

Progressive Prosthetics

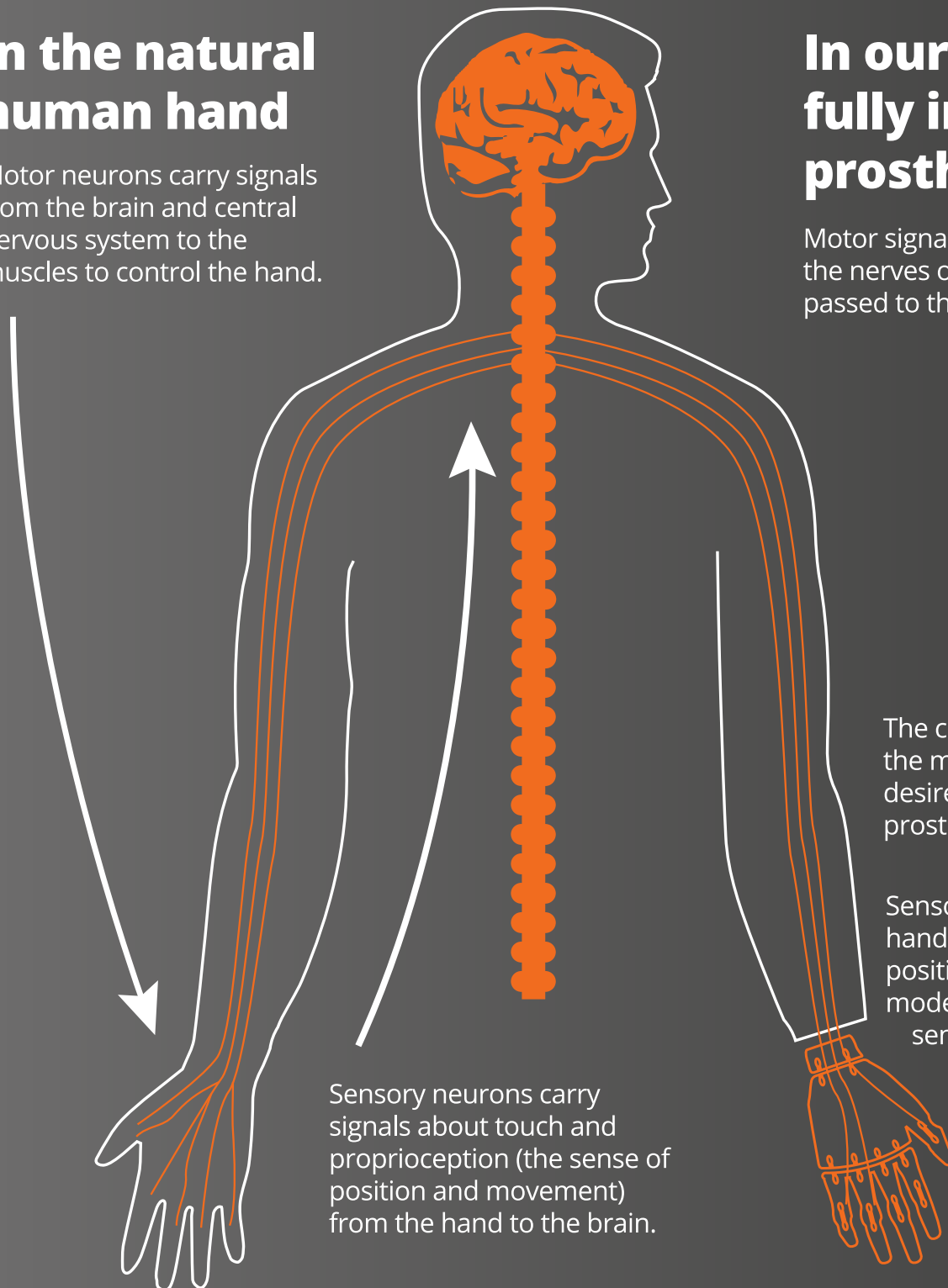


In the natural human hand

Motor neurons carry signals from the brain and central nervous system to the muscles to control the hand.

In our vision of a fully integrated prosthetic hand

Motor signals are recorded from the nerves or muscles, and passed to the computer model.



Sensory neurons carry signals about touch and proprioception (the sense of position and movement) from the hand to the brain.

