



# FITU

Electric Upper Limb  
Exoskeleton Robot



# FIT-U

Upper Limb Exoskeleton Robot

The FIT-U 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.



Independent Bilateral Arm Assistance



Quick-detachable Lithium Battery











Adjustable Size

## APPLICATION INDUSTRIES



Airport Ground Services / Power and Mining / Physical Lifting / Automobile Manufacturing



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

『 FIT-U Upper Limb Exoskeleton Robot 』 Features



Reduce Work Intensity



Enhance Work Efficiency



Reduce Occupational Injuries



Low Cost, High Efficiency

SPECIFICATIONS

Device Dimensions	(600mm-680mm)×572mm×220mm (L * W * H)
Device Weight	3.9kg / (Pro: 4kg)
Power Source	Electrically Assisted Drive
Bilateral Assistance	10kg / (Pro: 15-20kg)
Ambient Temperature	- 20°C-50°C
Working Time	2-5h / (Pro: 6-8h)
Battery	36V Lithium Battery
Degrees of Freedom	8
Materials	Nylon Engineering Plastic, Aviation Aluminum Alloy, Carbon Fiber

Side View



Back View

