



Smart glove

Innovation > Work & Lifestyle > Bionic smart glove boosts hand efficiency for the less able

BIONIC SMART GLOVE BOOSTS HAND EFFICIENCY FOR THE LESS ABLE

 WORK & LIFESTYLE

Nuada naturally increases hand strength to help the wearer perform day-to-day tasks.

Losing key hand functions due to age or condition is life changing, as it alters the ability to complete even the most simple of tasks – a new smart glove called **Nuada** hopes to make such woes a thing of the past. Nuada is a hand function improving system that is safe, light and small and was designed to be affordable and non-intrusive. The solution uses thin, breathable, flexible and smart textiles that people can customize, using unique enhancement technology that aims to be an everyday essential wearable that people even forget they are wearing.

Nuada's solution relies mostly on energy efficient and lightweight components, created to deal with heavy weight support while maintaining touch sensitivity and a non-intrusive relation with the users' body. With an ergonomic and small design and with an extended life battery, it can be used in everyday life with comfort and discretion. The glove has special built-in tendons that support the hand when required, made possible by connecting the artificial tendons to a patented, specially designed system that is worn on the users' wrist. In addition to the hand function support, Nuada is equipped with tracking components that collect metrics such as pulling strength, stability while pulling, and heart rate, and shares the data with users and healthcare professionals.

The gloves primary target is for healthcare purposes, helping those with ailments that deter them from making the most of their hands. Secondary target fields include professional activities and sports. Smart devices with the aim of improving physical ability are an innovative use of technology.

Impressive uses of such technology include an electrical stimulation device that helps **arm mobility in stroke victims**, and a **muscle activation tool** that helps achieve good posture. How would you use such technology to improve your daily activities?

29th September 2017

Email: info@nuada.pt

Website: www.nuada.pt