

3D PRINTER FOR DENTAL APPLICATIONS

D40



- Get better results faster -
- Stay autonomous -

The innovative solution for
efficiency and precision.

Price information 2015

Date: May 2015

3D Rapid Prototyping Printer for Dental Applications D40

Application

Our fast, high-precision 3D printer D40 was developed especially to generate the best and fastest 3D results in the market. The system's diversity provides a special benefit to its users. With only one machine model they are enabled to print models, wax* parts for cast models, drill guides, temporary crowns and bridges, individual trays etc. The additive process of the printer grants minimal material loss. Due to the patented Force Feedback technology Rapid Shape's D40 is the fastest 3D printer on the dental market.

Hint

The system is suitable for processing biocompatible materials if the material, the device and the processing process are verified according to the authorities. This is the case with our selected, Rapid Shape certified material suppliers (see paragraph: Resin / Material).

The number of officially tested materials and indications will increase continuously. Thus, the scope of Rapid Shape dental printers will grow accordingly. The Rapid Shape resin library is online updated several times a year as a part of the maintenance contract, allowing the user to process new materials immediately.

System technology needs to be reviewed annually to ensure its properties in terms of the fabrication of biocompatible products (see paragraph: Rapid Shape Services).

* wax like, suitable for burn-out

Technical details

Performance Parameters D40

Building frame:	110 * 124 (62+62) mm
Native Pixel:	+/- 29 µm
Slice Thickness:	35, 50, 100 µm
Max. part height:	80 mm
Light source:	LED Technology
Resolution:	HD 1080 x 1920 px
Building speed:	up to 50 mm/h due to Force Feedback Technology, depending on material and slice thickness

Control & Systems

Machine control:	Controller with USB interface and external network connection
FFS:	patented Force feedback system to run high speed at high precision
Model file format:	*.stl files, .slc files

Installation

Elektrical supply:	110 – 250 V , 50/60 Hz
Size:	370 * 680 * 370 mm [W*H*D]
Weight:	approx. 24 kg

D40

32.495 EUR

D40 - Accessories / Features

Start-up Package (mandatory)

1.190 EUR

Consisting of: 1 calibration plate, 1 resin reservoir, 1 spatula, 1x cards, 200gr calibration resin, magnifying glass, LCD-Monitor, calibration sensor

Resin Reservoir

340 EUR

Building Plate standard D40

360 EUR

Building Plate glass D40

420 EUR

Software

NetFabb Studio Professional including Rapid Shape engine

included

Full-fledged CAM tool allowing file repair, positioning & nesting, duplication, Boolean operation and slicing the STL-files into layers and setting up the individual job parameters for the processing using the resin library;
For more information refer to <http://www.netfabb.com/professional.php> .

Rapid Shape Resin Library

included

Containing the material and process parameters for all Rapid Shape® resins. Library is adjustable by user; Updates available; Open system

CamBridge for Rapid Shape

1.870 EUR

Dental CAM tool for direct connection to 3Shape CAD software, as well as to other CAD software with .stl file format; automatic support generation and nesting.
(Yearly license fee: 350 EUR)

CamBridge for Rapid Shape (unlimited license)

2.800 EUR

Dental CAM tool for direct connection to 3Shape CAD software, as well as to other CAD software with .stl file format; automatic support generation and nesting.

Rapid Shape Services

System Training

2.600 EUR

2 + 1 day training at Rapid Shape premises (maximum 8 participants/ class):

2 days with instructor, 1 day stand-alone usage of printers with backup by instructor

Contents of the course:

- Usage of NetFabb (supporting parts, nesting, slicing, creating a print file)
- Material libraries
- Printer-handling (putting printer to a network, setting up a printer, calibrating a printer, using a printer, cleaning and post-treatment of parts)
- Printing of samples (material and consumables free of charge)

Rapid Shape provides the instructor and reserves the right to set the date, to pool different parties in 1 course, to postpone and to cancel it if necessary.

Training at Side

3.300 EUR

3 day on site service including installation, setup and calibration of the machine and personal training on the machine. (Daily fee 1.100 EUR / excluding travel and accommodation costs of the Rapid Shape technician(s)).

Travel costs will be charged according to time (travelling time 80 EUR/hour),

Distance and means of transportation and accommodation.

Consulting Service & Maintenance Contract (annual fee, mandatory)

2.500 EUR

Maintenance, general calibration, Software-Update and LED calibration,

1 visit / year (excluding travel costs). Technical Support Hotline

Resin / Material

FotoDent® materials of company Dreve available directly via Dreve GmbH

Max-Planck-Str. 31 - D-59423 Unna, Tel.: +49 (0) 2303 - 8807-399

www.dreve.com , contact: Mr. Thomas Beier

Commercial / Delivery Conditions

Delivery time:

According to individual agreement, approx. 6 weeks, depending on German export rules and customs procedures.

Prices quoted:

EXW Ex Works Heimsheim ICC - Incoterms® 2010 [excluding packing, freight, insurance & installation]. Packing, insurance and FOB service will be carried out against charge.

Field services are charged on the basis of our Conditions for Installation and Commissioning.

Packaging:

300 EUR

Special packaging for D40, mandatory

Validity:

The prices quoted are valid per date mentioned on page 1. They may be changed without notice.

Terms of payment:

50 % of order value payable by down payment with order.

50 % of order value via S.W.I.F.T. after completion and test-run, before dispatch of the system.

Warranty:

Parts and labor warranty 12 months (Ex Works), transport costs not included. Email and telephone service integrated during warranty period. Maintenance contract mandatory

Please feel welcome to contact us for any additional information you may require or on account of any questions that may arise!

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