

3D Body & Foot Scanner

- Quick and accurate 3D posture and feet analysis.
- Scientifically validated algorithms automatically calculate all the main posture and feet deviations.
- Safe data acquisition with a high degree of accuracy.



Product Description

3D body scanner is intended for precise three-dimensional scanning of human posture. It can be used for detecting irregularities in human posture and for monitoring the effects of curative interventions. The measuring system is highly accurate and easy to use. The software enables a wide range of analyses with a simple display of numerical and graphical results. The measuring base of the system consists of two high-performance cameras and white light projector. The software collects data and automatically builds a 3D model of a scan. There are many features available for the analysis of the model (definition of reference points, measurement of the distance between two reference points, analysis of the angle between two reference points, rotation of the model, 2D representation in all three planes, etc.). The mechanical properties of the measuring system and accompanying software are designed to scan the posture and feet (soles).

Basic Components of the Product

Provided by the manufacturer:

- Scanner
- Tripod
- Bench
- Cables
- PC with licensed software (see ARS Body and Foot Scanner user guide)

List of Requirements

Personal Computer:

- Windows 7 (Home, Professional, Ultimate)
- 2 GHz processor
- 2 GB RAM
- 1 GB available on the hard disk
- Video resolution 1280x760 pix
- DVD-ROM
- 4 USB ports

Note: The manufacturer usually provides a personal computer. If the client wants to provide their own personal computer, it needs to have the above-mentioned minimal requirements to run official software.

Technical Specifications

Weight

Total weight of the 3D Scanner is 19.4 kg.
Total weight of the Bench is 55.1 kg.

Environmental conditions

The scanner and bench should be stored in a dry space with a temperature range between 10 and 35 °C.

Dimensions

The dimensions of the Scanner are 1250 x 400 x 200 mm.

The tripod to which the Scanner is attached is adjustable in height from 1 to 1.5 m from the ground.

The dimensions of the Bench are 2050 x 700 x 1650 mm.

Components

(3D Scanner)

Part number	Description
1	Scanner head with Projector
2	4 x USB 3.0 Cameras and 4 x Lenses (2x 12mm, 2x 12,5mm)
3	Camera Mount
4	Tripod
5	Power cable, VGA cable, USB 3.0 cable (3m)
6	Personal Computer

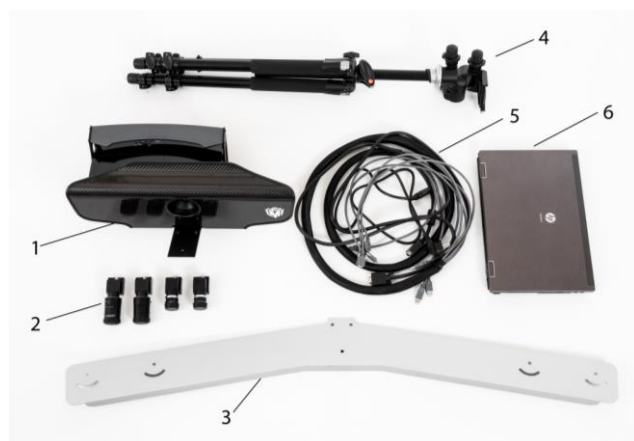


Figure: Scanner components

(Bench)

Part number	Description
1	Glass (height adjustable)
2	Front legs
3	Rear legs
4	Back support



Figure: Bench