

HexArmor® SafeLift™

powered exosuit with VerveInsight™

The future of work feels better

The HexArmor® SafeLift™ powered exosuit by Verve Motion offloads up to 40% of the weight from each lift with custom, real-time assistance – helping reduce injury risk, improve productivity, and support workforce retention.

Worn like a lightweight backpack and deployed in seconds, our SafeSense™ intelligence software engages an "artificial muscle" only when needed, allowing workers to maintain full freedom of movement while reducing ergonomic fatigue and overexertion throughout the workday.

Every suit connects to the VerveInsight™ analytics platform, transforming daily movement data into actionable insights your safety team can act on.

Product features

- Up to 54 lbs of lift assistance, with three customizable support levels for every worker and task
- Three inertial sensors activate assistance at a 10° bend
- Daily individual reporting, coaching, and inventory management
- Independent cloud gateway transmits lift metrics and safety data
- Slim, breathable, flexible build that moves with the worker
- One-size-fits-most with eight adjustment points
- Dedicated locker with charging and support station

Product specifications

Size: Fits 5'0"–6'6" (XS–XXL, extenders available)

Weight: Less than 6.5 pounds

Battery life: 100Wh for up to 3,000 lifts

(12+ hours of work, even in cold environments)

Scan to learn more about HexArmor® SafeLift™ with VerveInsight™ technology

SafeLift™ powered exosuit with VerveInsight™

How SafeLift™ works



Sense

Three integrated motion sensors, one in the backpack and one on each thigh, fuel SafeSense™ intelligence software, which tracks wearer movement and automatically engages lifting assistance when needed. The result: a full range of motion with less fatigue and physical strain over long shifts.



Assist

Three adjustable assistance levels allow support to be tailored to the person and task, from high-repetition work like order picking to heavy lifting applications such as palletizing and freight handling, ensuring the right level of ergonomic support at the right time.



Sync

Used as a hub for secure storage, charging, support, and connectivity, individual lockers keep SafeLift™ exosuits fully charged and up to date. Once docked, suit data is automatically processed and transmitted to VerveInsight's encrypted cloud database and web application.

VerveInsight™ analytics platform

VerveInsight™ turns movement data into clear safety reports for workers, teams, and entire facilities. Track lift count, estimated weight offloaded, risky movements, and usage time while identifying injury trends, high-risk activities, and opportunities for coaching and improvement – giving safety leaders the visibility to act before injuries occur.





Virtual support

Access to virtual support for program management, roll out, and Q&A as needed.

VerveCare™ lifetime warranty

We repair or replace any part of SafeLift™ that breaks or fails with active subscriptions.

Free updates

Continuous VerveInsight™ updates and new features, plus weekly check-ins and quarterly performance reviews.

Call **1.877.MY ARMOR** or visit **hexarmor.com**

SafeLift™ is an ergonomic wearable device designed to reduce muscular strain and fatigue during repetitive lifting and material handling tasks when used properly and in accordance with the SafeLift™ User Manual, training materials, and all applicable instructions and warnings. SafeLift™ is not a medical device and does not provide total protection against all workplace injuries or against any musculoskeletal disorders. It should only be used as part of a comprehensive safety program that includes proper training, safe lifting practices, and hazard controls appropriate for the specific work environment. OSHA recommends a full hazard assessment before implementation of any worker protection solution.

SafeLift™ must not be used without first completing training by a certified SafeLift™ Trainer and reviewing understanding the SafeLift™ User Manual and applicable instructions. Do not modify SafeLift™ in any way or use SafeLift™ with any non-approved component, accessory, battery, charger, or replacement part. Stop use immediately and contact support if any wear or damage is observed. SafeLift™ should not be used by individuals with pacemakers or other implanted electronic devices, or by anyone under the age of 18. Workers with preexisting medical conditions or active lifting restrictions should consult a physician before use.

SafeLift™ is one-size-fits-most. SafeLift™ should not be used by any individual who cannot achieve a proper fit, maintain safe movement, or perform the intended task without discomfort or limitation, unless approved by a certified SafeLift™ Trainer. SafeLift™ uses lithium-ion batteries. Follow all battery usage, handling, charging, and storage guidelines outlined in the SafeLift™ User Manual. Use only manufacturer-approved batteries and charging equipment.

Individual results may vary based on application, worker fit, and usage. Product features, design, materials, instructions and performance specifications are subject to change without notice. HexArmor® makes no representations or warranties regarding the SafeLift™ except as expressly stated in the SafeLift™ product literature provided by HexArmor®. Except for such representations and warranties and to the fullest extent permitted by applicable law, HexArmor® expressly disclaims (i) all other representations and warranties, whether express, implied, statutory, or otherwise, including that SafeLift™ will prevent injury, eliminate risk, or be suitable for any particular user, task, workplace, or application and (ii) responsibility for any damages, injury, harm, cost, expense, or liability arising out of or related to the use or misuse of SafeLift™.