






Paexo Shoulder turns overhead work upside down!

Advantages at a glance

-  More than 50% relief from physical stress during overhead/ overshoulder work
-  Fast donning and doffing
-  Individual, biomechanically proven fit virtually anybody
-  Lightest exoskeleton of its kind
-  Full range of movement

Technical Data




- Weight 1,9 kg (<4lb)
- Fast donning and doffing: Each <20 seconds
- Fits body sizes from 160 to 190 cm (5ft 2“ to 6 ft 3“)
- Documentation in 29 languages
- CE certified
- Padding is washable and exchangeable
- Quality made in Germany

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Paexo Shoulder

The Bionic Exoskeleton



„We expect that using Paexo Shoulder will improve our productivity and workplace ergonomics. Employees are extremely happy with the exoskeleton, because relief is immediate and it is very intuitive to use.“

Kenneth Holmgård, Head of HR at Baltic Yachts

What is Paexo Shoulder?



The Paexo Shoulder exoskeleton assists employees in production and construction during strenuous activities, in particular overhead work. The raised arms are held up by an innovative expander technology. This provides noticeable relief for the muscles and joints in the shoulder region. Overhead activities are much more comfortable to perform.

Paexo Shoulder is a passive exoskeleton that does not need an energy supply. That makes it very lightweight. It is worn close to the body, similar to a backpack, while enabling complete freedom of movement. That is because Paexo Shoulder's design is developed with our deep understanding of natural human movements.

Applications of use

Paexo Shoulder has widespread use cases in a number of industry applications and in construction.

Among successful applications are:

- Overshoulder and overhead assembly
- Overshoulder painting
- Overhead sanding for metal pressing tools
- Drywalling and plaster construction at the ceiling
- Electrical installation in walls and at the ceiling
- Installation of tubing at the ceiling
- Replenishing of machines from the top

“The feedback from testing shows that Paexo Shoulder significantly reduces stress from physically demanding jobs.”

Margarida Pereira, Project Lead of the Demographics and Ergonomics Initiative at Volkswagen*



Unique biomechanical approach

