



MIA HAND

BORN TO BE ABLE

A NEW LIFE TO TOUCH WITH

For too many years, we have been instilled the concept of normality with conviction, a concept that is now obsolete. Where would you put the imaginary line that separates what is normal from what is not?

Our society has changed, enriched to the point of having swept away our usual idea of normality, and it is now capable of producing accessories that broaden our skills and abilities. **Mankind has evolved, improved and expanded in a thousand directions, and all of this contributed to increasing our skills.**

Resilience is the human ability to adapt to trauma, a positive and proactive reaction in response to strong changes that would disrupt our life and habits.

Mia Hand stands out as a unique opportunity to recover what seemed lost, re-appreciate a life whose functionality had been restricted and return to fully express ourselves in our daily activities.

Mia Hand's products and brand are conceived and developed by **Prensilia**, a Tuscan company specialising in the research, design and development of highly dexterous robotic hands for applications in the medical and industrial fields.

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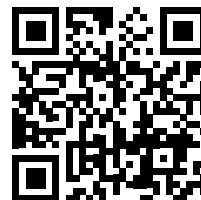
MIA HAND



DESIGN AND CUSTOMIZATION

Over the past forty years, several elements concerning enhanced, recovered and extended bodies have gradually made their way into our common imagery. From cinema to art, the human body has become a topic increasingly connected to inclusiveness and acceptance. This is why we dedicated most of our efforts to design, aesthetics and customization. Our products can boast four customizable elements: the glove, the fingers, the fingertips and the protective cover. Mia Hand is a functional extension to wear with pride, a symbol of victory, for a new beginning. Indeed, personalisation is the first step to being even prouder of what we have become.

CONFIGURE
MIA HAND



THE IMPOSSIBLE IS WITHIN REACH WITH MIA HAND.

CYLINDRICAL GRIP



TRUE STRENGTH, EVERY DAY.

Mia Hand is a strong and reliable hand that allows a secure grip on frequently used objects.

This means that most of the objects of our everyday life can be grabbed and held with ease and safety.

Strength is one of the most important characteristics of Mia Hand, as it allows many interactions with objects of different weights.

Its gripping force reaches 70 N, a value that is higher than most other proposals available on the market.

SIDE GRIP



SIMPLE, YET FUNCTIONAL.

Mia Hand presents itself as the ideal solution to satisfy your functional, aesthetic and control simplicity needs.

A selected number of easy and immediate grips will allow our customers to use Mia Hand via a two-channel EMG controller, with no delay. All materials have been chosen to ensure firm grips and enough robustness to be suitable for all lifestyles.

Indeed, being functional also means knowing how to eliminate anything superfluous.

MIA HAND, ANTHROPOMORPHIC BY NATURE.

PRECISION GRIP



FAST AND QUIET.

The thought of grabbing or catching something is almost always immediate, it forms with urgency and deserves a quick response.

With a closing time of just 280 ms, Mia Hand is quick to respond, ensuring greater adherence to a completely natural movement. Thanks to its high functionality, quickness and ease of use, Mia Hand integrates into your daily life with fluidity and remarkable silence, a not-secondary detail for the most pleasant user experience.

POINTING DOWN



ULTRALIGHT AND STABLE.

Mia Hand is an ideal solution also thanks to its lightness, as it weighs less than 500 g. This allows Mia Hand to be worn and manoeuvred easily regardless of your physical build or level of amputation.

Its feature makes a real 360° integration into everyday life possible.

Greater stability and precision combined with light-weight allow every user to wear Mia Hand safely and effortlessly.

THE WINNER IS MIA HAND



reddot award 2019
winner



A meticulous design and careful research and prototyping made Mia Hand emerge as the winner of the Reddot Award 2019 and The Plan Award 2019, receiving praise for design and functionality. Moreover, Mia Hand was awarded the Compasso d'Oro 2022, a prestigious international prize for Industrial Design.

POINTING UP



MIA HAND: THE 5 GRIPS.

