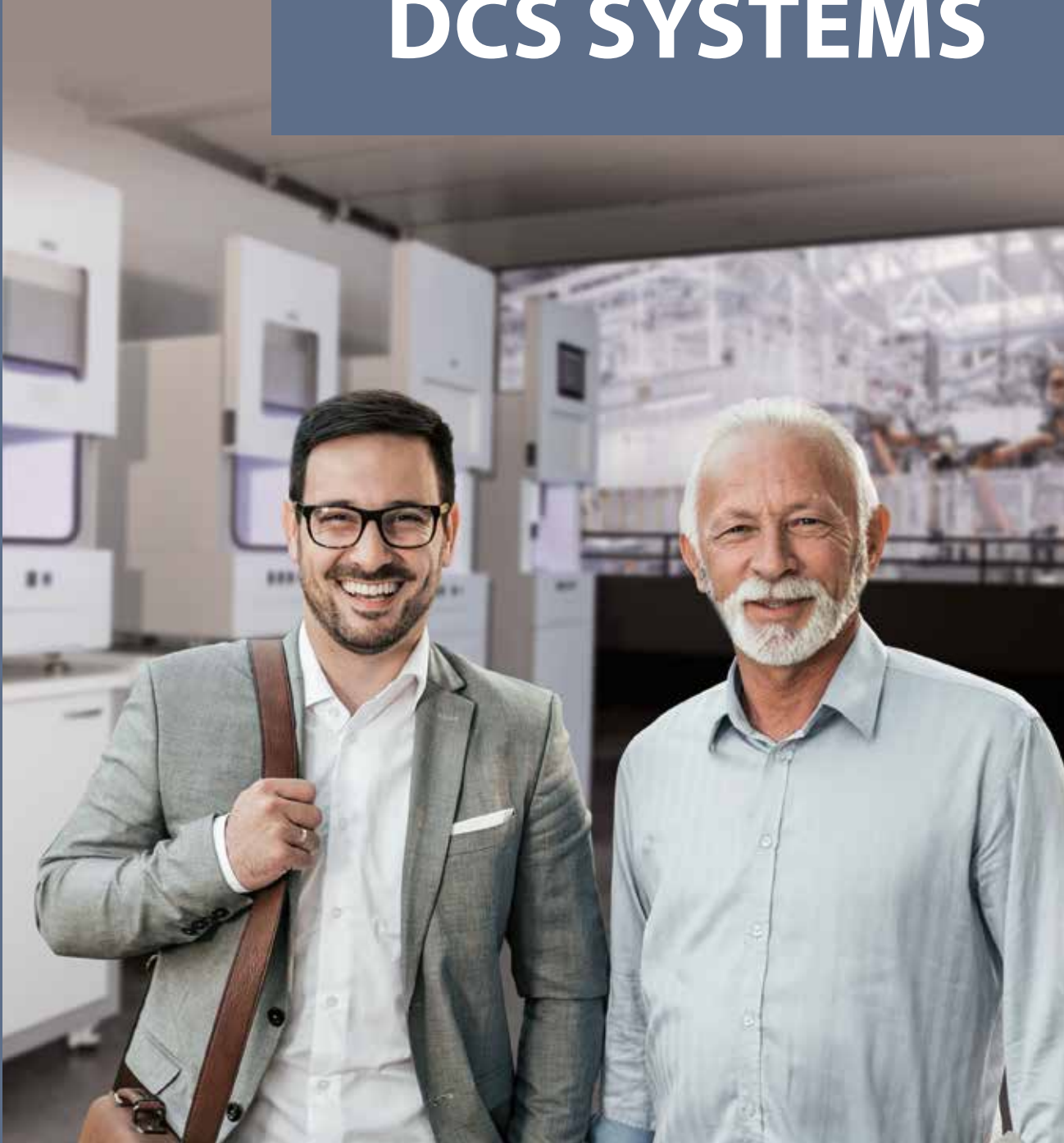


CAD/CAM TECHNOLOGY
DCS Systems

breedent^{group}

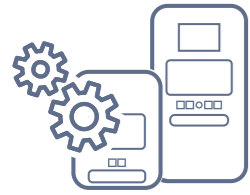
 **DENTAL**
Concept Systems

DCS SYSTEMS



Industrial thinking
encompasses generations

DCS SYSTEMS



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.



