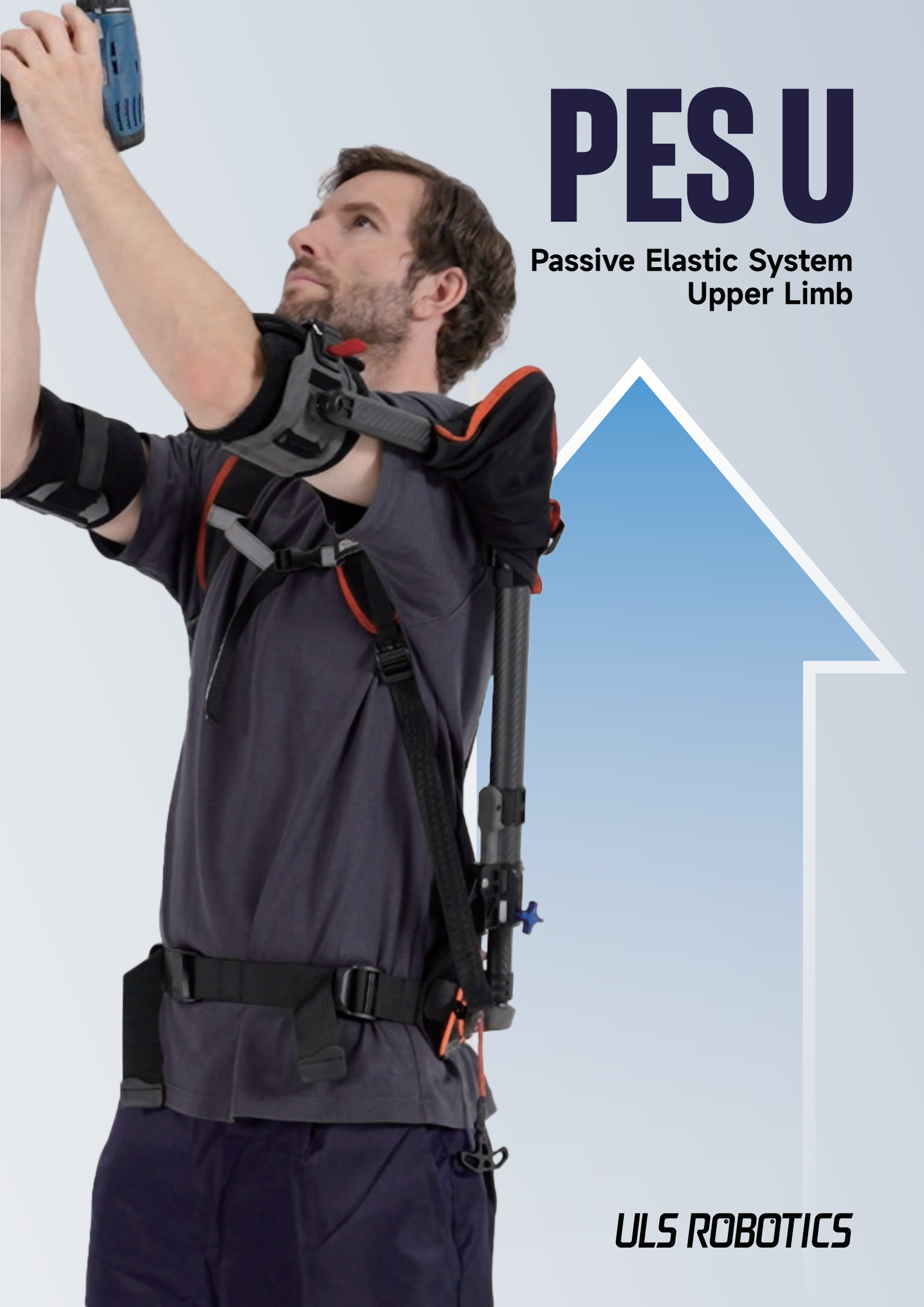


PES U

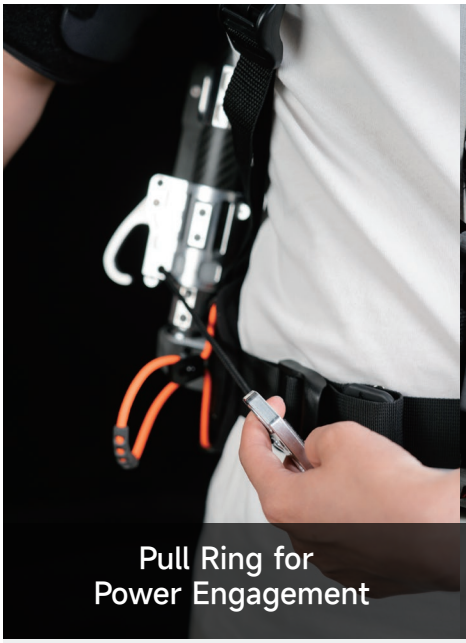
Passive Elastic System Upper Limb

ULS ROBOTICS

PES-U

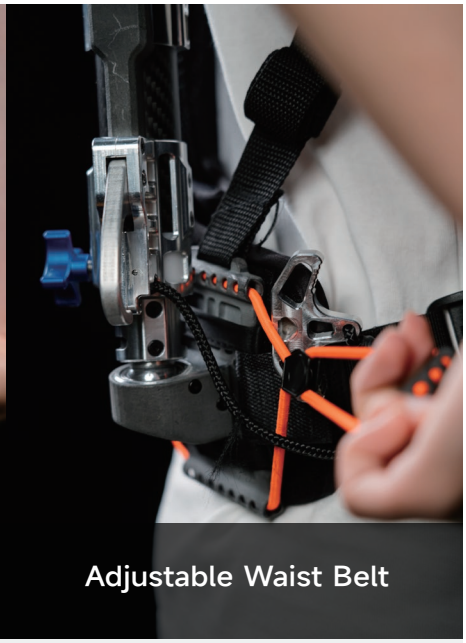
Passive Elastic System-UpLimb

PES-U (Passive Elastic System-UpLimb) is a mechanical energy-storing exoskeleton developed and designed by ULS Robotics. It is specifically used to assist users with mechanical support for their shoulders and arms. This energy-storing upper limb exoskeleton product is primarily designed for physical labor positions in enterprises, aiming to reduce the labor burden of workers in lifting work. It effectively reduces the load by more than 30% and provides strong support and protection for improving production efficiency.



Pull Ring for Power Engagement

Lever for Power Disengagement



Adjustable Waist Belt

APPLICATION INDUSTRIES

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

Follow our X account to learn more information.

1.

No need to charge

There are no restrictions on the use location and operating time.

2.

Safe Assistance

The mechanical energy storage drive design provides smooth and gentle assistance, with a maximum assist force of 15 kg.

3.

Posture Diversity

The device has a wide range of movement, not only up and down, but also left and right tilt and other directions smoothly.

4.

Lightweight Device

The product is lightweight and made of solid material, weighing only 2.1kg.

5.

Easy to Wear

It is comfortable to wear, simple to use, and easily put on within a minute.

6.

Waterproof dustproof

It can be used outdoors or in humid weather conditions. The soft bag and other attachments are detachable and can be cleaned.

SPECIFICATIONS

Device Dimensions	610-690×520×175(mm) (L × W × H)
Suitable Weight Range	40~100kg
Assistive Effect	30%
Product Weight	1.9kg
Power Source	Mechanical Power
Comprehensive Assistance	10kg (MAX)
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

ULS ROBOTICS

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