limb control system, a shoulder control system, and an integrated control system, providing intelligent electrical assistance for the user's shoulders, arms, and waist. The product features a self-developed motion control card and matching drive units. It provides strong support for enterprises in heavy physical labor positions by reducing the labor burden of workers by more than 50%, reducing worker turnover, and improving production efficiency. The exoskeleton's gradually established data collection and learning capabilities will provide valuable suggestions for enterprise management personnel on employee efficiency and health data analysis in the future.

- Bottom sensor
- Motion Control Unit
- Impedance Control
- Lithium battery
- Sensor Interface
- Dual Feedback Position
- Position Sensor
- Integrated Drive Unit

## 『 FIT-U PRO 』 FEATURES

- Reduce Work Intensity
- Enhance Work Efficiency
- Reduce Occupational Injuries
- Low Cost, High Efficiency



## APPLICATION INDUSTRIES



Airport Ground Services



Power and Mining



Physical Lifting



Automobile Manufacturing



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## SPECIFICATIONS

Device Dimensions	(600mm-680mm)×572mm×220mm (L * W * H)
Device Weight	3.9kg
Power Source	Electrically Assisted Drive
Bilateral Assistance	10-20kg
Ambient Temperature	-20°C-50°C
Working Time	3-8h
Battery	36V Lithium Battery
Degrees of Freedom	8
Materials	Nylon Engineering Plastic, Aviation Aluminum Alloy, Carbon Fiber