DCX™

DC1™

DC3™

DC7™

With DCS in the bredent® Group!

- **Matching process components**
- **Over 45 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. Offer your patients optimum quality health and beauty.

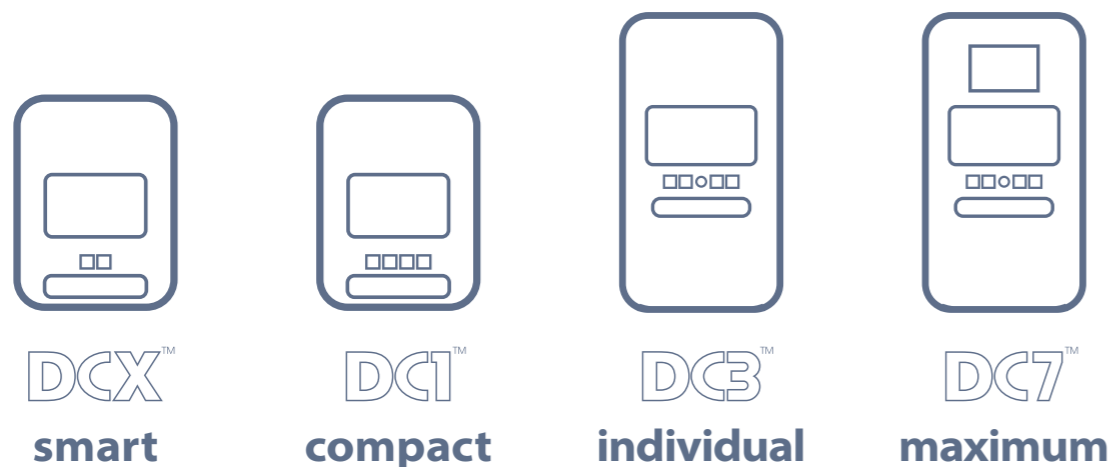




Start a family business!

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.



