

Muscular Aiding Tech Exoskeleton



WHAT IS MATE-XT?

MATE-XT is the new upper-limb exoskeleton totally passive (w/o motors). It is designed to assist the user during flexo-extension movements of the shoulder.

MECHANICALSHOULDERCHAIN

Structure that facilitates the free movement of the user, such as sliding and rotating joints

GARMENT INTERFACE

user's body

All parts in direct contact with the



TORQUE GENERATOR BOX

Core mechanism that stores and transforms potential mechanical energy in order to create an adjustable assistive torque (8 levels)

HOW DOES IT WORK?

MATE-XT GIVES YOU THE EXACT LEVEL OF SUPPORT WHEN AND WHERE YOU NEED IT

Zero torque at 0°

Max torque at 90°



The assistance torque provided by the MATE-XT exoskeleton suit follows your individual shoulder flexion/extension angle (maximum torque is at 90° degree)

JUST THE WAY YOU DO

MATE-XT MOVES IN HARMONY WITH YOUR SHOULDERS



Thanks to a chain of passive degrees of freedom, the flexion-extension rotation axis of the human shoulder is aligned with that of MATE-XT.



3

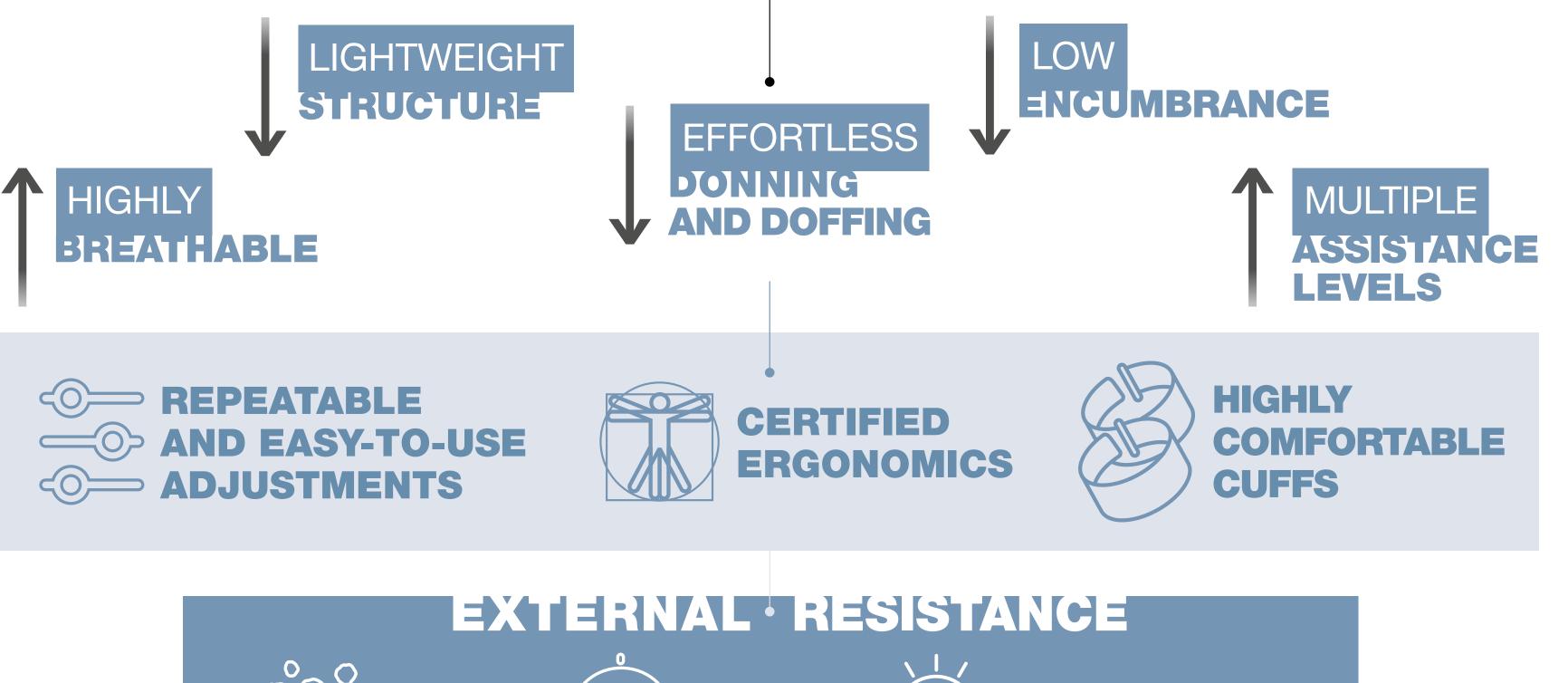
MATE-XT FITS YOUR BODY, GIVING YOU THE FREEDOM TO MOVE



MATE-XT WORKS WHEN, WHERE AND HOW YOU DO.

