

cameo[®]



CMW-400 CMD-500

■ Make People Healthier and More Beautiful



Building Dental Ecosphere with Science and Technology



CMW-400&CMD-500 What are the differences?

	CMW-400	CMD-500
Number of axes	4	5
Processing mode	wet	dry
Spindle	high rotation speed	high torque
Millable material	glass ceramic/ premill abument/ PMMA	zirconia/ PMMA/ wax
98mm C-Clamp holder		✓
98mm C-Clamp holder with secondary plastic		optional
Holder for glass ceramic and premill abutment	✓	
Block holder		✓



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CMD-500



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CMW-400

 **Cameo chairside system**

IOS

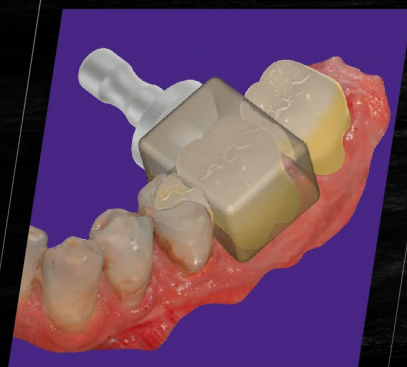


Cameo Intraoral Scanner
Cameo Elegant 3
Cameo Rapid S6000
3shape TRIOS 3

CAD

exocad

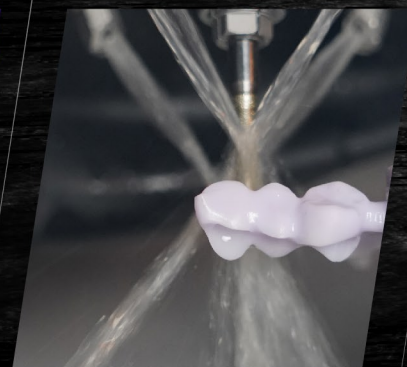
Exocad ChairsideCAD



CAM

MILL BOX
hyperDENT

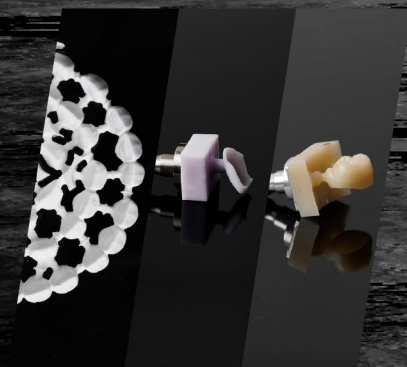
Hyperdent
Millbox
worknc



Materials



Pre-sintered zirconia / Premilled /
Glass ceramic / Wax / Composite /
PMMA / PEEK



Milling



CMW-400

CMD-500

Result



Veneer



Inlay, Onlay



Crown, Bridge



Abutment



Denture



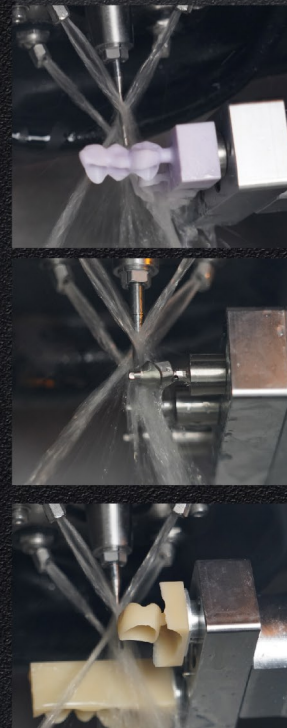
Temporary crown/
bridge



Cameo CMW-400 THE INTELLIGENT CHAIRSIDE WET MILLING SOLUTION

The new Cameo CMW-400 is the perfect choice for wet milling equipment in the chairside system. Because of the new design and development concept, CMW-400 can excellently complete the processing of glass ceramics, premill abutment, PMMA.

