

Productivity and Health Combined: The BionicBack Exoskeleton in Gardening and Landscaping

Horb am Neckar – August 5, 2024 – For those working in the gardening and landscaping industry, there is an expert-recommended solution: the BionicBack Exoskeleton by hTRIUS. By implementing this back exoskeleton, employers not only improve the working conditions of their employees but also enhance operational efficiency and reduce costs.

The company from Horb am Neckar will present its exoskeleton at the GaLaBau trade fair from September 11 to 14 in Nuremberg. Visitors can experience firsthand how physical relief improves employee health, reduces downtime, and increases job satisfaction at Hall 5, Stand 5-124.

Why Should Garden and Landscaping Professionals Use the BionicBack Exoskeleton?

The gardening and landscaping industry is characterized by physically demanding activities. Daily lifting, carrying, and working in a bent posture can lead to serious long-term health issues, particularly back and joint problems. The BionicBack Exoskeleton is designed to reduce these strains and help workers perform their tasks more efficiently and with less physical effort. It supports the body during heavy and repetitive tasks, promotes ergonomically correct posture, and thus contributes to the long-term health of employees. By using the BionicBack Exoskeleton, garden and landscaping companies not only protect their employees' health and reduce sick leave but also gain a clear competitive advantage. Especially in times of skilled labor shortages and high turnover, employee satisfaction is a key issue for any company.

Applications of the BionicBack Exoskeleton in Gardening and Landscaping

The BionicBack Exoskeleton can be used in a variety of tasks in the gardening and landscaping industry, including:

Lifting and Carrying:

- Assisting with lifting and carrying heavy items such as soil, stones, paving stones, and construction materials.
- Reducing the strain on the back during repeated lifting and carrying.

Soil Preparation:

- Easing tasks such as digging, tilling, and plowing, which often require a bent posture.
- Supporting the operation of heavy equipment like tillers and hoes.

Planting Tasks:

- Assisting with planting trees, shrubs, and other plants, which involve lifting and moving heavy root balls and pots.
- Reducing physical strain during tasks that require prolonged periods of bent-over work.

Paving and Path Construction:

- Supporting the laying of paving stones and pathway slabs, which requires frequent bending and lifting.
- Reducing fatigue and increasing productivity during lengthy paving tasks.

General Maintenance Tasks:

- Assisting with general maintenance tasks in gardening and landscaping, such as cleaning paths, erecting fences, and repairing structures.

By providing support through the BionicBack Exoskeleton, gardeners and landscapers can work longer and more efficiently, reduce physical fatigue, and significantly lower the risk of injuries, particularly back injuries.

Benefits of the BionicBack Exoskeleton

Reduction of Work Accidents: By supporting heavy and repetitive tasks, the exoskeleton reduces the risk of musculoskeletal disorders and accidents. This reduces sick leave and associated costs.

Increased Productivity: Thanks to the relief and reduced fatigue provided by the exoskeleton, employees can complete their tasks faster and more efficiently, leading to an overall increase in productivity.

Ergonomic Benefits: The BionicBack promotes ergonomically correct posture, improving the long-term health and well-being of gardening and landscaping professionals.

Sustainability and Cost Efficiency: Fewer work-related absences and higher efficiency lead to long-term cost savings and a more sustainable way of working. The exoskeleton is an investment that pays off quickly.

Attractiveness as an Employer: A modern and health-conscious workplace makes the company more attractive to qualified professionals. This can be advantageous in attracting new talent and acquiring customers.

Versatile Applications: The exoskeleton can be used in various areas of gardening and landscaping, such as planting, transplanting, laying stones and slabs, and soil preparation. This versatility makes it a valuable asset for diverse work tasks.

The Must-Have in in Garden and Landscape Construction

Dominik Heinzelmann, Managing Director of hTRIUS, explains: "Back pain, herniated discs, and other musculoskeletal disorders are the most common causes of sick leave. The BionicBack Exoskeleton is the solution to make workplaces safer, healthier, and more efficient. It reduces the risk of injury while enhancing employee well-being and performance. We are proud to contribute positively to safety and efficiency in the gardening and landscaping industry with this solution."

