

## OpenScan 100 Laserscanner

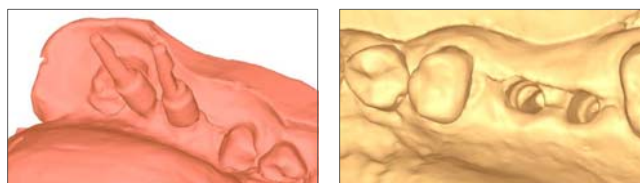
The OpenScan 100 has been developed especially for daily use in dental labs.

The actual scanning process is fully automated. Relocation of the dies is not necessary.

The Laserdenta OpenScan 100 shows his productivity: It scans not only individual dies also saw cut models and complete jaw models with gingival elements or the structure of implants at highest precision. This, of course, also includes matchings, mushbites and silicone imprints.



For definition of the position of implants, the silicone dental implant is scanned directly. This saves time – at highest precision.



### Precision at the preparation margin

While scanning, in collaboration with the laser line the high-resolution camera records approximately 12 million measuring points. Even most complicated forms can be imaged and reproduced. In the course of this, the 5-axis mechanism always places the model in the very best position so that measuring without shadows becomes possible – even difficile undercuts are registered. Thus, a clear digital image of the model is originated as basic work object for dental restoration of highest precision.

### Technical data

Precision	20 µm
Max. Object size	100 x 100 x 50 mm
Output format	STL (Surface Tessellation Language)
Width x depth x height	418 x 418 x 555 mm
Weight	30 kg
Supply voltage	110 - 220 Volt
Power	150 Watt
PC Connections	2 x USB2, Firewire IEEE 1394

## OpenScan 100 Laserscanner

### The advantages of the OpenScan 100

future-proof

- 5-axis scanner with great freedom of movement so that laser and camera are enabled to also record difficult spots
- scans teeth, tooth dies, saw cut models, master models, jaw models with gingival elements, matchings, mushbites, silicone imprints etc.

All of the preconditions for implant prosthetics dentistry are thus fulfilled.

precise and fast

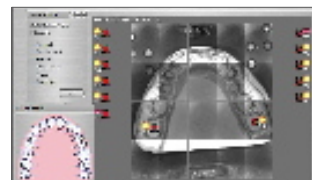
- 20 µm precision (0.02 mm) within the entire scanning area
- shows the actual photograph and offers comfortable control possibilities
- does not smooth automatically
- very simple recognition of the preparation margin
- about 60 seconds of scan time for a single die
- about 8 minutes of scan time for an entire jaw

operator friendly and multiple application

- logical guidance through the program
- what you see will be scanned
- automatic recognition of the material to be scanned (different model plasters, etc.)
- minimal calibration effort (5 minutes/week)
- stores in STL open file format; data can be used with all open milling and rapid prototyping devices



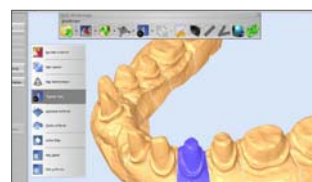
1. Model insertion into the magnetic support



2. Marking of the scanning area



3. Automatic scanning process



4. Convenient post-processing possibilities

### Contents of delivery

#### OpenScan 100 · 5-axis Dental Scanner

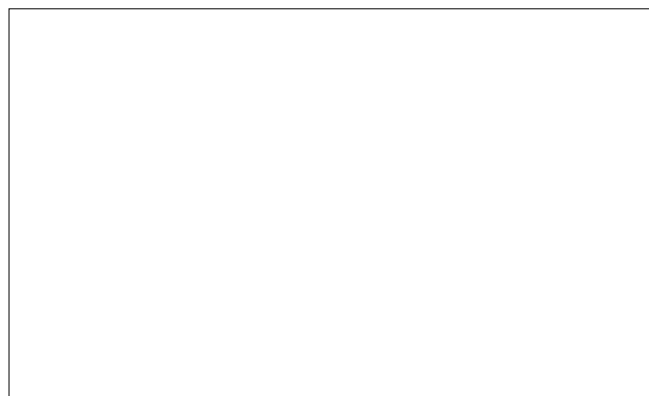
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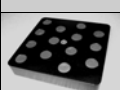

- 1 Model holder standard, 1 Putty holder
- Scanning software, available in English or German
- PC (OS in English or German) and accessories
- 22" flat-screen monitor

Installation

- 1 day instruction and training

### Accessories



	<b>Model holder standard</b>	A101200
	<b>Putty holder</b>	A101201
	<b>Multi holder</b> for scanning of several stumps	A101202
	<b>Single base holder</b>	A101203
	<b>Laserdenta Scanspray Lab</b> 200 ml	A101400