

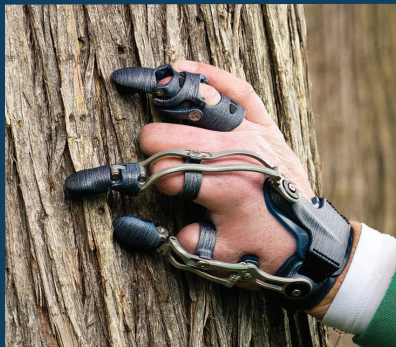


NAKED
PROSTHETICS



ROBUST.
CUSTOM.
FUNCTIONAL
SOLUTIONS.

NAKED PROSTHETICS



Design Attributes

- **Durable:** Manufactured with medical grade nylon, stainless steel, and titanium, these devices are capable of getting a partial finger amputee back to work in heavy duty, hands-on occupations.
- **Heavy-Duty:** All products are resistant to most common chemicals such as isopropanol, ethanol, acetone, and oil, as well as water, dust and dirt. Devices from Naked Prosthetics are heat-resistant up to 347° F.
- **Protection:** The rugged exoskeleton of each device helps shield the sensitive amputation site from impact and abrasion.
- **Body-Driven:** Motion and force output is dependent only on patient's range of motion and strength in the affected digit; no wires or batteries are involved.
- **Intuitive:** Because the device's joint movement is driven off the motion of an intact joint, the device mimics natural finger motion and is highly predictable and reliable for the user.
- **Custom-Designed and Fabricated:** Every digit is designed to the patient's unique anatomy and clinical presentation. Through design and engineering, every device provides optimal force output and range of motion for each patient's individual digit.

NAKED PROSTHETICS



PIPDriver, MCPDriver, + ThumbDriver

ROBUST, CUSTOM, FUNCTIONAL SOLUTIONS.

- **Force Output:** These devices are designed with a safety factor such that any force the patient can generate with their intact joint can be safely transmitted by the device.
- **Psychosocial Benefits:** The exoskeletal designs cover the amputation site and has been reported by users to counteract negative alterations to self-image and ego that are often experienced after amputation. We strive to provide the fine mechanics that will allow a person to be proud to show their device in a highly visible way that the hands demand.
- **Long-term Hand Health:** Devices act as an artificial substitution for absent digits and can help prevent unnatural metacarpal and phalangeal deviation during grasps, thus protecting the hand from early onset arthritis and other compensation injuries.



IT'S ALL ABOUT FUNCTION.

PIPDriver™

- Appropriate for patients with an amputation site distal to PIP joint
- Uses intact PIP joint motion to provide DIP flexion/extension
- Articulation and force output are dependent on the length of the residual digit distal to the PIP joint as well as the strength and range of motion of the affected PIP joint

MCPDriver™

- Appropriate for patients with amputation site through the proximal phalanx with enough residual length distal to the MCP joint to engage a ring
- Uses intact MCP joint motion to provide both PIP and DIP flexion/extension

ThumbDriver™

- Appropriate for patients with an amputation site at the thumb with enough residual length to engage a ring
- Allows the user to regain dynamic opposition to all digits while withstanding the heavy forces generated through opposition
- Uses intact MCP joint motion to provide IP flexion/extension
- Tracks CMC motion to mimic the multi-axial motion of the thumb and allow the user to regain natural and predictable grasp
- Manual DIP pre-flexion adjustment provides flexibility in creating different opposition patterns

