

About the active back exoskeleton B900

Strengthen the back, relieve the workforce: exoIQ launches new electric exoskeleton B900

- New electric back exoskeleton provides targeted relief for the lower back
- Powerful performance with maximum freedom of movement and low weight
- The right tool for logistics, manufacturing, and skilled trades

Hamburg, November 4, 2025 – Back pain is a widespread condition—especially in workplaces where physical labor is part of everyday life. In manufacturing, logistics, and skilled trades, it leads to high absenteeism and production losses. According to the European Agency for Safety and Health at Work (EU-OSHA), around 60 percent of work-related absences in Europe are due to musculoskeletal disorders. With its new back exoskeleton B900, Hamburg-based company exoIQ now offers a solution to relieve workers. Exoskeletons are wearable support systems that assist movements and reduce strain in targeted areas. What makes the B900 unique worldwide is its combination of high support power and unrestricted freedom of movement as an electric exoskeleton. The B900 is the first electric exoskeleton that strengthens the back with powerful support while allowing complete freedom of movement.

Setting new standards for healthy work

Two motors at hip level and an innovative hip and central joint ensure that the exoskeleton follows the wearer's natural movements while supporting the back muscles and spine. This allows employees in manufacturing, logistics, and skilled trades to perform their tasks more easily and with less strain on the back.

The exoskeleton provides up to 30 kg of support while weighing less than six kilograms. A single battery charge lasts up to eight hours of assistance, depending on usage. The B900 is developed and manufactured in Germany. The price is €6,900 excluding VAT.

A holistic approach to prevention and productivity

With the B900, exoIQ expands its portfolio with another electric exoskeleton: following the shoulder exoskeleton S700, which has been on the market since 2023, comes a solution specifically for the back.

"Our goal is to create holistic systems for the prevention of musculoskeletal disorders, thereby contributing to workplace health and making physically demanding jobs more attractive," says Prof. Dr. Robert Weidner, CEO of exoIQ.

"Our B900 provides noticeable relief for users exactly where it matters most ergonomically—in the back—without restricting their freedom of movement," adds Dr. Andreas Argubi-Wollesen,



biomechanist and movement scientist at exoIQ. “This enables companies not only to promote employee health but also to increase productivity and satisfaction in everyday work.”

Note for the Press

(Trade) journalists are welcome to try out the new exoskeleton at exoIQ in Hamburg. If you're interested or have further questions, we look forward to hearing from you. Together, we'll find a suitable appointment.

About exoIQ

exoIQ GmbH was founded in Hamburg in 2017 and develops intelligently designed support systems. Its roots lie in a university research project at Helmut Schmidt University, where exoskeleton research has been ongoing since 2014. In 2018, exoIQ joined the TTS Group, which includes companies such as Festool, SawStop, and Shaper, and has since benefited from their development expertise. Since autumn 2023, exoIQ's first product—the active shoulder exoskeleton S700—has been on the market. In 2025, the next model, the B900, will be launched, specifically designed for the lower back.

exoIQ's mission is to support, strengthen, and relieve people in industrial workplaces and protect them from physical harm—positively shaping the future of work.

Präsenz auf Social Media

Die exoIQ präsentiert sich auf folgenden Social-Media-Kanälen:

LinkedIn, YouTube, Instagram und Facebook

<https://linktr.ee/exoiq>

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