

DC5™



DC5™ *Milling-system for the modern dental laboratory!*

The DC5™ enables the dental laboratory to make the jump to a new dimension of CAD/CAM. Thanks to ultra-modern technology, the milling system - packed in an up-to-date design - is an appealing high-performance milling system. With integrated automation, adjustable extraction technology, independent measurement system and the possibility to use all commercially available dental materials, the DC5™ meets the requirements for comprehensive milling centers.



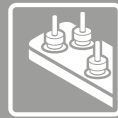
**5 - AXIS
SIMULTANEOUS MACHINING**



**7-DISC
MULTI-BLANK CHANGER**



**2 COOLANT PORTS
FOR MILLING AND GRINDING**



**10-TOOL MAGAZINE
WITH MAGAZINE SYSTEM**



**SECURE PREFACE ABUTMENT
MANUFACTURING**



**AUTOMATIC
MACHINE MEASURING SYSTEM**



**PRECISE GRINDING
OF CERAMIC MATERIALS**



**USER-FRIENDLY OPERABILITY
BY TOUCH SCREEN**





DC5™ - for those who want to increase their productivity

The DC5™ is not only a machining center for efficient and safe production in the modern dental laboratory, but also offers the user convenience for user-friendly operation.

The modern control system is specifically designed for the system and the use of powerful industrial CAM software, clearly displayed on the integrated touch screen.

Taking into account the requirements of dental technology, the DC5™ provides a stepup to the upper class of mills, despite a man-ageable investment, thereby ensuring a safe competitive advantage for the user.



DC5™ - well thought through for the dental technology

The experience of the development team at Dental Concept Systems is reflected in the system design. The whole as a composition of the individual components, put together in an elegant design and its resulting possibilities.

The DC5™ also impresses with its intelligent component integration with its relatively compact design. An industrial dental milling system housed in a contemporary modern appeal.

The finish, the fit and the performance are purposeful as with any professional device.

Ultimately designed to provide long-term precision aesthetics production!





System diversity!

The milling systems of Dental Concept Systems provide dental laboratories all over the world a wide variety of options through intelligent composition. Devices can be controlled and organized together utilizing the control software. Used successfully by many, observant dental technologists all over the world have benefited from the use of these systems in their modern laboratories.



Certainly the original

Since 2011, the DC5™ system has been manufactured by Dental Concept Systems and our company has many years of experience to utilize.

The DC5™ system is a more productive class for many dental facilities. The ability to operate an extensive dental processing center despite manageable acquisition and operating costs has proven advantageous. The desire, to step-up from simple table-top devices, to more effective free standing systems, increases capabilities and expands offerings to include all commercially available materials.



Large Z-axis angle

Due to the extended angle of the Z-axis, the DC5™ milling system is particularly well suited for manufacturing bite splints, models and prostheses. Deep cavities and widely undercut areas can be milled reliably. The disc changer allows continuous use and can precisely determine positioning with the help of on-board automatic blank surveying. Due to the special design of the debris tray, even in wet operations, larger amounts of residual material are collected and easily disposed of.



Precise Preface Abutment manufacturing

The production of abutments can also be carried out by utilizing the pre-mill process in the DC5™.

Thanks to the automatic calibration procedure, the workpiece holders in the automation system are checked for exact positioning. Thus, targeted processing of the PreFace bodies is ensured. A clear plus, for safe production and consistent manufacturing quality, which is particularly important in the field of implantology. In the DC5™, PreFaces can be produced in all materials, wet or dry!



Efficiency for high demands

In addition to the normal range of dental work, the system can produce high-quality and sophisticated restorations for the latest cutting edge requirements. The safe manufacture of implant-supported supraconstructions and abutments allows dental laboratories a quick amortization of their DC5™. Despite the great complexity, DC5™ users quickly become experts in our dental academy and can apply a variety of new requirements and grow quickly.