The high-quality one-piece cast aluminum construction ensures maximum stability with a minimum equipment size. The shell adopts ABS injection molding process, and the overall texture is greatly improved, which is more in line with the appearance of a chairside milling machine. Meantime, a series of intelligent designs, such as smart tool replacement, three-color light running status prompts, security lock, milling fluid flow detection, allowing dentists to operate CMW-400 in a more economical, safer and faster way to complete the chairside milling.



Cameo CMW-400 Highlights



High-quality one-piece cast aluminum construction. Miniaturized design.



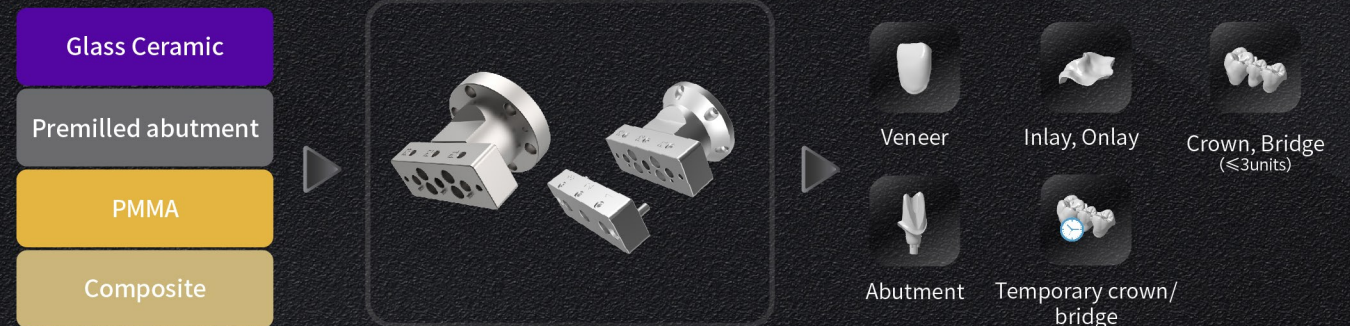
Optimized for the integrated CAD/CAM workflow with exocad. Fast processing of glass ceramic and premill abutment. Smart tool replacement.



Security lock. Tool life detection. Milling fluid detection.



Integrated water tank.

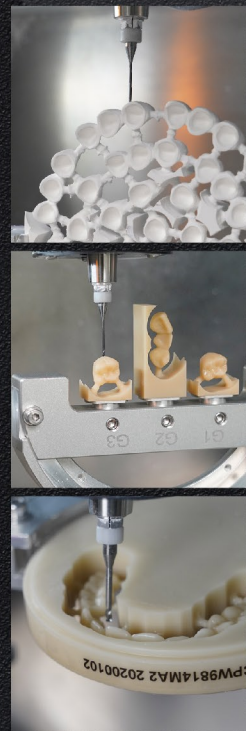




Cameo CMD-500 THE INTELLIGENT CHAIRSIDE Dry MILLING SOLUTION

The new Cameo CMD-500 is the perfect choice for dry milling equipment in the chairside system. Because of the new design and development concept, CMD-500 can excellently complete the processing of zirconia, PMMA.

The high-quality one-piece cast aluminum construction ensures maximum stability with a minimum equipment size. Using the 5-axis simultaneous technology, also the C-type holder and block holder can be integrated in addition to the single universal holder. This ensures it easier for dentists to use materials of different sizes. Meantime, a series of intelligent designs, such as smart tool replacement, three-color light running status prompts, security lock, allowing dentists to operate CMD-500 in a more economical, safer and faster way to complete the chairside milling.



Cameo CMD-500 Highlights



5-axis simultaneous.
High-quality one-piece cast aluminum construction.