Mia Hand was born to be clever and functional. **Its grips are essential but will allow you to carry out 80% of your daily activities.** Mia Hand has five grips: the cylindrical grip, the lateral grip, the precision grip and finally the pointing up and pointing down positions. All the grips stand out for their strength, speed of response, fast movement and silence. These are all fundamental aspects **to make every movement or gesture truly fluid and natural.**

MIA HAND BY PRENSILIA

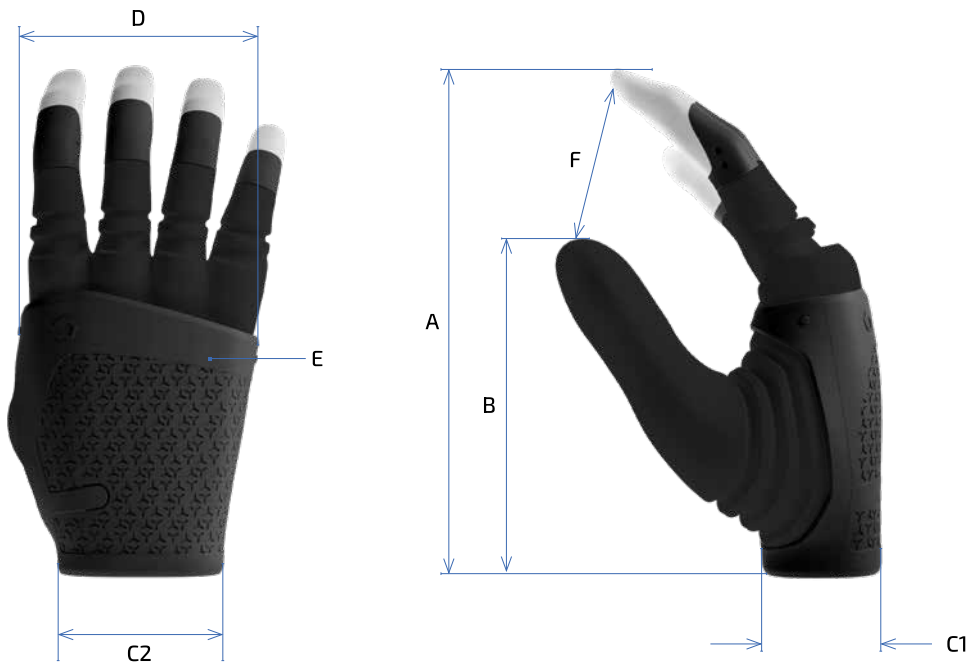
Mia Hand is the multi-articulated myoelectric upper limb prosthesis developed and designed in-house by Prensilia. It is the first robotic prosthesis with a fully customizable appearance. Due to its characteristics, Mia Hand was chosen as a platform for several research projects.

NEUTRAL POSITION



BEAUTIFUL, EVEN AT REST.

Mia Hand was designed and prototyped in 2016. Many additional steps forward have been taken since then, all rewarded in the most renowned design competitions. **Mia Hand is appreciated for its functional components, aesthetic accuracy and design.** Its shapes are completely anthropomorphic and natural, and the positions it assumes are inspired by human morphology and integrated with functional robotics.



DIMENSIONS

A	from index fingertip to hand base (fully open)	178 mm
B	from thumb fingertip to hand base	122 mm
C1	hand base minor axis	34 mm
C2	hand base major axis	38 mm
D	palm width	83 mm
E	palm circumference	200 mm
F	maximum opening	105 mm

TECHNICAL SPECIFICATIONS

Nominal voltage	11.1 V
Maximum current	6 A
Battery capacity	2500/3500 mAh
Battery charging time	4 ore
Weight	480 g
Maximum gripping force	70 N
Minimum time to close hand	280 ms
Operating temperature	-20°C, +40°C
Wrist	wrist with quick release
Compatible with industry standards	yes

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BY

PRENSILIA
GRASPING INNOVATION

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