German engineering quality

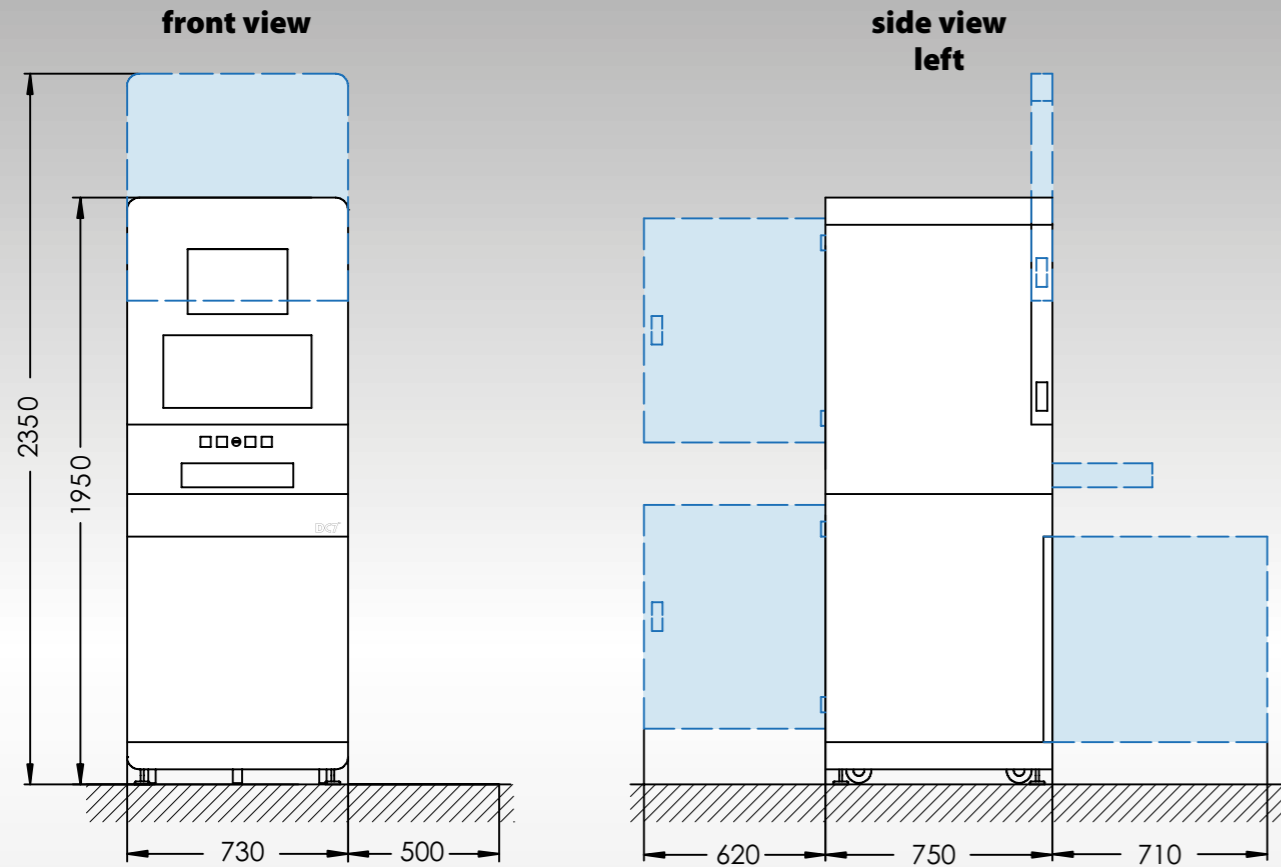
DCS systems are manufactured according to the rules of German engineering quality in solid construction. Durability is the primary objective. Therefore, we continuously support our customers to maintain the value of their systems by periodically offering updates to their systems. This is just one of the ways we provide stable a value.

