

Inclusive Innovations

Carbonhand

Carbonhand is a revolutionary aid that gives back power to people with impaired hand function. Pressure sensors and advanced technology ensure the glove adds power in cases where the user's own muscles are inadequate.

Carbonhand is an assistive aid in the form of a grip-strengthening glove with pressure sensors in the fingers that sense when the user needs support. The pressure sensors detect when the user initiates a hand grip and the glove then applies the power needed to ensure a firm grip. Carbonhand comes in five different sizes for right and left hands.



Picture shows a black glove showing pressure sensors worn on right palm of a hand

Artificial tendons and electric motors add power to the glove ensuring endurance for people with impaired hand function. This enables activities in everyday life, at work, or during rehabilitation. In addition to the actual glove, Carbonhand consists of a small power unit that distributes the power as required. You can wear Carbonhand on your back or around your waist, which allows it to be customized to suit the situation or your preferences.

<https://www.bioservo.com>