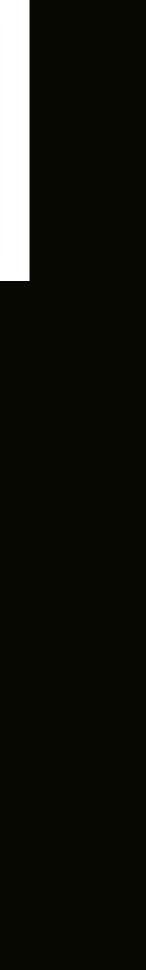
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### Muscular Aiding Tech Exoskeleton





## 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.

#### **MECHANICAL SHOULDER CHAIN**

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

#### GARMENT INTERFACE

All parts in direct contact with the user's body



#### **TORQUE GENERATOR BOX**

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

## **HOW DOES IT WORK?**

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



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.



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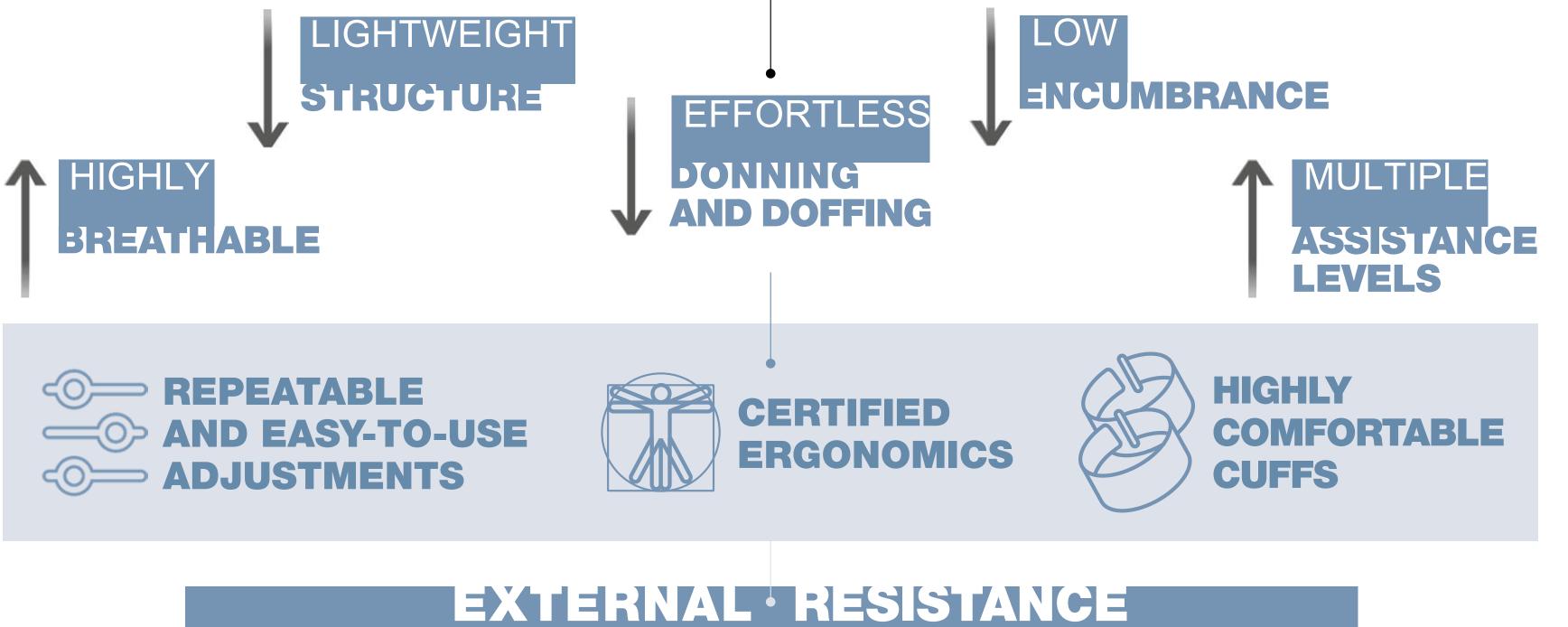
## **MATE-XT FITS YOUR BODY,** GIVING YOU THE FREEDOM TO MOVE

