

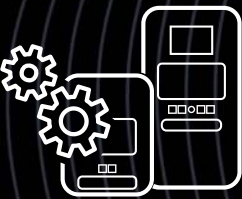
# DCS SYSTEMS



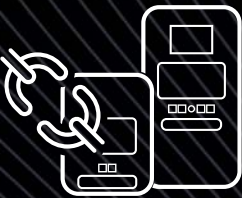
Industrial thinking  
encompasses generations

# DCS MILLING SYSTEMS

START A FAMILY BUSINESS



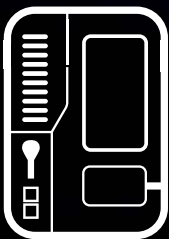
**RELIABLE PROCESS**  
Consistent precision in all production steps!  
The entire DCS machine concept ensures consistently reliable high-quality milling results.



**INDEPENDENT**  
The modular design provides ease of use in maintenance and servicing and sets a new standard. Modules can be replaced on-site if required, meaning that processing can be continued as quickly as possible. Stay in full control!

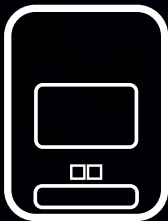


**STABLE VALUE**  
Unlike other systems, the DCS system is not designed to last merely for a warranty period or until investment is recouped. It is also designed to be sustainable.  
All standard components will still be available in 25 years. The high-quality materials and the build of the machine are designed for durability. Many customers view the current DCS machine as a high-quality investment to acquire a more comprehensive DCS solution that meets newly compiled requirements.



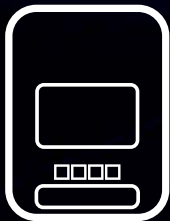
**DCCQ**<sup>TM</sup>

**clever**



**DCX**<sup>TM</sup>

**smart**



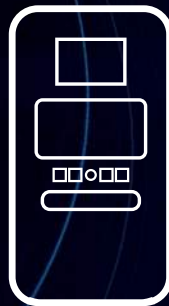
**DC1**<sup>TM</sup>  
—PRO—

**compact**



**DC3**<sup>TM</sup>  
—PRO—

**individual**



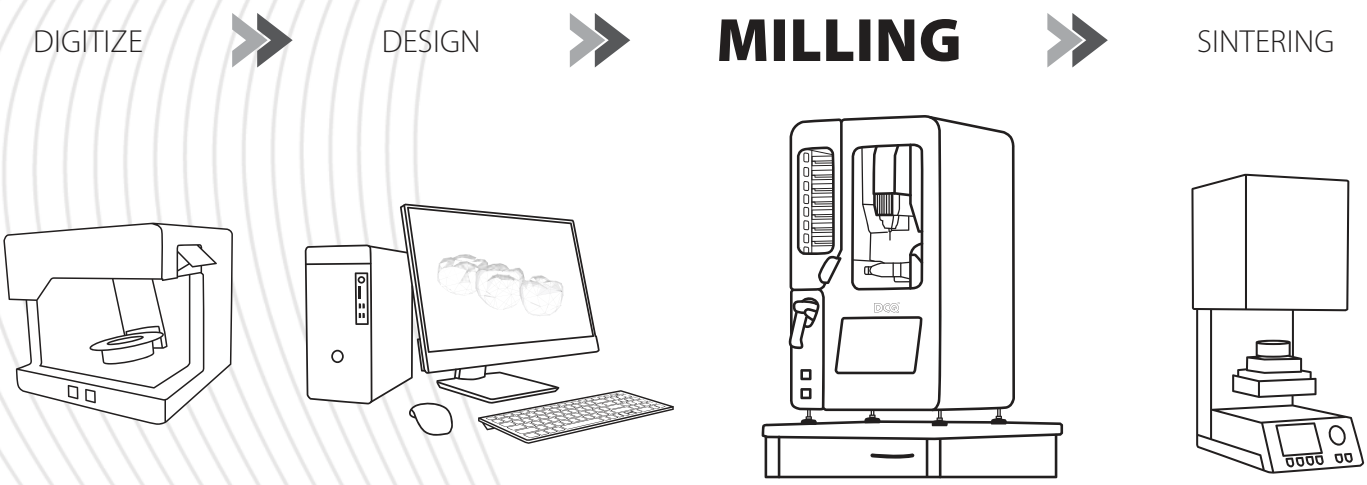
**DC7**<sup>TM</sup>  
—PRO—

**maximum**



# MATERIAL AND SYSTEM VARIETY

ensures a clear competitive advantage



Efficiency and complexity are the secrets of a successful production chain.

To ensure that DCS system users can enjoy this promising symbiosis, a team of programmers, engineers, machinists and dental technicians is constantly working around the clock on new ideas and methods for the entire range of materials used by Dental Concept Systems.

All materials are specially adapted to the system components concerned and manufactured to specialists' specifications. Even during the development and programming of new options in the control CAD and CAM software, the matching tools and materials are being developed and manufactured at the same time.

