

Efficiency and Health in Intralogistics – The BionicBack Exoskeleton by hTRIUS in Use at GV Lacke

Horb am Neckar – January 15, 2025 – Intralogistics is one of the most physically demanding areas in many companies. Heavy loads, repetitive movements, and high cycle times pose major challenges. With the BionicBack exoskeleton from hTRIUS, a solution is now available that not only protects employee health but also increases efficiency. A successful example is the Grönenbach-based industrial coatings manufacturer Gropper + Viandt GmbH, known as GV Lacke.

Focus on Health and Productivity

“Lifting 25-kilogram buckets throughout the day puts a huge strain on the back,” explains Christian Viandt, Managing Director of GV Lacke. “During a meeting of the occupational safety committee (ASA), we decided to look for a solution that was not only effective but also lightweight. Our warehouse manager introduced the BionicBack exoskeleton, and after a demonstration, the employees were immediately excited.”

At GV Lacke, employee health is a top priority. “Our goal is to keep physical strain on our team as low as possible in order to avoid long-term back problems and absences,” emphasizes Viandt. The exoskeleton is used not only in production but also in logistics, where it provides noticeable relief when handling loads. Weighing just 1.2 kilograms and highly versatile, the exoskeleton offers ergonomic support that adapts perfectly to various demands and makes everyday work healthier. Thanks to its slim design, the BionicBack can even be worn while operating a forklift, making it particularly flexible.

Increased Employee Satisfaction and Fewer Absences

Since introducing the BionicBack at GV Lacke, team morale has significantly improved. “It’s rare for new acquisitions to gain acceptance so quickly. Our employees were enthusiastic from the start and immediately asked, ‘Can we start using it right away?’” says Viandt.

One employee from the logistics team describes the impact as follows: “Before, you could really feel the strain on your back at the end of the day. Now I go home feeling more relaxed. The exoskeleton gives me the confidence that my back stays stable, even when things get hectic.”

Universally Applicable in Logistics

The BionicBack exoskeleton was specifically designed to meet the challenges of intralogistics. Whether lifting heavy boxes, stacking pallets, or working in tight storage areas, the exoskeleton supports natural movements and helps reduce the risk of injury.

“We are currently using ten BionicBack exoskeletons. Our employees often wear them all day—from the first shift to the end of the day,” explains Kevin Sandner, Warehouse Department Manager at GV Lacke. Since their introduction, there have been no absences due to back issues. “That shows this investment is not just beneficial to health, but also improves our operational efficiency.”

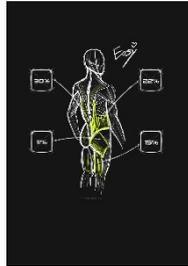
A Win for Ergonomics and Profitability

With the BionicBack exoskeleton, hTRIOUS offers a solution that has proven its value across industries in intralogistics. Companies in logistics, the automotive industry, wholesale, and production all benefit from this innovative technology.

“We want our employees to stay healthy and feel good. The BionicBack helps us achieve that,” concludes Viandt. The combination of lightweight design, effectiveness, and ease of use has convinced GV Lacke and many other companies.

You can find the video showcasing the BionicBack in use at GV Lacke at the following link: https://www.youtube.com/watch?v=SdNu_3y72fw&t=2s

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Innovative Relief: The BionicBack exoskeleton offers impressive support values while weighing only a featherlight 1.2 kg.



Efficient and Back-Friendly: Employees at GV Lacke use the BionicBack exoskeleton daily in intralogistics and production operations.

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About GV Lacke

Grönenbacher Lackfabrik Gropper + Viandt GmbH has been a leading manufacturer of industrial coatings since 1975. With a clear focus on quality and customer requirements, GV Lacke supplies companies worldwide in sectors such as agricultural machinery, vehicle construction, mechanical engineering, as well as container and steel construction.

About hTRIOUS

The company based in Horb develops and manufactures high-quality exoskeletons “Made in Germany” for a wide range of applications, including logistics, industry, and skilled trades. The BionicBack exoskeleton can be worn continuously as an efficient lifting aid and is especially suitable for situations where long-term back relief is essential.

hTRIOUS firmly believes that everyone in society plays an important role and deserves a healthy, pain-free working life. That’s why hTRIOUS specializes in developing tools and technologies to support people performing physically demanding work.