In-house production

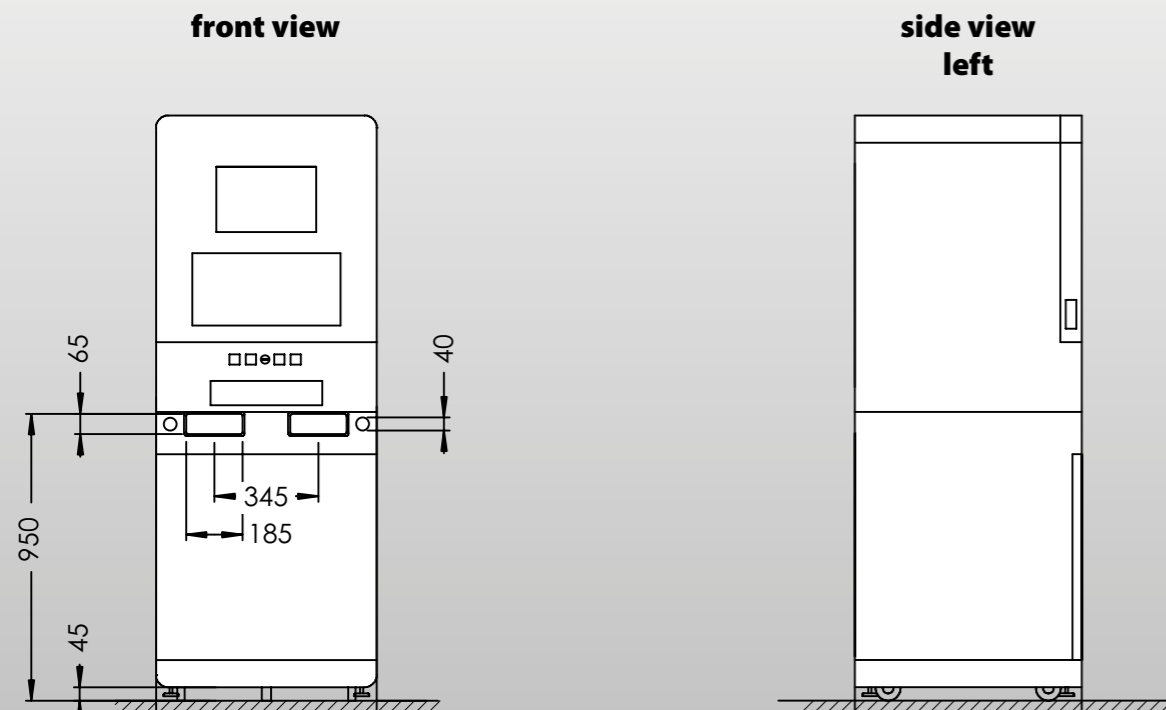
Dental Concept Systems products are designed and manufactured In-house, therefore, we always have a clear overview of all the technical aspects of our products.

Service operations are carried out exclusively by staff who have full knowledge of production. We are the manufacturer and know our products completely.

Installation plan DC5™



Transport plan DC5™



Scale: 1:25
Data in mm

Technical data for the DC5™

Measurements in cm (W x H x D)	73 x 195 x 75
Weight in kg	530 (without extraction system)
Spindle	High-frequency spindle with hybrid ball bearing Max. rotary speed: 60,000 rpm
Tool holder	Pneumatic chuck for drills with 6 mm shaft
Angle of inclination in the rotary axes	± 360° (B-axis) and ± 30° (A-axis)
Repeatability	± 0.01 mm
Blank changer	7-disc
Compressed air connection	min. 7 bar
Voltage/frequency	230 V / 50 Hz
Transport system	mounting rails, forklift, lift truck, crane

Machine comparison

DC1™ DC5™ DC7™

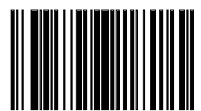
	DC1™	DC5™	DC7™
Milling system for all materials for milling, grinding, drilling, cutting	✓	✓	✓
5-axis milling system, simultaneous	✓	✓	✓
Secure PreFace Abutment manufacturing	✓	✓	✓
Precise grinding of ceramic materials	✓	✓	✓
Automatic machine calibration system	✓	✓	✓
Milling System as a desktop device	✓	○	○
Milling System as a floor-standing device	○	✓	✓
1 coolant port for milling and grinding	✓	○	○
2 coolant ports for milling and grinding	○	✓	✓
Integrated, fully automatic extraction system from Zubler	○	✓	✓
Integrated computer and touch screen	○	✓	✓
Exchangeable 10-tool magazine	○	✓	○
Exchangeable 20-tool magazine	○	○	✓
18-tool magazine with automatic carousel	✓	○	○
Heavy duty industrial spindle with high clamping force	○	○	✓
Solid machine frame for low-resonance continuous production	○	○	✓
Automatic blanc-measuring system in the 7-fold changer	○	○	✓
Spindle shape enables large setting angle	○	○	✓



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Subject to technical changes.

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