

**i-limb digits** is the fully customized electronic prosthesis for people with missing fingers and partial hands.

With **i-limb digits**, anywhere from one to five missing fingers can be replaced with one of our individually powered prosthetic digits. These digits, which move independently and bend at the joints, work in conjunction with any remaining fingers to help increase functional capabilities.

Every person with missing digits is unique and so each **i-limb digits** solution is custom made to fit.



## Selection criteria

Ideal candidates for **i-limb digits** have amputation levels through, or just proximal, to the metacarpal phalangeal level of one or more digits.

We consult with prosthetists in order to ensure that the appropriate **i-limb digits** solution is supplied.



## Silicone interface materials

Every effort is made to ensure that **i-limb digits** solutions preserve the critical functional elements of the hand, as well as protecting any compromised skin. This preservation is normally accomplished by using silicone interface materials, which allow users to comfortably wear the sockets without further irritating or damaging the soft tissue of their digits or hands.

## Control Strategy

The most common method of controlling **i-limb digits** is to use myoelectrodes or force-sensing resistors (FSR's).

## Control software

**biosim-pro** is the computer software that allows the prosthetist to interact with the **i-limb digits** system. It communicates wirelessly via Bluetooth® connection between a computer and the controller inside the prosthesis.

