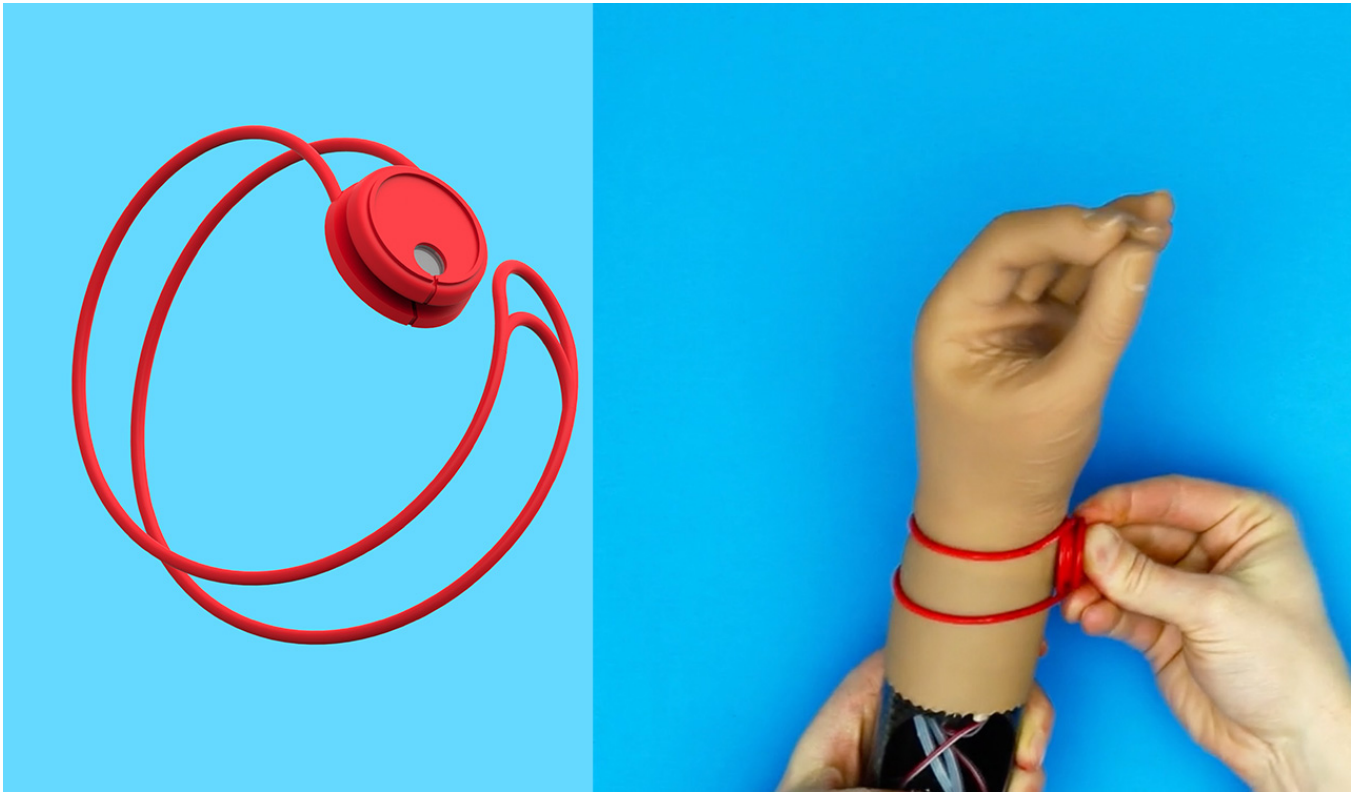


Wristband gives amputees wireless computer control



In Germany, the most common artificial hand requires users to learn a series of gestures to operate it. While useful, the prostheses do not allow for small enough movements for users to work on a computer. New company [Digital Prosthesis](#) developed Shortcut, a digital wristband that is worn on the prosthesis and translates the available range of motion into the actions needed for online work.

Made from brightly colored, soft silicone, the Shortcut wristband uses electrodes and an optical sensor to translate hand and arm movement into on-screen actions. When a user rests the wristband-wearing prosthesis on a table, digital motion is activated and physical movement deactivated. Using the phantom movements that many amputees can neurologically control, the wristband allows users to navigate online using the basic click, scroll and zoom set of computer movements.

From a [travel site that caters to those with additional mobility needs](#) to [superhero-themed bionic hands for young amputees](#), technology is making inclusion easier. How else could inclusive design help people with impairments replicate common physical movements for improved workspaces?

Website: www.digital-prosthesis.de

Contact: hi@digital-prosthesis.de