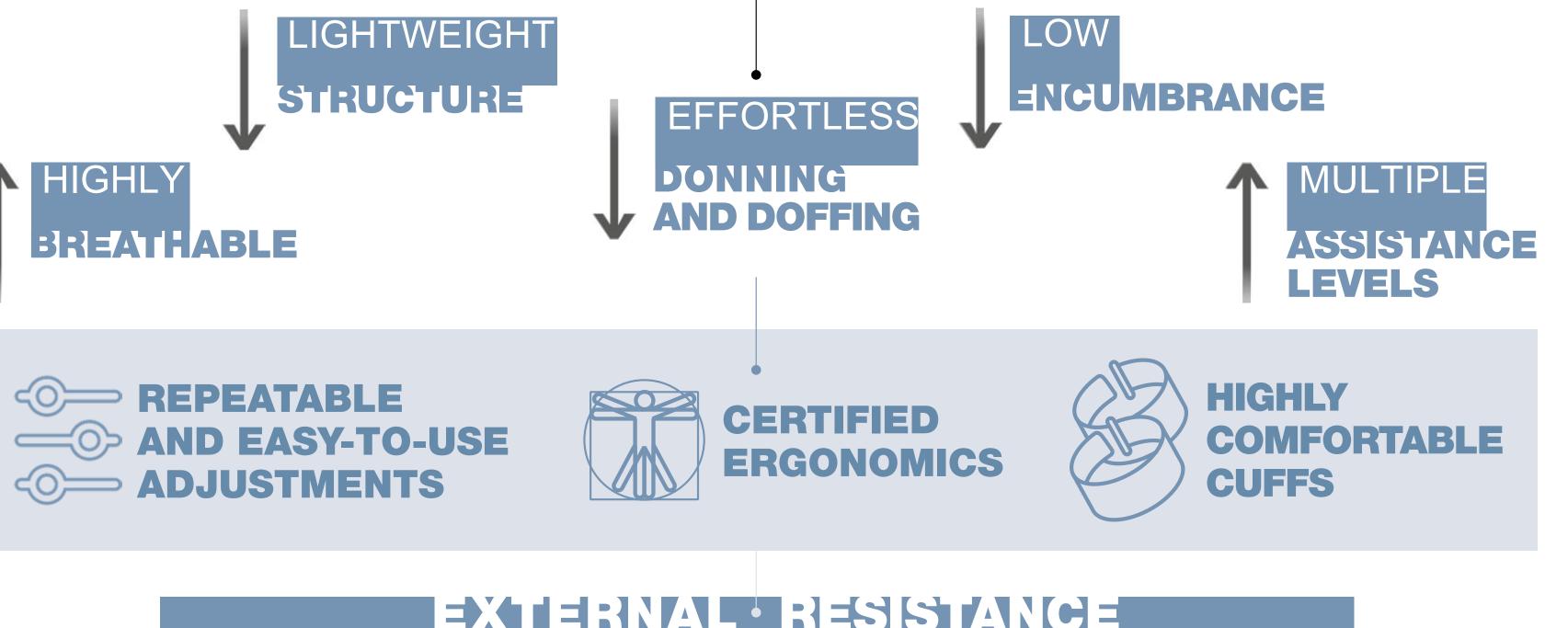


#### MATE-XT WORKS WHEN, WHERE AND HOW YOU DO.

Available sizes: L and S

## **EXTREMELY ERGONOMIC,** EVERYWHERE











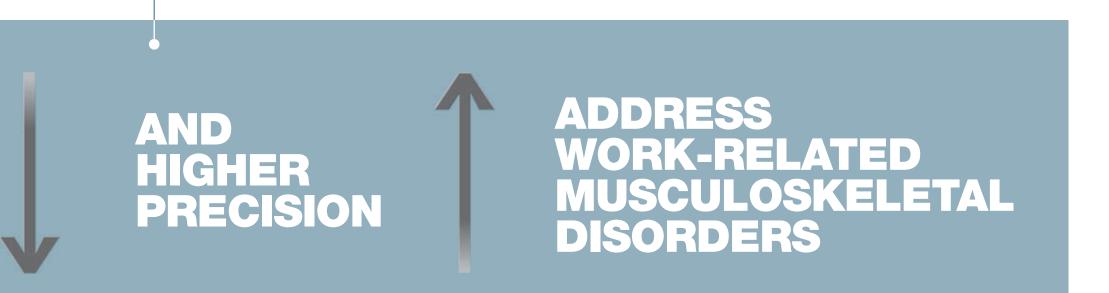


#### WHY IS MATE-XT UNIQUE?



#### FOR COMPANIES

POSITIVELY IMPACT YOUR ERGONOMICS LESS EXECUTION TIME

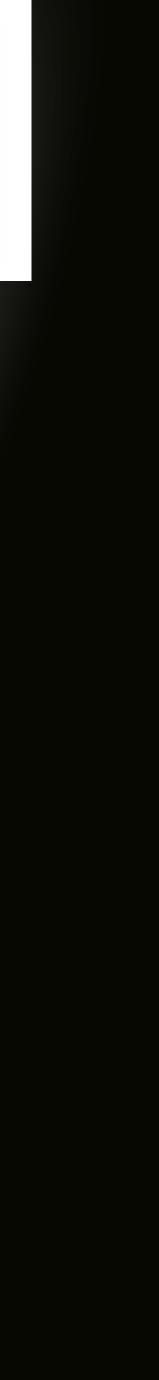


## MATEXT40

## Sensorized version with loT functionalities







## **MATE-XT 4.0 VERSION**

MATE-XT 4.0 combines the MATE-XT with advanced sensors to enable IoT application and extend the MATE "family"



Availability: MATE-XT4.0 - Right hand side & MATE-XT 4.0 - Left hand side (Large & Small Size)



#### WHAT ARE THE ADDITIONAL FUNCTIONALITIES OF MATE-XT 4.0?



- Wifi-connected sensors to deliver near real-time data with an intuitive digital dashboard
- IoT-ready device: MATE-XT 4.0 Integration with Industry 4.0
- Advantage of Tax credit rebate according to local legislations for introduction of Industry 4.0 devices
- **Preventive Maintenance:** Fault prevention





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