



MATE-XT GO

Feb 2026

MATE-XT GO: Overview



WORK EASIER. FEEL BETTER



A New Standard in Certified Ergonomics

MATE-XT GO is a professional exoskeleton designed to [improve worker well-being](#) during repetitive tasks, providing [natural support to shoulders and arms](#).

Lightweight, comfortable, and made with [high-quality materials and engineering solutions](#), it is certified as [Category II Personal Protective Equipment \(PPE\)](#) under EU Regulation 2016/425.

With a [robust, intuitive, and accessible design](#), MATE-XT GO is ideal for [wide-scale adoption](#) across companies of all sizes – from industrial plants to SMEs and artisan workshops.

MATE-XT vs MATE-XT GO

Active Box
2021-2025



Active Box
Feb 2026



- Reduced Encumbrance (-3 cm) and weight (-200 gr)
- Increased assistance (+1 kgf)
- Improved IP protection rating (IP54 → IP65)
- No vibration during movement
- No noise at 0°
- No maintenance needed
- PPE certification
- New packaging
 - Reduced volume (-40%)
 - Increased aesthetic appeal
 - Increased reusability
 - Location for documentation and tools

MATE-XT



MATE-XT GO



MATEXT GO

IS A UPPER-LIMB EXOSKELETON

- is a non-powered exoskeleton for relieving the muscular effort at the shoulder district for workers who have to work with elevated arms.
- It supports the user during prolonged upper-body tasks, such as overhead work or repetitive shoulder flexion-extension movements.
- The device reduces shoulder and arm strain, helps maintain proper posture through its back support, and improves the comfort and quality of the user's work.

MATE-XT GO: Overview



MATE-XT GO: Main components

Torque Generating Box

Intelligent system that stores and releases energy, providing **adjustable assistance** based on the user's physiological needs, with an **intuitive locking system** and a **compact design**.

Textile interface

Body-contact components that are **removable and washable**, made of **comfortable, breathable materials** for safe and prolonged use.

Back carbon fiber support structure

Lightweight and robust structure that supports posture, evenly distributes loads, and adapts to different body sizes thanks to its height adjustment system.

Shoulder kinematic chain

Kinematic system designed to replicate the natural movement of the human shoulder, ensuring physiological alignment, smooth motion, and full operational freedom.

Sliding Cuff

Ergonomic sliding supports that ensure continuous arm comfort during work activities.

Shoulder Adjustment System

Adjustable system that adapts to all body types, wrapping around the user **without risk of entanglement**.

Load Distribution

The lumbar belt helps transfer weight to the hips, reducing stress on the back during prolonged activities.



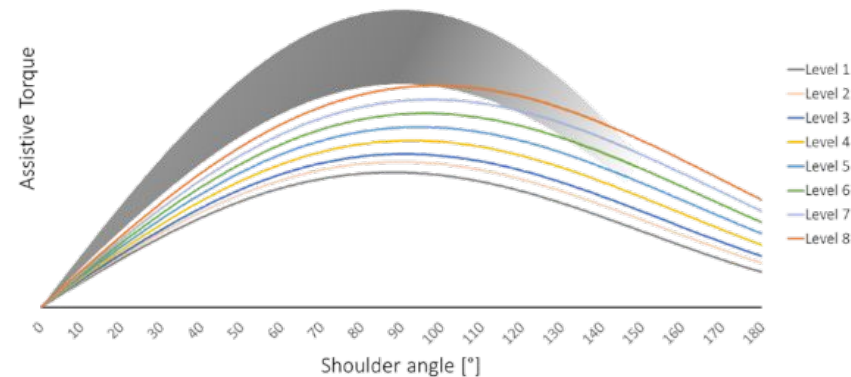
MATE-XT GO: Technical features



- **IP 65**, Weather-proof and Dust-resistant
- **8** assistance levels, up to **12 kg support** for both arms
- **2.8 kg** Small, **2.9 kg** Large
- **2 sizes** (S and L)
- Carbon fiber structure
- **High breathability** materials
- **Removable and washable** soft goods
- **Labels** on both textile and hard goods parts provided for easy regulation and repeatable adjustments
- Adjustable **belt positioning**
- **Shoulder and trunk** adjustments
- Intuitive **lock/unlock mechanism**

MATE-XT GO: Working principle

**INTELLIGENT ASSISTANCE, EXACTLY WHERE
IT'S NEEDED**



PHYSIOLOGICAL SHOULDER ALIGNMENT



The assistive mechanism stores and releases energy following the arm's movement, providing support that can be adjusted according to the shoulder's physiological angle.