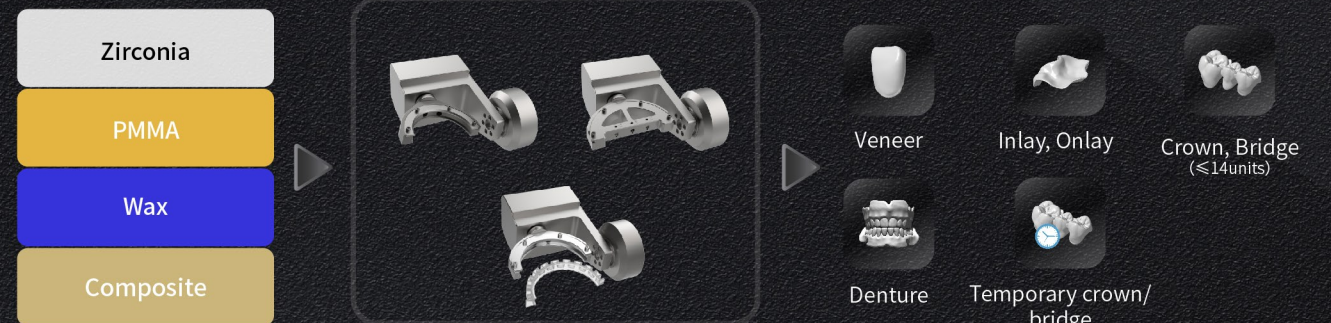
Optimized for the integrated CAD/CAM workflow with exocad.
Fast processing of zirconia.
C-type fixture achieving 90° vertical processing.



Lonizer equipped for easy cleaning.
Smart tool replacement.



Security lock.
Tool life detection.





 **CMW-400&CMD-500 Holders**

Block holder for CMW-400

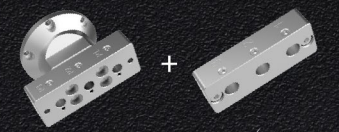
- 3 positions, suitable for glass-ceramic and PMMA block
- Glass-ceramic size I12/C14/C16/B32/B40 available
- PMMA size 18*13*15/20*15*14/20*15*19/40*15*14/40*15*19/55*15.5*19 available
- Only P1 and P3 stations can be installed when the width of the processed material exceeds 16mm.



CMW-400

Premilled abutment holder for CMW-400

- 3 positions, suitable for premilled abutment
- Integrated systems Arum, Geo, manix, Yenadent, NT-trading.
- Arum system standard, other system holder optional



CMW-400

Half-open blank holder (C-CLAMP)

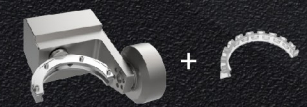
- Enables 5-axis milling up to 90 degrees axis adjustment
- Maximum material thickness 35mm



CMD-500

Half-open blank holder (C-CLAMP with plastic secondary clamps)

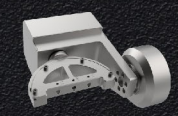
- Enables 5-axis milling up to 90 degrees axis adjustment
- Higher material nesting utilization
- Easy repeat loading alignment




CMD-500

Block holder for CMD-500

- 3 positions, suitable for zirconia and PMMA block
- Size: 18*13*15/20*15*14/20*15*19/40*15*14/40*15*19/55*15.5*19 available



CMD-500



Suction unit

SILENT compactCAM

A Renfert extraction unit, specially developed for optimized use with compact, dental CAM units.



Suction turbine power	460 W (220 V)
Volume flow (max.)	2500 l/min (1.47 ft ³ /s)
LpA** (at max. volume flow)	56,9 dB(A)
Dimensions (W x H x D)	245 x 440 x 500 mm
Fill level dust drawer	approx. 2,6 l

Cameo R-401

The Cameo R-401 vacuum cleaner was developed for chairside systems and is compact in appearance to meet vacuuming needs. It can also be connected to the device via a connection cable to enable automatic start/stop vacuuming.