digitize ➡ design ➡ **milling** ➡ sintering

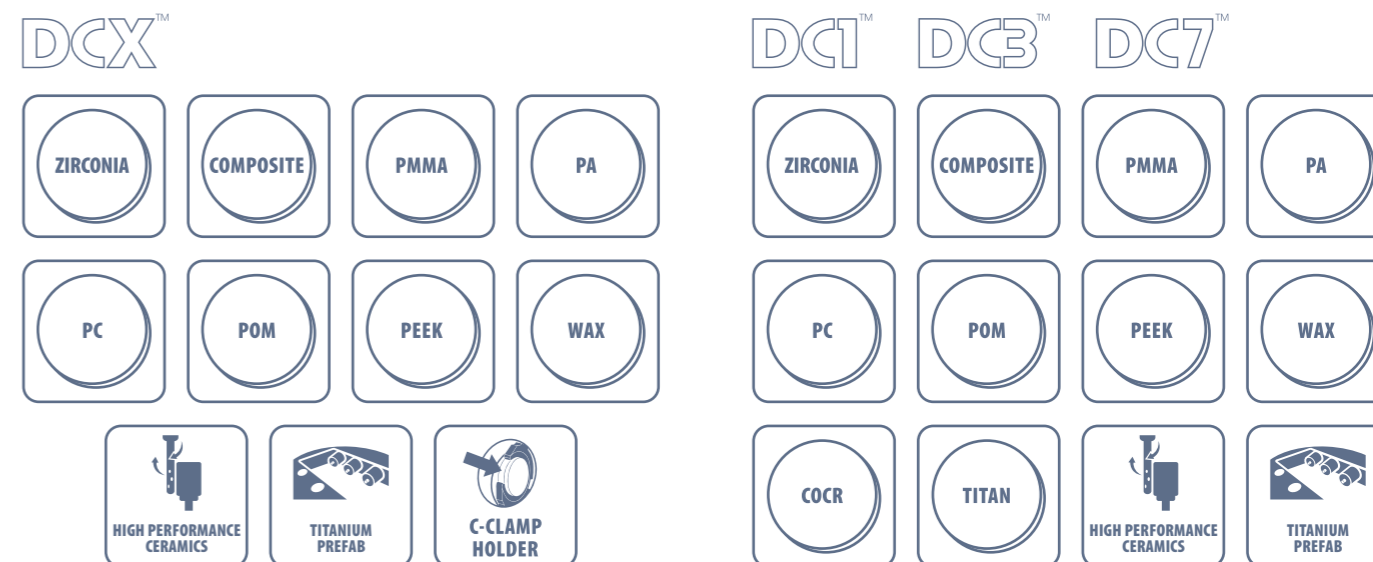


DCS materials and system variety provide a clear competitive advantage!

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 that Dental Concept Systems uses. All materials are specially adapted to the corresponding system components and manufactured to the specialists' specifications.

Processable materials



DCS SYSTEMS

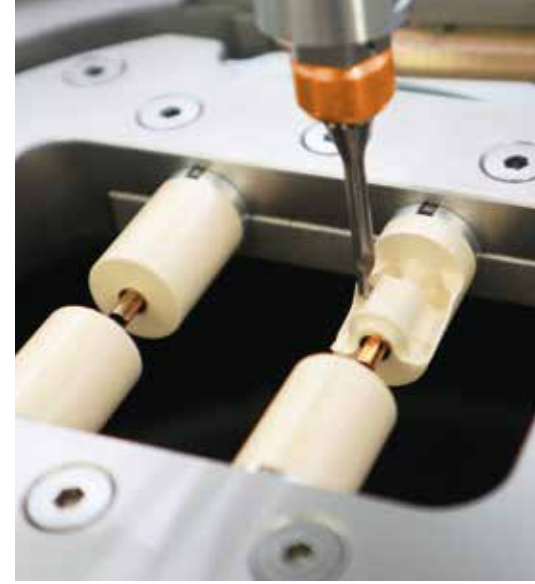
Benefit from 360° dental expertise with coordinated workflows and products.



Comparison of the DCS family

Indications	DCX™	DC1™	DC3™	DC7™
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	X	✓	✓	✓
Telescopes, primarily and secondarily in CoCr	X	✓	✓	✓
Superstructures – screwed directly into metal	X	✓	✓	✓
2-in-1: Framework and veneering in one continuous workflow	X	✓ (manual)	✓ (automatic)	✓ (automatic)
Two separate cooling circuits for ceramic and titanium	X	X	X (optional)	✓

Machine characteristics	DCX™	DC1™	DC3™	DC7™
Axes	5-axis simultaneous	5-axis simultaneous	5-axis simultaneous	5-axis simultaneous
Spindle power	500 - 560 W	980 W	1.260 W	1.480 - 3.600 W
Toolholder	3 mm	6 mm	6 mm	6 mm
rpm	100.000	60.000	60.000	60.000
Compressed air	5,5 bar, 50 l/min	7,8 bar, 50 l/min	7,8 bar, 80 l/min	7,8 bar, 80 l/min
Machine format	Desktop	Desktop	Floor unit	Floor unit
Machine control computer	Laptop	Desktop	Desktop (optionally integrated)	integrated
Coolant circuits	1	1	1 (2 optional)	2
Tool exchange system	18-tool	18-tool	20-tool (per tool magazine)	20-tool (per tool magazine)
Blank positions in automation	1	1	4 (optional 7)	7
Axis position to Z axis	32°	32°	32°	32°
Axis measurement	automatic	automatic	automatic	automatic
3D calibration for implant geometries	---	optional	optional	optional
Maximum workpiece positions in prefab processing	6	6	24/42	42
Continuous B-axis with blank support on both sides	integrated	integrated	integrated	integrated
C-clamp holder	integrated	optional	---	---



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