



DIGITALIZATION AND MEASUREMENT OF THE FOOT

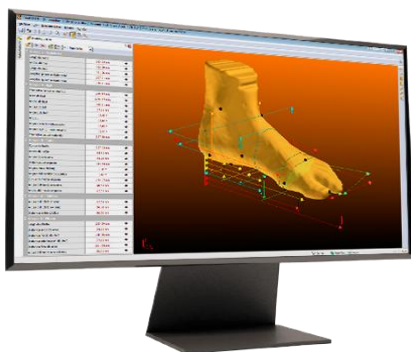
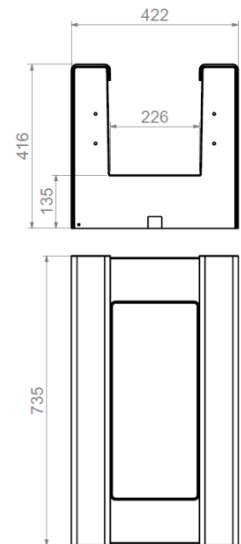
IcadPIE

The foot digitizer is the new and innovative scanner that offers a fast and precise digitalization of the foot. Thanks to its advanced vision system, it allows to work without noise and in an open environment. It's more important characteristics are:

- Easy foot positioning, the scanner process is always visible.
- Fast and precise digitalization system that ensures a true foot reconstruction.
- Lightweight and reduced size for and easy transport and installation.
- Plug&Play (Pnp) device using USB port, compatible with any computer with Windows operating system.

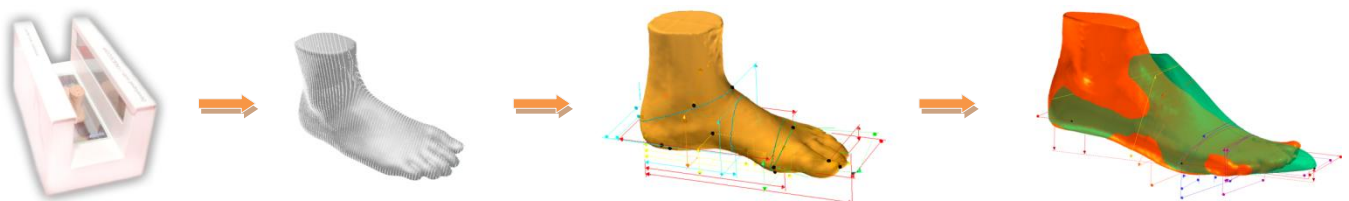
Technical specifications

External dimensions	422x416x735 mm.
Scanned volume	140x160x400 mm.
Weight	18 kg.
Accuracy	1 mm.
Complete scan	18 s.
Power supply	100-240 Vac.
Power consumption	150 W.



Integration with INESCOP CAD systems

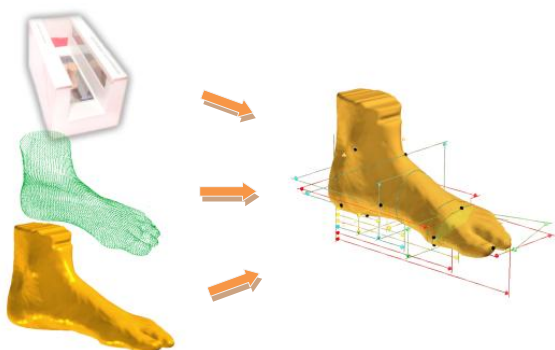
- Direct communication with IcadPIE software for the automatic measurement of the foot.
- Compatible with IcadFOR system for last customization.



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Thanks to the application IcadPIE can perform a detailed analysis of the foot, visualizing a large number of measurements obtained automatically and working with the different tools available for manual measurement and other operations.

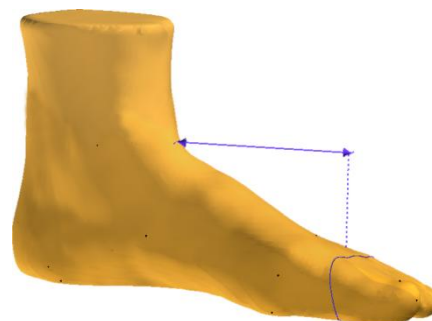


Compatible with most commonly used formats

- Noise filtering and reconstruction of cloud points (from the INESCOP digitizer or using standard cloud points files, like ASC).
- Virtual feet analysis and measurement (from the INESCOP digitizer or from geometry files, like STL).

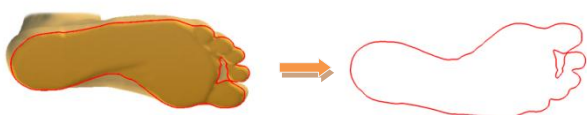
Full measurement of the foot

- Automatic computing of the 33 most representative measures of the foot.
- Tools for manual measurement of the foot (perimeters, lengths, widths, angles, etc.).



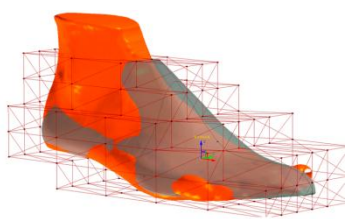
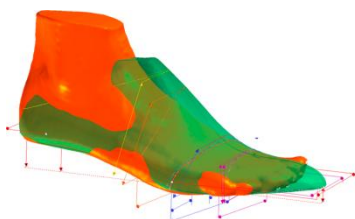
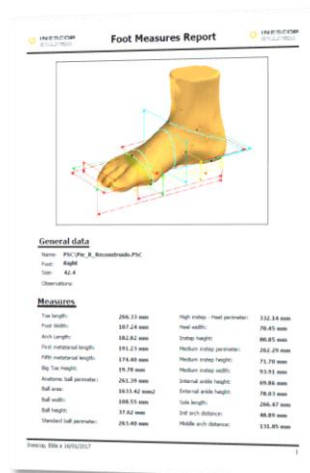
Analysis and detailed report of measurements

- Full analysis of the foot (foot-print profile, characteristics planes, etc.).
- Geometry and curves export to different file formats (IGS, STL, FMS o PLN).
- Generation of detailed report with foot automatic and manual measures.



Customization

- Compatible with the design and manufacturing shoe last software, IcadFOR.
- Foot and last measures comparison.
- Last customization to get a better fit with the digitized foot.

Foot Measures Report			
General data			
Name:	PAC_016_P_R_Reconstruido.PAC		
Foot:	Right		
Sex:	M		
Observation:			
Measurements			
Foot length:	266.73 mm	High instep - heel perimeter:	232.84 mm
Foot width:	107.24 mm	Heel width:	76.65 mm
Arch length:	182.82 mm	Instep height:	86.85 mm
First metatarsal length:	193.23 mm	Medial instep perimeter:	262.29 mm
FWL metatarsal length:	174.68 mm	Medial instep height:	71.79 mm
Ball toe height:	19.78 mm	Medial instep width:	93.93 mm
Anatomical ball perimeter:	262.29 mm	Distal arch height:	69.86 mm
Ball area:	1831.62 mm ²	Distal arch width:	98.83 mm
Ball width:	109.93 mm	Ball length:	206.47 mm
Ball height:	17.62 mm	Ball width:	86.89 mm
Medial ball perimeter:	263.68 mm	Heel ball distance:	122.88 mm

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