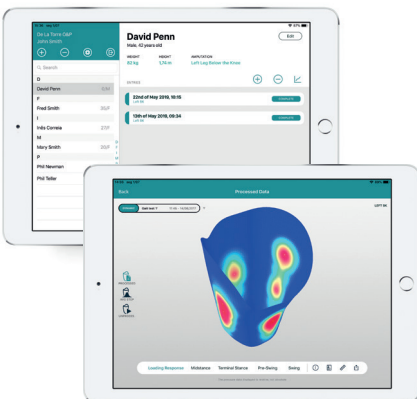


The INSIGHT® system

INSIGHT® is a new system designed to improve the efficiency of the fitting process to rapidly deliver an ultra-comfortable, perfectly-fitted lower-limb prosthesis for the patient.

INSIGHT® combines laser scanning, wearable technology and a mobile app to make it faster and easier to correctly fit lower-limb prosthesis and monitor the patient's entire rehabilitation process.



INSIGHT® App

At the heart of the INSIGHT® system, our user-friendly app identifies pressure points and potential problematic areas by receiving data from the sensors and wearable.

Provided on an iPad, the INSIGHT® App provides four different options to interpret both static and dynamic data, helping prosthetists achieve the socket pressure distributions they desire:

- Real-time pressure distribution.
- Processed data showing the average pressure of each gait phase.
- Average stride data, also showing how pressure is distributed during gait.
- Full data, showing the entire data acquisition, exactly as it was recorded.

The INSIGHT® App also tracks patient history, keeping digital records of all appointments and scan data for every patient. Older socket scans can be quickly accessed and compared, and 3D model export feature can be integrated with 3D design and printing software.



INSIGHT® Scanner

A laser scanning system that creates a precise 3D model of the inner surface of a prosthetic socket in under 90 seconds. By scanning the socket with the sensors in place, a 3D map of the sensors' location is created.

Dimensions

Width 637 mm / 25 in
Height 1710 mm / 67.3 in
Depth 550 mm / 21.6 in

Weight

90 kg / 198 lb

Accuracy

< 1 mm / 0.04 in

Socket size limits

Min diameter - 55 mm / 2.17 in
Max diameter - 360 mm / 14.17 in
Max height - 540 mm / 21.26 in

INSIGHT® Sensors

Low-profile, biocompatible sensorized strips, which are applied to the socket and gather biodata when it is worn by the patient. The more sensors used, the more accurate the pressure map will be.

Dimensions

Width 306 mm / 12 in (small)
399 mm / 15.7 in (medium)
506 mm / 20 in (large)
Height 29 mm / 1.14 in
Depth 0.3 mm / 0.012 in

Weight

9.88 g / 0.02 lb

Measurement Range

20 mbar to 7 bar
0.3 to 102 PSI

Life Span

8 Usages

INSIGHT® Wearable

Worn by the patient and attached to the sensors placed around the socket to gather and transmit biodata throughout static and dynamic tests. Delivers a complete real-time gait analysis with a detailed pressure distribution map.

Dimensions

Width 155 mm / 6.1 in (small)
290 mm / 11.4 in (medium)
395 mm / 15.5 in (large)
490 mm / 19.3 in (extra large)
Height 50 mm / 1.97 in
Depth 25.4 mm / 1.0 in

Weight

256 g / 0.56 lb (small)
320 g / 0.71 lb (medium)
384 g / 0.85 lb (large)
461 g / 1.02 lb (extra large)

Battery Life

Wearable - 18 h
WIMU - 21 h

