

PESU

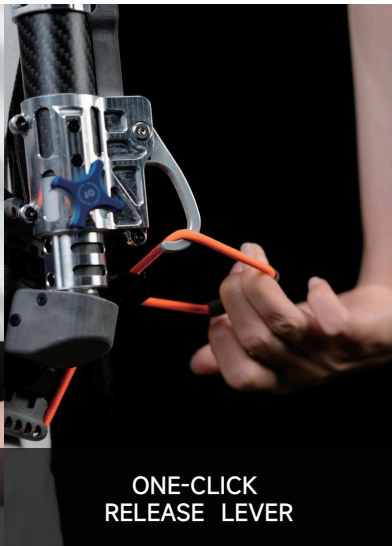
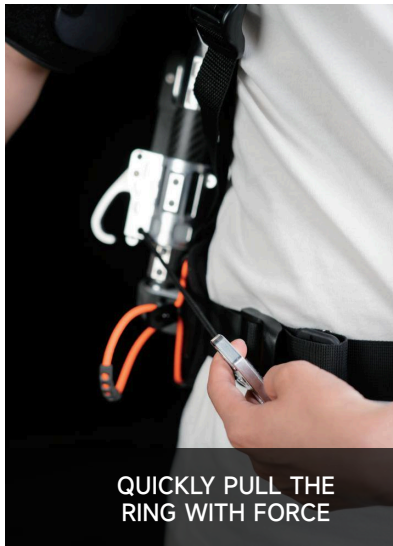
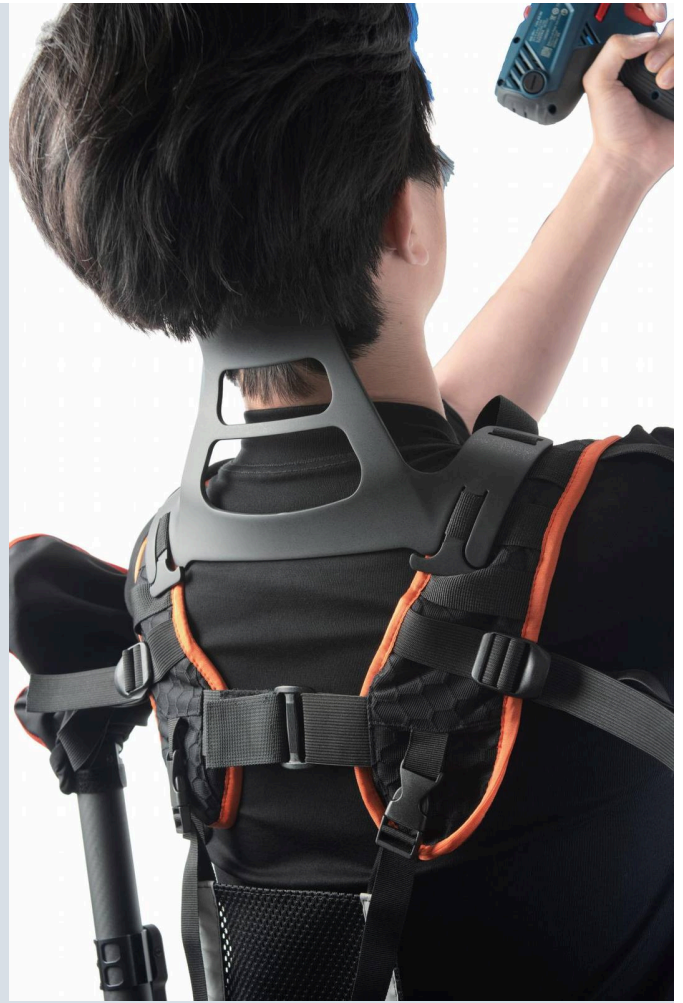
Passive Elastic System
Upper Limb

PES-U

Passive Elastic System Upper Limb

PES-U (Passive Elastic System - Upper Limb) is an electromechanical energy storage exoskeleton for the upper limbs. It is independently developed and designed by ULS Robotics and is specifically used to provide mechanical assistance to users' necks, shoulders, and arms.

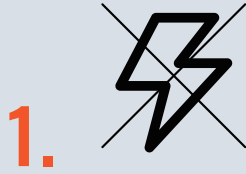
The energy storage upper limb exoskeleton product is mainly designed for physical labor positions in enterprises. It aims to reduce the labor burden of workers' lifting work and the pressure of long-term neck lifting, effectively reducing the load by more than 30%, providing great support and guarantee for improving production efficiency.



APPLICATION INDUSTRIES



Airport Ground Services / Electricity & Mining / Factory Manufacturing / Automobile Manufacturing



1.

NO CHARGING REQUIRED

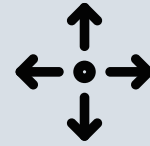
Mechanical Energy Storage Drive
No Charging Required
No Restrictions on Usage Locations and Operating Time



2.

NECK SUPPORT

Ergonomic Design
Providing Neck Support & Lifting Effectively
Preventing Fatigue and Injuries



3.

MULTIPLE POSTURES AVAILABLE

Wide Movement Range
Smooth Movement in All Directions



4.

LIGHTWEIGHT DEVICE

Lightweight and Durable Material
Net Weight 2.1kg



5.

EASY TO PUT ON

Comfortable to Wear
Easy to Use Can Be Easily Put On Within 1 Minute



6.

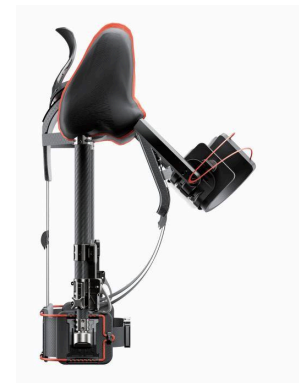
DUSTPROOF & WATERPROOF

Suitable for Outdoors or Humid Weather
Removable & Washable Soft Components

SPECIFICATIONS

| | |
|---------------------------------|--|
| Device Dimensions | 610-690×520×175 (mm) (L × W × H) |
| Suitable Weight Range | 40-100kg |
| Assistive Effect | 30% |
| Product Weight | 2.1kg |
| Power Source | Mechanical Power |
| Comprehensive Assistance | 10kg (MAX FOR BOTH ARMS) 5kg (MAX FOR BOTH ARMS) |
| Ambient Temperature | - 20°C~50°C |
| Service Life | >2 million cycles |
| Degrees of Freedom | 8 |
| Materials | Nylon Engineering Plastic, Aviation Aluminum Alloy, Carbon Fiber |

Side View



Back View

