

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		✓



cameo
CMD-500



cameo
CMW-400



Cameo chairside system

IOS



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

CAD

exocad

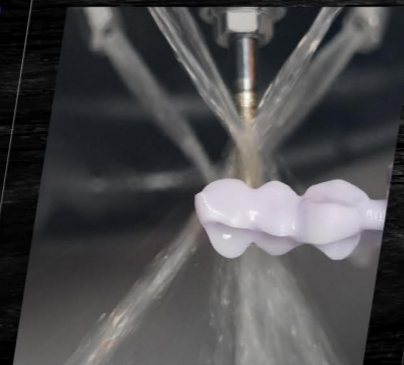
Exocad ChairsideCAD



CAM



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



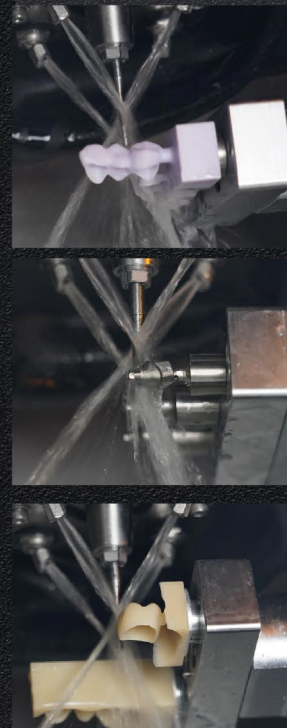
Temporary crown/
bridge



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.



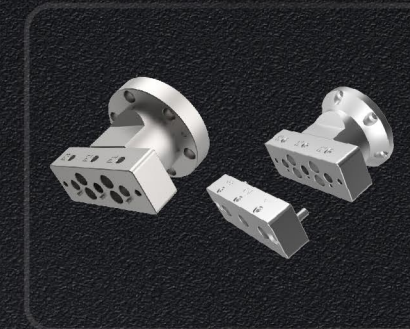
Security lock. Tool life detection. Milling fluid detection.



Integrated water tank.



- Glass Ceramic
- Premilled abutment
- PMMA
- Composite

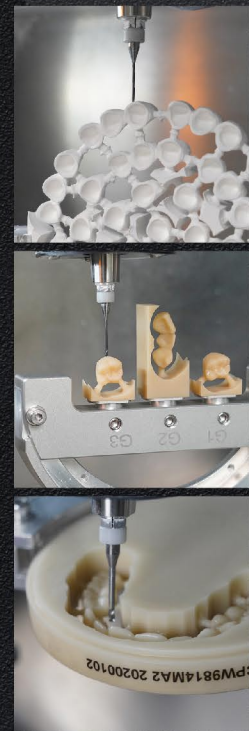




Cameo CMD-500 THE INTELLIGENT CHAIRSIDE Dry MILLING SOLUTION

The new Cameo CMD-500 is the perfect choice for wet 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.



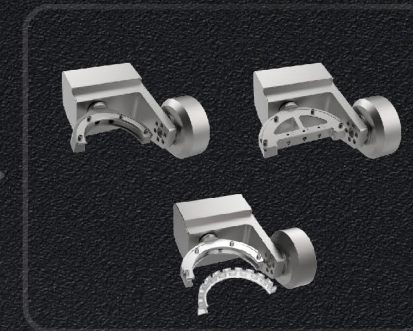
Lonizer equipped for easy cleaning.
Smart tool replacement.



Security lock.
Tool life detection.



- Zirconia
- PMMA
- Wax
- Composite



Veneer



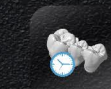
Inlay, Onlay



Crown, Bridge
(≤14units)




Denture



Temporary crown/
bridge



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

Block holder for CMW-400

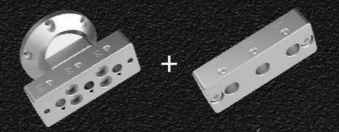
- 3 positions, suitable for glass-ceramic and PMMA block
- Glass-ceramic size I12/C14/C16/B32/B40 available
- PMMA size 18*13*15/20*15*14/20*15*19/40*15*14/40*15*19/55*15.5*19 available
- Only P1 and P3 stations can be installed when the width of the processed material exceeds 16mm.



