

cameo<sup>®</sup>



**CMW-400    CMD-500**

■ Make People Healthier and More Beautiful



Building Dental Ecosystem 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**


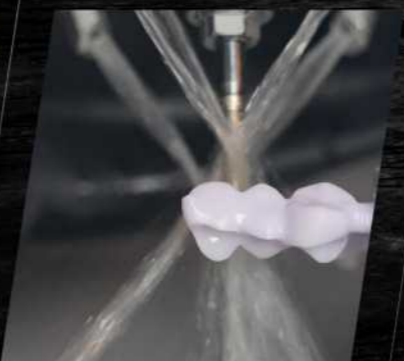
IOS

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

CAD

**exocad**  
 Exocad ChairsideCAD  


CAM

  
**hyperDENT**  
 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.



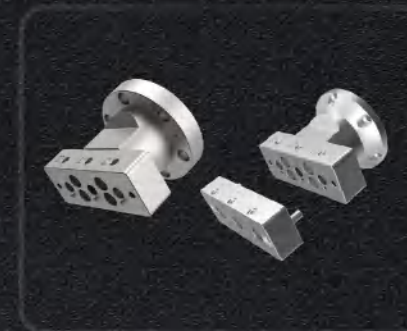
Security lock. Tool life detection. Milling fluid detection.



Integrated water tank.



- Glass Ceramic
- Premilled abutment
- PMMA
- Composite



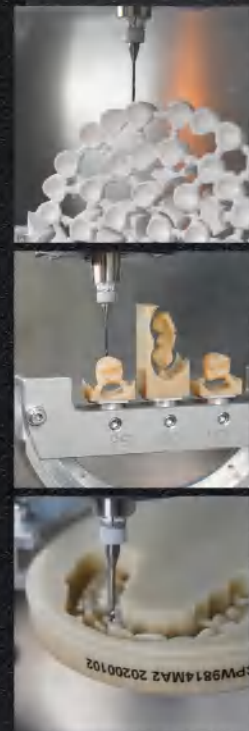
- Veneer
- Inlay, Onlay
- Crown, Bridge (<=3units)
- Abutment
- Temporary crown/bridge



## 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.



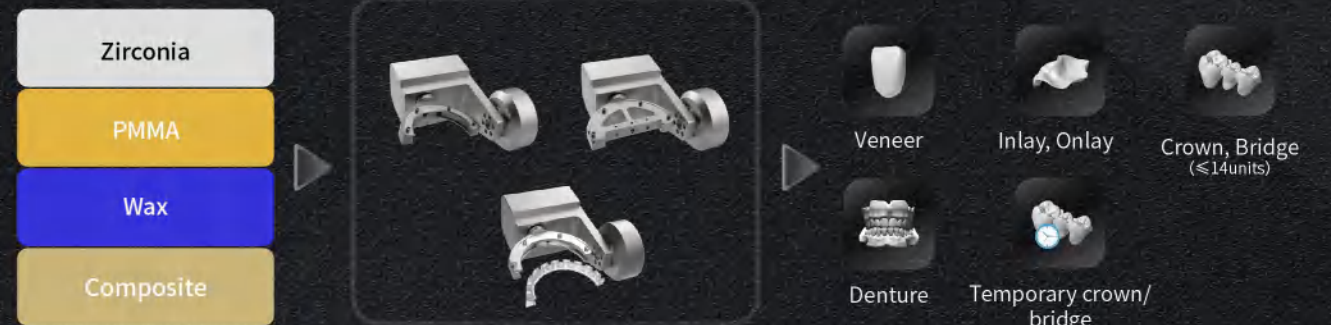
Optimized for the integrated CAD/CAM workflow with exocad.  
Fast processing of zirconia.  
C-type fixture achieving 90° vertical processing.




Ionizer 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 <sup>3</sup> /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

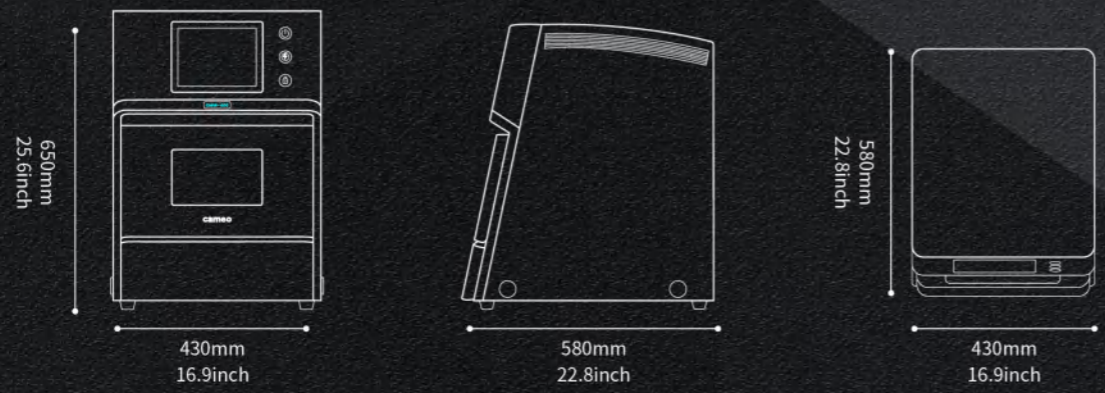
**T6 1.5/4.0 mm**  
flat  
  
MB3708P



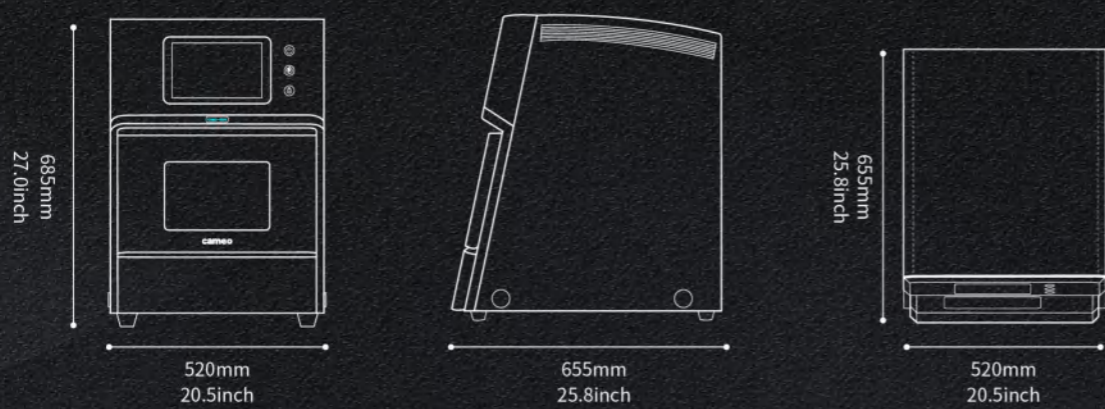



 **CMW-400&CMD-500**  
**Dimensions**

**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

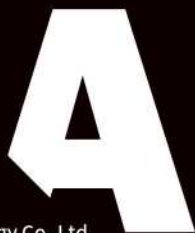


## After-sales service



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

**Aidite**<sup>®</sup>



Aidite (Qinhuangdao) Technology Co.,Ltd.

Tel : 0086-335-8587898

Fax: 0086-335-8587198

Web: [www.aidite.com](http://www.aidite.com)

Email: [info@aidite.com](mailto:info@aidite.com)

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