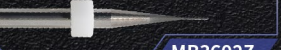




Suction turbine power	120 W (220 V)
Volume flow (max.)	4200 l/min
LpA** (at max. volume flow)	60 dB(A)
Dimensions (W x H x D)	255 x 400 x 540 mm
Fill level dust drawer	approx. 2,5 l









 **Cameo CMD-500
Tools**

Zirconia

T1 2.0/4.0 mm roto/diamond coated  MB3604Z	T2 1.0/4.0 mm roto/diamond coated  MB3603Z	T3 0.6/4.0 mm roto/diamond coated  MB3602Z	T4 0.3/4.0 mm roto/diamond coated  MB3601Z
T8 1.5/4.0 mm flat/diamond coated  MB3607Z			

PMMA




T3 0.6/4.0 mm roto/diamond coated  MB3602Z	T4 0.3/4.0 mm roto/diamond coated  MB3601Z	T6 1.0/4.0 mm roto  MB3605P	T5 2.0/4.0 mm roto  MB3606P
T8 1.5/4.0 mm flat/diamond coated  MB3607Z			

 **Cameo CMW-400
Tools**






Glass ceramic

T1 2.5/4.0 mm roto/diamond  MB3704G	T2 1.0/4.0 mm roto/diamond  MB3702G	T3 0.6/4.0 mm roto/diamond  MB3701G	T6 1.5/4.0 mm flat/diamond  MB3703G
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Premilled abutment

T1 2.5/4.0 mm roto  MB3712M	T2 1.5/4.0 mm roto  MB3711M	T3 1.0/4.0 mm roto  MB3710M
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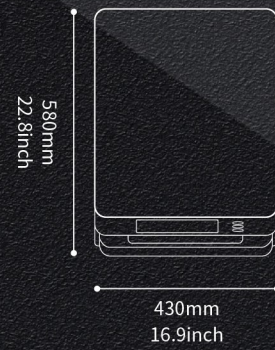
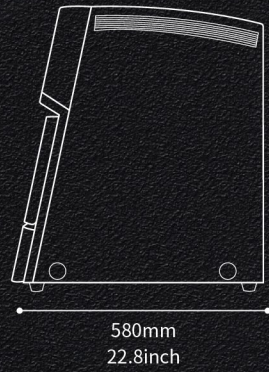
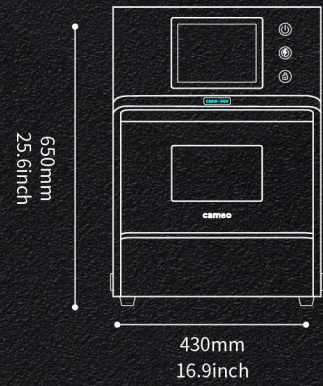
PMMA

T1 2.0/4.0 mm roto  MB3709P	T2 1.0/4.0 mm roto  MB3707P	T3 0.6/4.0 mm roto  MB3706P	T4 0.3/4.0 mm roto  MB3705P
T6 1.5/4.0 mm flat  MB3708P			

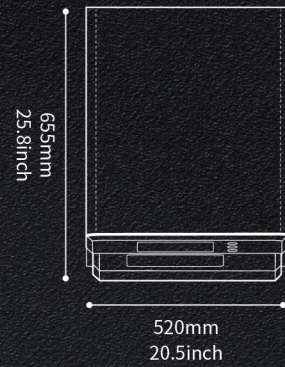
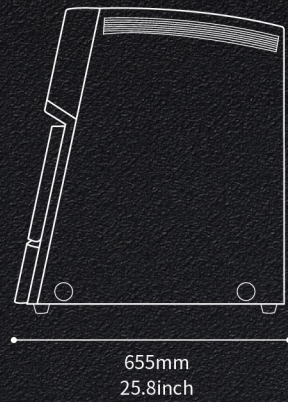
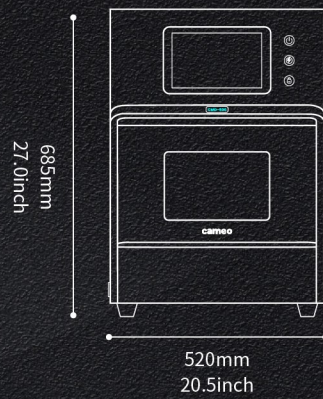