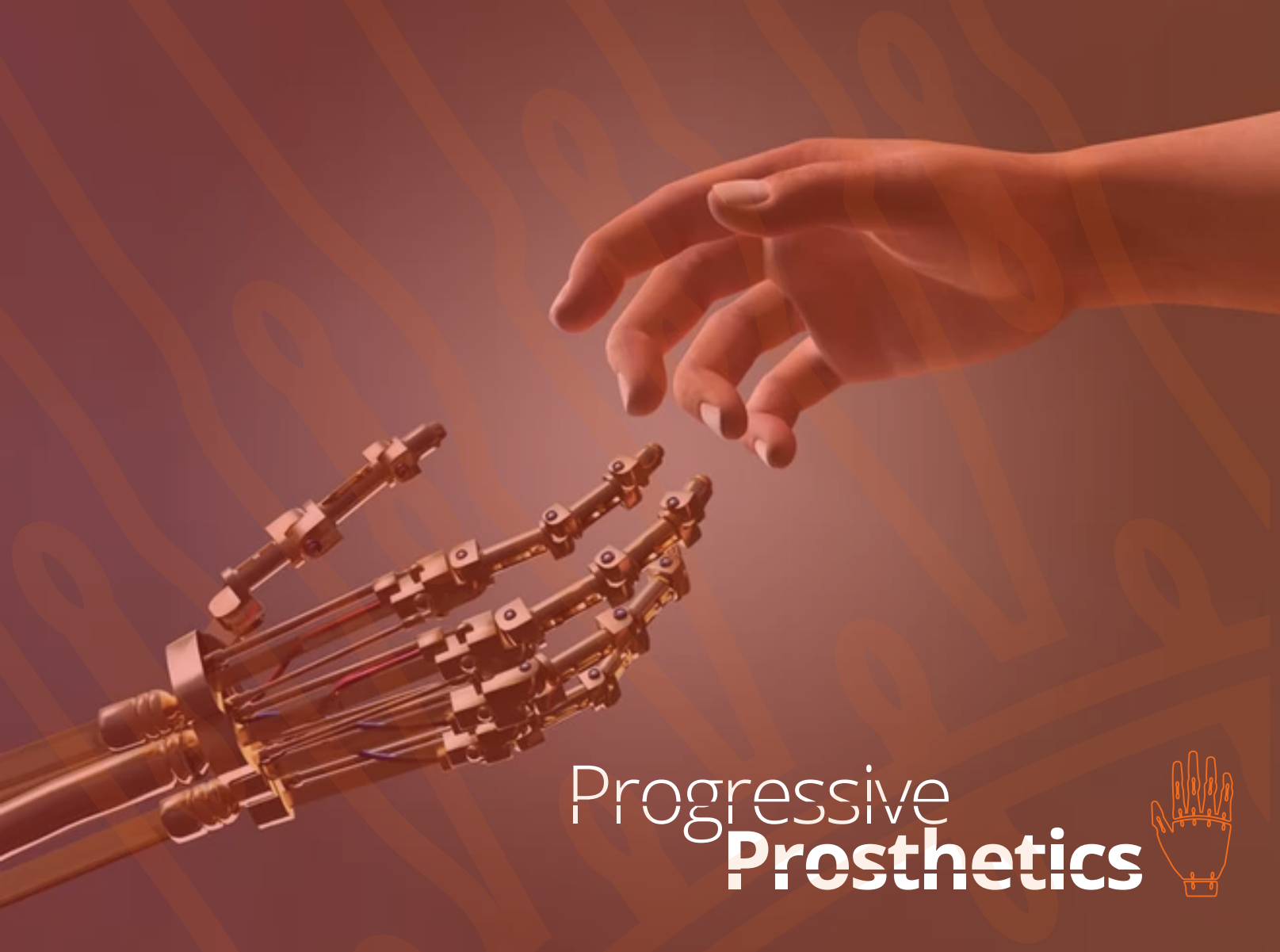
The computer model maps the motor signals to the desired movement of the prosthesis.

Sensors on the prosthetic hand detect touch and position. This is sent to the model that generates sensory signals to send back to the brain.

Find out more:

keele.ac.uk/istm/prosthetics

intellsensing.com



Progressive **Prosthetics**



How can we make prosthetic hands move and feel more like real human hands?