



Technical Specifications

Weight	980 grams (2.1 lb)
Dimensions	160 x 260 x 210 mm (6.25 x 10.2 x 8.2 in)
Measurements	18,000 measures/s
Laser Class	Class I (eye safe)
Resolution in Z Axis	0.1 mm (0.004 in)
Accuracy	Up to 0.5 mm (0.002 in) on a 500 mm (20 in) volume

Included

- Carrying Case
- Calibration Plate
- Ergonomic Support
- Firewire Cable
- Pcmcia Connecting Card
- Power Supply
- 2,500 Reflective Targets
- 1-Year Warranty on Parts & Labour

Each footprint 3D scan comes with proprietary data acquisition software that powers the 3D laser scanners line-up. This software provides true automatic multiresolution and real time 3D rendering visualization. Footprint is easy to learn and use, and offers powerful options such as enhanced direct .stl generation, surface reconstruction, surface optimization algorithms, improved compatibility (64 bits) and more!



ORTHOTICS
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Driving the orthotic rEvolution™

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footprint
3D LASER SCAN



Revolutionary 3D laser scanning technology: Introducing *footprint*

FOOTPRINT

The truly portable, self-positioning handheld footprint laser scanner delivers great benefits for the clinical and biomechanics of foot analysis. The footprint is a highly innovative 3D scanning device that proved extremely useful and efficient in the fields of orthotics and prosthetics. Thanks to quick shape acquisition and very high accuracy, the footprint technology allows the production of customized and perfectly-fitted devices and makes for reduced turnaround times. Plus, it offers a great alternative to traditional, tiresome and messier methods like plaster casts and foam.



APPLICATIONS & SOLUTIONS

Orthotics: 3D scanning of the feet/toes/ankles for the manufacturing of custom-made orthotic devices. The foot is scanned and the data acquired is transferred into CAD applications for design, measurement, rectification, retrofit and production purposes.

Orthotics/Prosthetics: Custom-making of artificial limbs or body part replacements.

Wound care: Non contact and painless 3D scanning of wounds for treatment and follow-up purposes (ex.: depth and length measurement at different stages of the healing process).

Plastic/aesthetic surgery: 3D scanning of body parts (ear, hand, foot, nose, breast) in order to produce a perfectly fitted and exact match prosthesis or reconstruction.

oolab Driving the orthotic rEvolution™

Perfect Fit.
Quick, no contact process

BENEFITS

- **Laser-Accurate Measurement:** The shape acquired is very accurate and constant, no matter who takes the measurements and how, or in what environment it is done (vs manual measuring).
- **Totally eye-safe laser:** Our class I laser guarantees patients' and technicians' eyes absolute safety.
- **Quick data acquisition:** Scanning sessions are short, which reduces the consultation duration and makes it possible to see more patients.
- **Quick file transfer:** The system generates direct 3D files that can be electronically transferred in seconds.
- **Not sensitive to movement:** Even with slight movements from the patient, the system is able to pursue the data acquisition without any loss in accuracy.
- **User-friendly:** The session can be paused and resumed if necessary. Very short learning curve; no extensive training required.
- **Non invasive:** Non contact scanning process, thus reducing the trauma and discomfort of patients.
- **Truly portable and lightweight:** Fits in a suitcase the size of a carry-on. Can be carried effortlessly from one room/facility to the other, or directly to the patient's home.
- **3D archiving:** The future is now! The system generates 3D files that can be archived in electronic medical record data-bases — no more heavy casts and moulds to warehouse and organize!
- **Clean:** Great alternative to traditional, tiresome and messier casting methods.
- **Loaded/unloaded 3D digital impressions:** 3D scanning that is recognized as a proven method of taking negative impressions by third party health insurance and Regulatory Colleges.