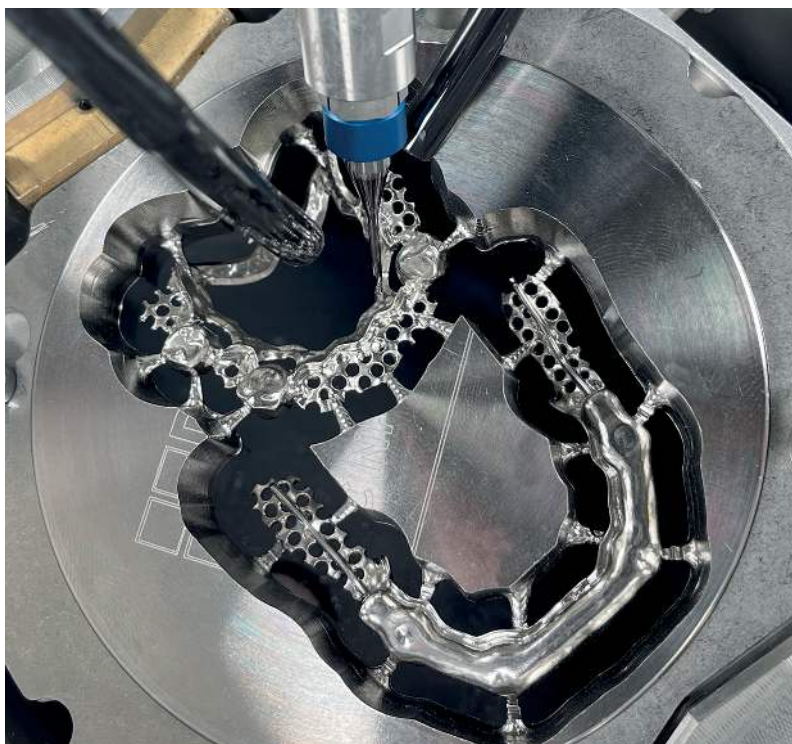
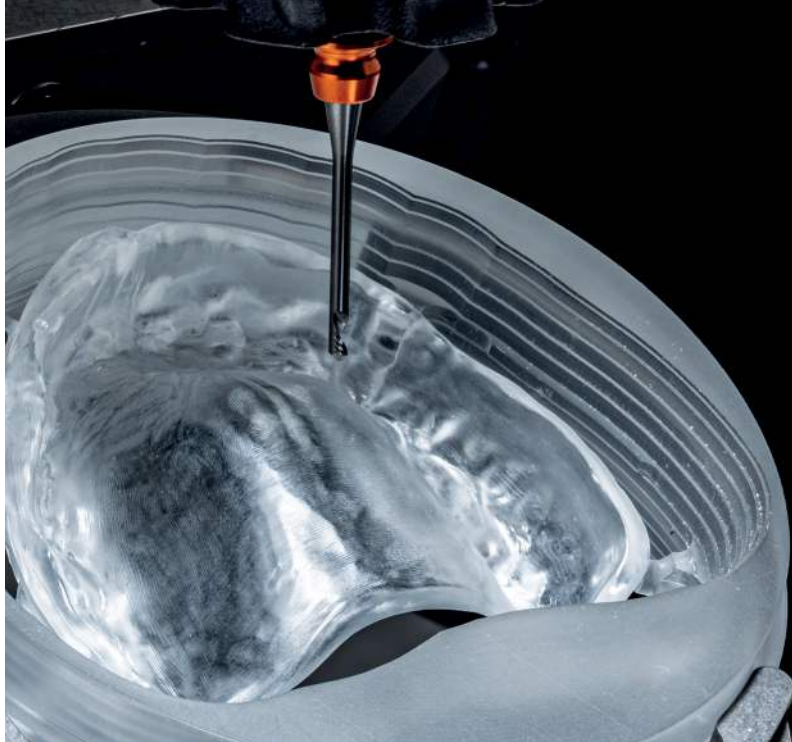
Dental Concept Systems always gives DCS users the necessary process reliability for all system components. The goal is always uninterrupted production processes in the dental laboratory.

DCQ™ DCX™

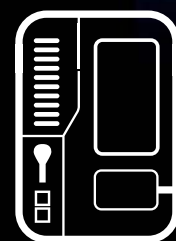
ZIRCONIA	COMPOSITE	PMMA	PA
PC	POM	PEEK	WAX
HIGH-PERFORMANCE CERAMICS	TITANIUM PREFAB	C-CLAMP HOLDER	

DC1™ DC3™ DC7™  
—PRO— —PRO— —PRO—

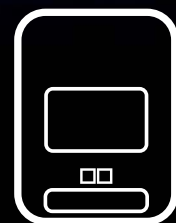
ZIRCONIA	COMPOSITE	PMMA	PA
PC	POM	PEEK	WAX
COCR	TITANIUM	HIGH-PERFORMANCE CERAMICS	TITANIUM PREFAB



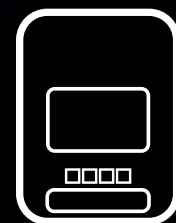




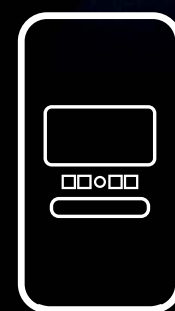
DCQ™



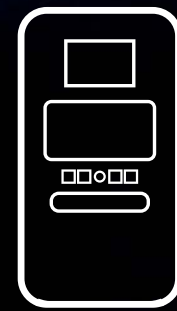
DCX™



DCI™  
— PRO —



DCB™  
— PRO —



DC7™  
— PRO —

## START A **FAMILY BUSINESS**

Systems from Dental Concept Systems enable dental laboratories all over the world to offer a wide range of options through intelligent combination.