Available sizes: L and S

EXTREMELY ERGONOMIC, EVERYWHERE

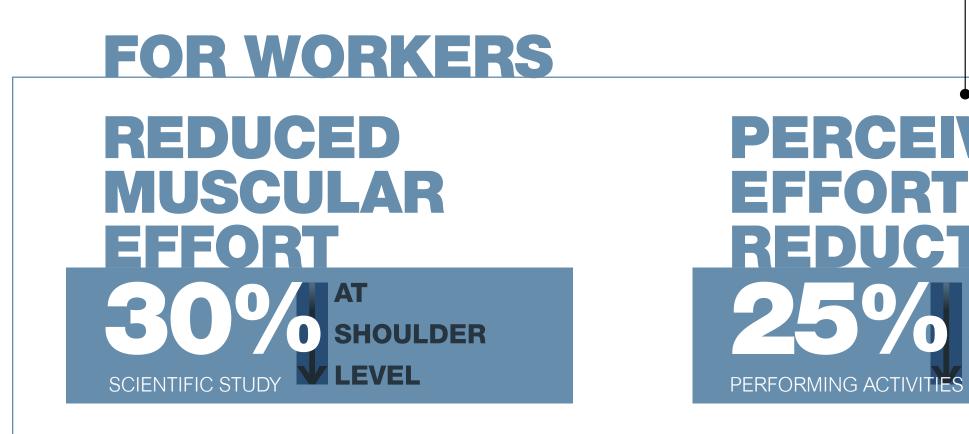




OUTDOOR



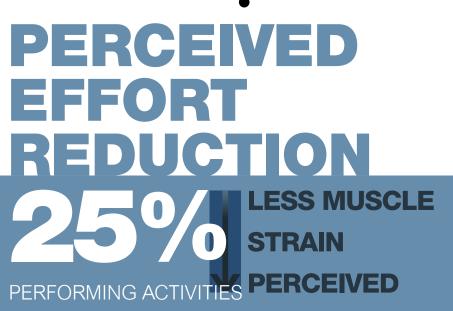
WHY IS MATE UNIQUE?



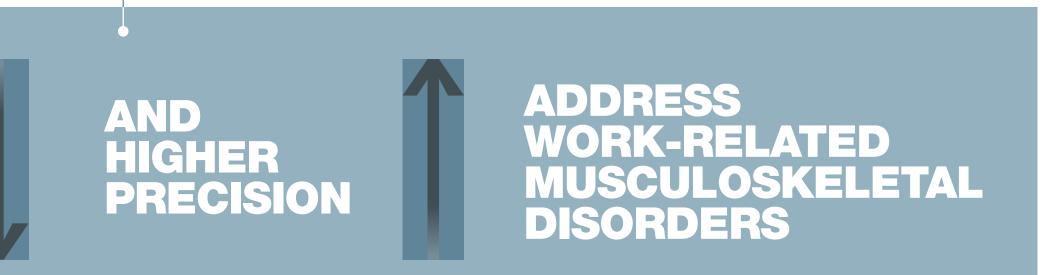
FOR COMPANIES

POSITIVELY **IMPACT YOUR** ERGONOMICS

LESS EXECUTION TIME



BACK **SUPPORT** RELIEF **OF WORKERS IMPROVED** PERFORMING ACTIVITIES THEIR POSTURE



Follow us in У 🖸 🖪 🔵 🔗 YK 🖏 😤 🙈



mate.comau.com

The contents of this brochure are supplied for general information only. Comau S.p.A. reserves the right to alter specifications at any time without notice for technical or commercial reasons. The illustration does not necessarily show the products in their standard version. Edition - 04/21 - Turin

Made in Comau

