



# ULS ROBOTICS FIT-U

Upper Limb Exoskeleton Robot

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[www.ulsrobotics.com/en/](http://www.ulsrobotics.com/en/)

# Overview

The Flex Interaction Tech 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.

## SPECIFICATIONS

|                            |   |
|----------------------------|---|
| <b>Equipment dimension</b> | (600mm-680mm)×572mm×220mm (L * W * H)       |
| <b>Suitable bodyweight</b> | 40~100kg                                    |
| <b>Assisting effect</b>    | ≥50%  |
| <b>Product weight</b>      | ≤3.9kg                                      |
| <b>Power source</b>        | Electric assist drive                       |
| <b>Auxiliary force</b>     | 20kg  |
| <b>Ambient temperature</b> | - 20°C~50°C                                 |
| <b>Working time</b>        | 6~8 h                                       |
| <b>Battery</b>             | Lithium battery 36V                         |
| <b>Degree of freedom</b>   | 4   |
| <b>Material</b>            | Nylon plastic, aluminum alloy, carbon fiber |