Device family systems can be controlled and control software. These are benefits that many users have recognised and successfully put to good use in modern dental laboratories.



# BENEFIT FROM 360° DENTAL EXPERTISE

with coordinated workflows and products!



50 years of bredent

# DCS = BREDED GROUP INCLUSIVE

- Matching process components
- Over 50 years of dental know-how
- Provider of solutions for the entire workflow

We see ourselves as your partner with a common concern: the health of our patients. Experience this philosophy being put into practice in all details of the coordinated system in any DCS milling machine. You get much more than just a precision device: Tools and materials achieve precision, durability and optimum performance together. Offer your customer exceptional, intelligent products, including support for immediate restoration and physiological and biocompatible prosthetics, intelligent interfaces and much more, and offer your patients optimum quality health and beauty.



# COMPARISON OF THE DCS FAMILY

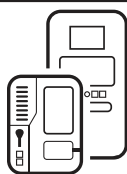
INDICATIONS	DCQ™	DCX™	DC1™ —PRO—	DC3™ —PRO—	DC7™ —PRO—
Zirconia	✓	✓	✓	✓	✓
Grinding of high-performance ceramics	✓	✓	✓	✓	✓
Composite	✓	✓	✓	✓	✓
Bionic frameworks in BioHPP	✓	✓	✓	✓	✓
PMMA, PA, PC, POM	✓	✓	✓	✓	✓
PEEK/BioHPP	✓	✓	✓	✓	✓
Acetal	✓	✓	✓	✓	✓
Aluminium for models, stumps and measuring bodies	✗	✗	✓	✓	✓
Use of prefabricated implant interfaces	✓	✓	✓	✓	✓
Prefabs in Ti, BioHPP, acetal	✓	✓	✓	✓	✓
Telescopes, primarily zirconia and secondarily in BioHPP	✓	✓	✓	✓	✓
Telescopes, primarily and secondarily BioHPP	✓	✓	✓	✓	✓
Frameworks in CoCr or titanium	✗	✗	✓	✓	✓
Telescopes, primarily and secondarily in CoCr	✗	✗	✓	✓	✓
Superstructures – screwed directly into metal	✗	✗	✓	✓	✓
2-in-1: Framework and veneering in one continuous workflow	✗	✗	✓ (manual)	✓ (automatic)	✓ (automatic)
Two separate cooling circuits for ceramic and titanium	✗	✗	✗	✗ (optional)	✗ (optional)

MACHINE CHARACTERISTICS	DCQ™	DCX™	DC1™ —PRO—	DC3™ —PRO—	DC7™ —PRO—
Axes	5-axis simultaneous	5-axis simultaneous	5-axis simultaneous	5-axis simultaneous	5-axis simultaneous
Spindle power	860 W	500 - 560 W	1.280 W	1.280 - 1.480 W	1.480 - 3.600 W
Toolholder	4 mm	3 mm	6 mm	6 mm	6 mm
rpm	6.000 – 100.000	100.000	60.000	60.000	60.000
Compressed air	2.0 bar, 20 l/min	6.5 bar, 50 l/min	6.5 bar, 50 l/min	6.5 bar, 80 l/min	6.5 bar, 80 l/min
Machine format	Desktop	Desktop	Desktop	Floor unit	Floor unit
Machine control computer	Tablet with touch function	Laptop	Desktop	Desktop (optionally integrated)	Integrated
Coolant circuits	Suction & cooling automation	1	1	1 (2 optional)	2
Tool exchange system	19-fold	18-fold	18-fold	20-fold (per tool magazine)	20-fold (per tool magazine)
Blank positions in automation	8	1	1	4 (7 optional)	7
Axis position to Z axis	32 °	32 °	32 °	32 °	32 °
Axis measurement	automatic	automatic	automatic	automatic	automatic
3D calibration for implant geometries	---	---	optional	optional	optional
Maximum workpiece positions in prefab processing	6	6	6	24 / 42	42
Continuous B-axis with blank support on both sides	---	integrated	integrated	integrated	integrated
C-Clamp Halter	integrated	integrated	optional	---	---
Quick Cleaning-Boxing	integrated	---	---	---	---
Integrated multi-ionization	optional	---	---	---	---

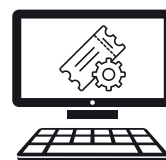




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