/ 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)

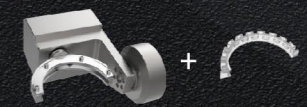
- Enables 5-axis milling up to 90 degrees axis adjustment
- Maximum material thickness 35mm



/ CMD-500

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

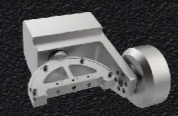
- Enables 5-axis milling up to 90 degrees axis adjustment
- Higher material nesting utilization
- Easy repeat loading alignment



/ 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

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

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

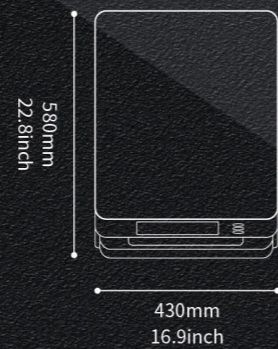
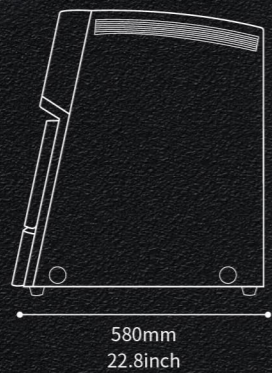
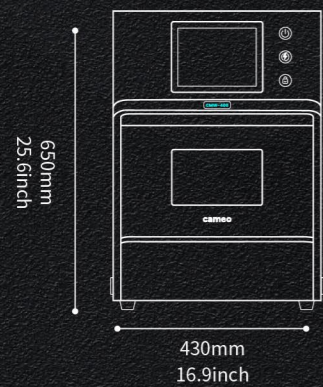
MB3705P

T6 1.5/4.0 mm
flat

MB3708P

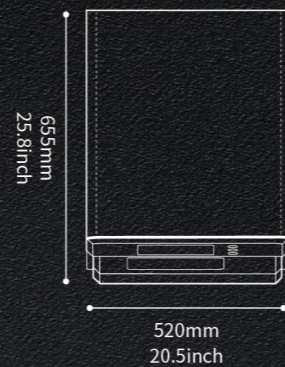
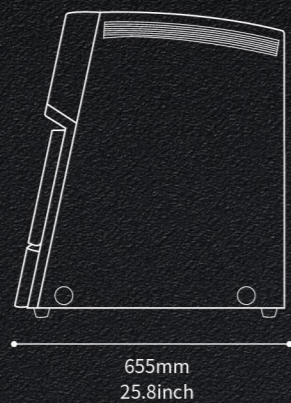
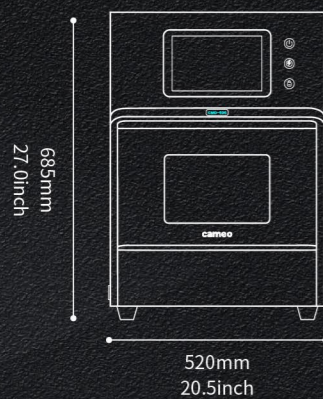


 **CMW-400&CMD-500**
Dimensions

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

AIDITE (USA)
TECHNOLOGY CO.,LTD

AIDITE (GERMANY)
TECHNOLOGY CO.,LTD

Shanghai / Xi'an /
Chengdu / Shenzhen



China headquarters remote service

Local services in the United States, South Korea, Australia,
Europe, Saudi Arabia and India

Aidite[®]

A

Aidite (Qinhuangdao) Technology Co.,Ltd.

Tel : 0086-335-8587898

Fax: 0086-335-8587198

Web: www.aidite.com

Email: info@aidite.com

CFDA ISO13485 CE0197 FDAK111291

America
Smiles



Dental Lab Network

AmericaSmiles Network
70 Towncenter Drive
University Park, IL 60484
708-746-5730
americasmiles.net