The prosthetic hand is designed to give it closest to the human hand functionality.

The catch corresponds to the mechanical part of the grip. The Titanium® bionic hand by its lightness, its organization and its biomechanics sensory device offers a wide variety of options for adaptation to the objects taken in all shapes, textures and sizes.
This hand has currently the number of degrees of freedom the largest in the commercial field of hand prostheses.

Adaptation to an object is possible only by the characteristics of a deformable mechanical system in the three spatial planes. Mobile Titanium® frame of the hand perfectly meets this specificity.
TITANIUM FOR THE STRUCTURE

- Lightweight
- Very strong
- High resistance

LASER SELECTIVE MELTING TECHNOLOGY
Materials

DYNEEMA FOR TENDONS

- High abrasion resistance
- Cut and tear resistance
- Extremely strong
- Durable

These Artificial Tendons Permit to the Hand have natural movements
Materials

POLYESTER COPOLYMER FOR FINGERTIPS AND COVERS

- Very soft
- Absorb shock
- High resistance
FUNCTIONALITY AND AESTHETIC IN A UNIC HAND

Shape

Most natural position of fingers in relax position

Fan-shaped of four long fingers for a bigger grab
Shape

KNUCKELS ARE ON DIFFERENT LEVELS...

...FOR A MOST SIMILAR SHAPE WITH ANATOMIC HUMAN HAND
In optional, it is possible customize the length and the width of each finger according to patient morphology.
Grips

THUMB 3 JAW CHUCK CLOSED
Grips

LATERAL GRIP
Grips

OPEN AND CLOSED HAND
SOME GRIPS EXAMPLES.....
Electronic is on-board (inside the hand), hence it is very simple to change hand totally for tests, rehabilitation or change hand keeping the same socket. Thank also for the compatible standard wrist.
In optional, it is possible insert, inside thumb tip, a pressure sensor to send a signal to a micro vibrator, positioned inside palmar hand, in order to transfer a final vibration to the stump as feedback sensibility.
Software

HIGH CUSTOM SOFTWARE

- Easy to program by patient alone through bluetooth
- Possibility to save and elaborate from 2 to 20 programs
- If 2 programs saved the switch happens through 3 fast impulse in opening (more intuitive)
- *on/off mode* or *proportional mode* possible following the needs of the patient
THREE STANDARD SIZES...

<table>
<thead>
<tr>
<th></th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small</td>
<td>98mm.</td>
<td>68mm.</td>
<td>160mm.*</td>
<td>92mm.</td>
</tr>
<tr>
<td>Medium</td>
<td>98mm.</td>
<td>77mm.</td>
<td>176mm.*</td>
<td>99mm.</td>
</tr>
<tr>
<td>Large</td>
<td>98mm.</td>
<td>84mm.</td>
<td>185mm.*</td>
<td>105mm.</td>
</tr>
</tbody>
</table>

...OR TOTALLY CUSTOM MADE.
- Operating voltage: 7.4V.
- Maximum current: 2.3A.
- Grip strength (Jamar) 70 to 110 N depending on the size of the hand.
- Lateral pinch force: 20 to 30 N depending on the size of the hand.
- Strength Opposed Mode 40-60N depending on the size of the hand.
- Limit of load: 20kg.
- Lipo battery: 1300mA / 2300mA.
- Weight: 400 / 500g. depending on the size of the hand.
- EMG Electrodes: ELEC50.
- Glove weight: 100/120 gr.
- Feedback transmission sensitivity by micro-vibrator (optional).
- Hand Warranty: 2 years.
- Silicone glove warranty: 6 months.
- Batteries: 1 year warranty.
- 3 STANDARD SILICONE GLOVES
  - T 0.8 R/L (SMALL)
  - T 0.9 R/L (MEDIUM)
  - T 1.0 R/L (LARGE)
WITH SILICONE NAILS AND COLOR
THROUGH SAMPLES OF COLOR

- CUSTOM SILICONE GLOVE (CUSTOM SHAPE) WITH ACRILYC NAILS AND CUSTOM COLOR

- TECHNOLOGICAL GLOVE
Thank you for your attention