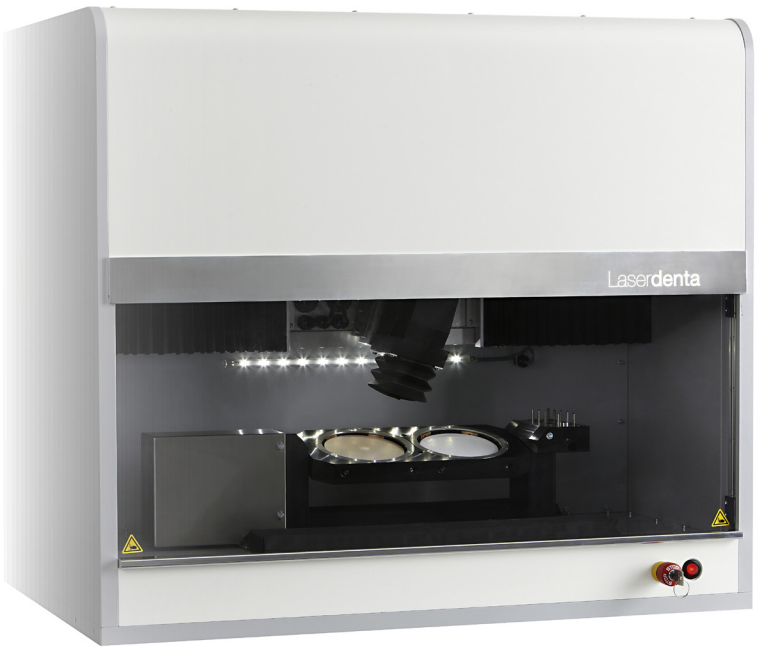
Laserdenta

OPENSCAN · OPENCAD · OPENMILL

OpenMill 500

5 axis mill

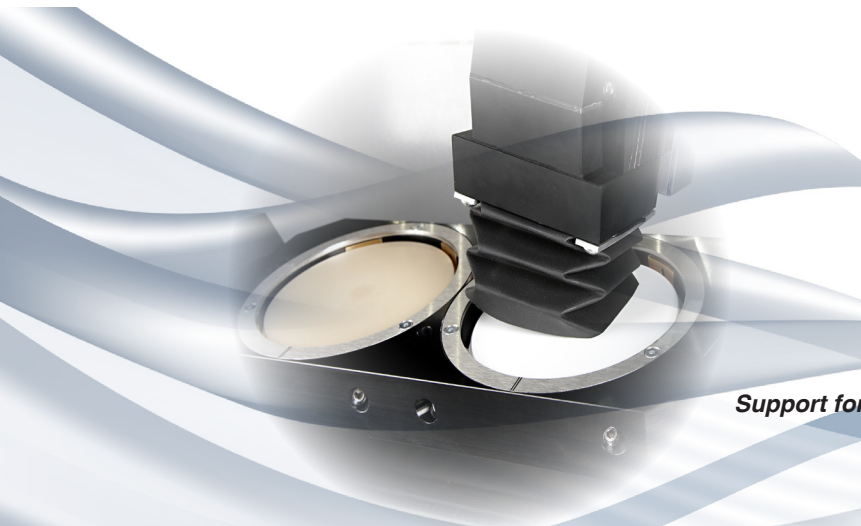


Arguments for the 5-Axis-Milling Device

- Open STL format
  Data import in STL industrial standard
- Output layout of the CAM module to the Milling Device according to G-Code of DIN 66025 and ISO 6983
- Processing of all composites and "green"- zirconium discs (partially sintered)
- Optimized for materials by Laserdenta. However, there is no obligation to particular materials!
- 2 material supports
  for standard discs of Ø 95 to 98 mm
- CAM module also integrated into the Open CAD programs and, therefore, even more effective processing
- Repetition accuracy < 10 µm
- Automated 10 milling tool changer
- 5,000 – 60,000 rpm, continuously variable
- Milling time pro item about 10 minutes (Version Q2/2011 or new mill firmware)
- High precision due to permanent control of the variance analysis of every milling point

Laserdenta's OpenSystem has been particularly developed for today's, tomorrow's and future demands within the dental lab. This allows return of added value of expensive outsourced service back into the own lab. Its five axis as well as the actual position control allow multiple deployment of the Open Mill 500 Milling Device and ensure simple, precise production of dental restorations, individual abutments, drilling jigs …

Automated calibration after each tool change.



Support for 2 material discs

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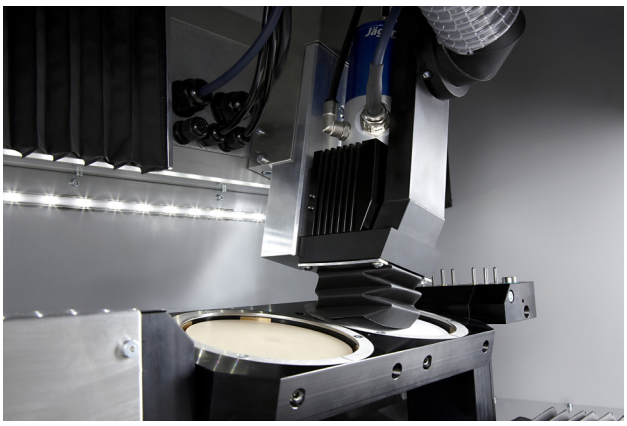
The Advantages for your Dental Lab

- Increase of the cost effectiveness of your lab due to own production
- Expansion of the application field of an CAD/CAM system for the low cost sector using Laserdenta Material
- All models in the open STL data format can be processed with the OpenMill 500
- The STL data is imported into the CAM module, located and automatically further processed
- Large frameworks are capable of nesting into thin materials discs by activating the 4-axis insertion direction in OpenCAM software.
- Free choice of materials



Article-No.:A401002 DE OpenMill500
Article-No.:A401002 EN OpenMill500

Contents of Delivery

OpenMill 500 · 5-Axis Milling Device
Including
CAM Module (available in English and German)
Data input PC (available in English and German)
Installation, 1 day instruction and training

Technical Data

- Basic control Laserdenta CAM Module
- Width x Depth x Height 780 x 540 x 690 mm
- Weight about 130 kg (without pedestal)
- Spindle power 0.3 kW
- Spindle rotation 5,000 - 60,000 rpm continuously variable
- Automatic tool changer 10 tools
- Support for milling head pneumatic draw-in attachment,
- Shaft Ø 3 mm
- Resolution XYZ 0.005 mm
- Accuracy < 0.015 mm
- Travel width x depth x height 300 x 120 x 100 mm
- Time per item about 10 min. *new Version Q2/2011 (depending from the material)
- Power 600 W
- Supply Voltage 110 or 220 V
- PC Connections USB
- Compressed air min. 6 bar (permanent)

EN ISO 12100 / EN 954
EN 60204 / EN 60825
EN 61010-1
EN 61000-6-4
EN 61000-6-2

CE

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