 **CMW-400&CMD-500**
Dimensions

CMW-400



CMD-500



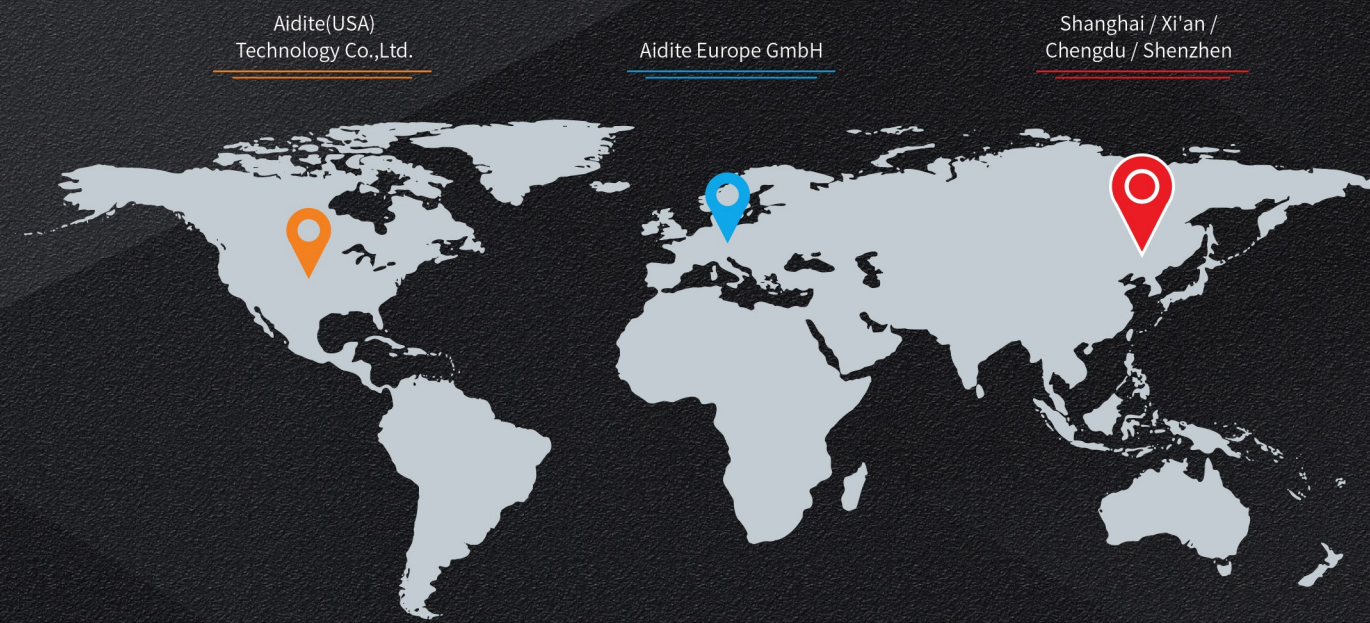


CMW-400&CMD-500 Specific parameters

	CMW-400	CMD-500
Basic construction	aluminium	aluminium
Number of axes / operation type	4 axes simultaneous processing	5 axes simultaneous processing
Rotation angle	A-axis 360°	A-axis 360° / B-axis +30, -120°
Spindle / power	high-frequency spindle / 0.45 kW	high-frequency spindle / 0.45 kW
Maximum spindle speed	80000 rpm	60000 rpm
Tools	4 mm shaft diameter	4 mm shaft diameter
Tool changer	6-fold*3(glass ceramic/ premill abutment/ PMMA)	8-fold
Tool length control	≤ 0.002 mm precision	≤ 0.002 mm precision
Monitor	integrated 8.1" touch screen	integrated 10.1" touch screen
Illumination	3 LED status colors	3 LED status colors
CAM software	Hyperdent/ Millbox	Hyperdent/ Millbox
Air pressure	0.6MPa	0.6MPa
Cooling system	air-cooling	air-cooling
Connecting requirements		
Weight	80kg	120kg
Width x depth x height	430*580*650	520*655*685
Line voltage / frequency	1PH AC 100-240V	1PH AC 100-240V



After-sales service



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Technology Co.,Ltd.

Aidite Europe GmbH

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Chengdu / Shenzhen

China headquarters remote service
Local services in the United States, South Korea, Australia,
Europe, Saudi Arabia and India

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