Assistance is zero at 0° and gradually increases, reaching its maximum at 90°, offering effective support during the most demanding phases.

Thanks to a chain of passive degrees of freedom, the human shoulder flexion-extension axis is aligned with that of the MATE-XT GO. This ensures natural, fluid movements and full operational freedom during work.

Proven benefits for workers and companies

WHY MATE-XT GO IS UNIQUE

FOR THE WORKER

↓ 50%

Reduced Shoulder Effort

A significant reduction in muscle activity, confirmed by EMG measurements during repetitive tasks.

More Natural Posture

The support promotes proper posture during overhead work, reducing fatigue over time.

Quick Donning and Doffing

30s ON / 10s OFF

An intuitive system that allows the exoskeleton to be put on and removed quickly, without interrupting the workflow.

Comfort and Freedom of Movement

Comfortable materials and natural kinematics allow effortless movement, even during prolonged use.

FOR THE COMPANY

Improved Ergonomics

Reduced ergonomic risk in repetitive and overhead tasks, supporting workplace prevention policies.

↓ 10%

Reduced Task Execution Time

Higher operational efficiency thanks to support during the most demanding phases of work.

Greater Operational Precision

Less fatigue means better control of movements and consistent quality over time.

Lower Life-Cycle Costs

Minimal maintenance and a robust design contribute to a low total cost of ownership.

Prevention of Musculoskeletal Disorders

Supports corporate strategies for worker health protection and reduced absenteeism.

MATE-XT GO certified Category II Personal Protective Equipment



This certification marks an important milestone: it validates MATE-XT GO not only as an advanced ergonomic device, but as **a proven protective tool**.

- formally integrated into corporate safety systems and risk assessments
- simplifies adoption processes
- supports compliance
- reinforces the trust of employers consultants and workers alike

Competitive advantages

Category II PPE Certification

- Certified under **EU Regulation 2016/425**
- Ensures **quality, safety, and easy integration** into professional environments
- Distinguishes MATE-XT GO in the passive shoulder-support exoskeleton market

Optimal Biomechanical Alignment

- Designed to **follow human anatomy**, ensuring natural shoulder alignment
- Provides **physiological assistance** in sync with real user movement
- Delivers **smooth, harmonious motion** without restricting freedom of operation
- Clear advantage over exoskeletons with rigid or non-anthropomorphic mechanisms

Enhanced Posture with Back Carbon Fiber Support

- Helps **improve posture** during activity
- **Evenly distributes loads** across the body
- **Lightweight and low-encumbrance** design ensures non-intrusive support
- Ideal for **prolonged or overhead tasks**, improving comfort and safety

Premium durability and minimal maintenance

- Designed with high-quality materials for intensive and prolonged use
- Robust and reliable structure, built to last over time
- Virtually no maintenance required, limited to cleaning the textile parts
- Reduced lifecycle costs and greater operational continuity



MATE-Xt GO: Target applications

- Manufacturing and automotive industry
 - Assembly on lines with elevated arms
 - Installation of components under the frame or on overhead lines
 - Welding, painting, or screwing in elevated positions
- Construction and plant management
 - Electrical system installation and maintenance (at height)
 - Painting and ceiling finishing
 - Repairs to elevated infrastructure
 - Industrial cleaning
- Logistics and materials handling
 - Manual loading/unloading from high racks
 - Picking in vertical or automated warehouses
- Animal husbandry and agriculture
 - Fruit harvesting or pruning
 - Milking operations in automated systems
 - High-altitude maintenance of greenhouses or irrigation systems



Where to find us



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