Tested and Recommended

The BionicBack Exoskeleton by hTRIUS is the first exoskeleton to receive the seal of approval from AGR Aktion Gesunder Rücken e.V. for particularly back-friendly products. This award is only given to products that are classified as "back-friendly" and thus promote back health sustainably.

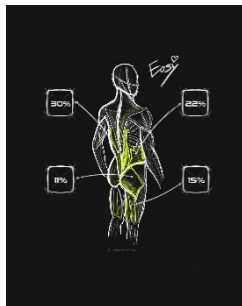
GaLaBau Hall 5, Stand 5-124

For those who want to try the BionicBack and feel the relief on their own body, it is recommended to visit hTRIUS at the GaLaBau trade fair in Hall 5, Stand 5-124.

Images: ©hTRIUS GmbH



The BionicBack exoskeleton specifically relieves garden and landscape workers by taking on part of the weight during heavy tasks. Thanks to its special design, the exoskeleton can effectively absorb and safely distribute both internal and external forces.



Scientifically measured, the exoskeleton from hTRIUS provides the following relief values, depending on the application and task, when handling 20 kg of everyday weight.



With its lightweight design, the BionicBack is not only powerful but also perfectly suited for daily use.



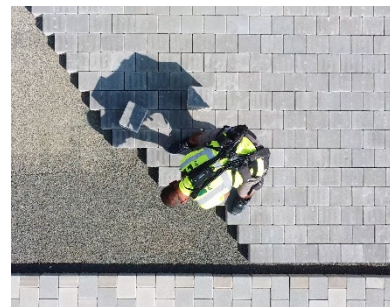
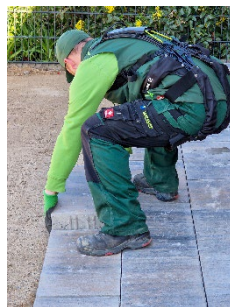
The BionicBack has received the prestigious AGR (Aktion Gesunder Rücken e.V.) seal of approval for products that are particularly back-friendly. Only products that are classified as especially back-friendly receive this coveted seal.

Important! When using the seal, please include the following note:

Tested and recommended by the Forum: Gesunder Rücken - besser leben e.V. and the Bundesverband deutscher Rückenschulen (BdR) e. V.. For more information, contact AGR e. V., Stader Str. 6, 27432 Bremervörde, Tel. 04761/926 358 0, www.agr-ev.de



The BionicBack exoskeleton assists in lifting and carrying heavy objects such as planting soil, stones, paving stones, and building materials.



The exoskeleton from hTRIUS reduces physical strain during tasks that require prolonged work in a bent-over position.

Contact for press inquiries:

hTRIUS GmbH

Verena Junt

Phone +49 151 5811 4305

Email: marketing@htrius.com

Web: www.htrius.com

Follow us:



[Instagram](#)



[Facebook](#)



[LinkedIn](#)



[TikTok](#)



[YouTube](#)

About hTRIUS

The company from Horb develops and produces high-quality exoskeletons "Made in Germany" that are used in various applications, such as logistics, industry, or skilled trades. The BionicBack can be worn throughout the entire activity as an efficient lifting aid. The BionicBack offers significant advantages, especially in areas where long-term back relief is necessary. It supports the wearer during their work and helps prevent back problems, leading to a healthier and pain-free working experience.

hTRIUS believes that every person in society plays an important role and deserves to navigate their working life in good health and without pain. For this reason, the company has specialized in developing tools and technologies that provide relief to people engaged in physically demanding work.

hTRIUS sets new standards in supporting the workforce through the use of cutting-edge technology. With its exoskeletons, the company contributes to improving the working conditions of many people and sustainably promoting their health.