

5-Axis Milling System with Servo and Simultaneous Controller



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NEW World of CAD/CAM Dentistry Maunfacturing Company



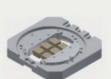






Disk jig

Possible to be equipped with a 98.5mm disk. Special-designed jig that can maintain high precision even after a long-time use due to its stable and durable features.



6P Glass multi jig

Possible to mill all kinds of glass ceramic regardless of the material and change disk jigs and block jigs without any difficulty.

Increase productivity through its simultaneous milling of 6 block cubes.



Premill multi jig

Possible to be equipped with 11 premill abutments all at a time and its simultaneous milling of 11 premill abutments can improve productivity for users.

Users can mill their desired premill abutments as a variety of premill abutments are available.























Range of applications



Copings













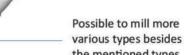












Milling type

Full contour

Full contour

Full contour crowns with

Onlay

Models

Glued-based abutments

Full contour zirconia abutments

Screw-retained bridges

Attachments

Abutments

various types besides the mentioned types.























Lithium disilicate







Glass ceramic (Custom abutment)

Material type



Resin ceramics

https://stomshop.pro



Fulfilling high quality end products

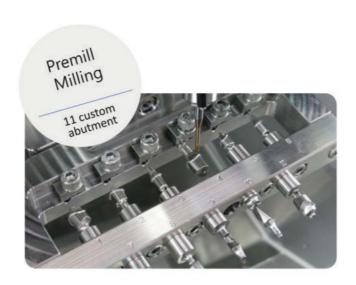
Developed based on our own technical expertise over many years.

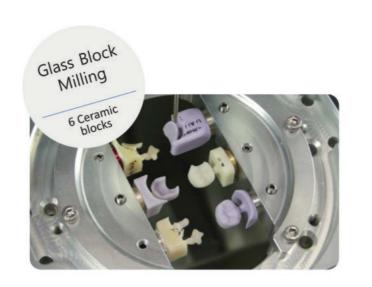
Users can operate easily the complicated processes that are necessary in every process.















DENTAL PLUS

RS5 milling machine

RS5 dedicated table





The design of the dust collector may be modified for upgrading its performance.

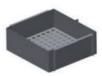


Jig





Wet and Dry Accessories







Dry milling dust box



Coolant tank

Accessories



Vernier Calipers

3mm Wrench Set Wrench Driver

Chuck

Cleaning Brush



4mm

Wrench Driver





Pump

Signal Cable





Dust Collector Signal Cable

110V to 220V

Provide only for countries using 110V.



Milling Room

Cleaning Brush



Power Cable

Chuck Remover



Water Valve

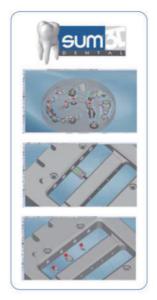


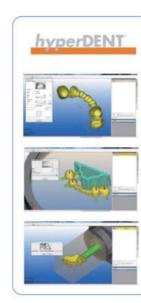


- Cutting Oil Filter Mouse - Redundancy Bolts Keyboard - Etc.

CAM Software included for RS5







Users can choose the CAM software and are provided the CAM software plus the milling strategy with RS5.



Setup Kit (Sold separately)

Disk

Chrome Cobalt 1ea Sintering Metal 1ea Zirconium 1ea **PMMA** 1ea WAX 2ea

Lithium disilicate 3ea Premill abutment 3ea

Endmill for Metal

Ball - Ø3mm, Ø2mm, Ø1.5mm, Ø1mm 1ea on each Flat - Ø1.5mm, Ø1mm, Ø0.5mm 1ea on each Flat round - Ø1.5mm, Ø1mm 1ea on each

Ball endmill for Soft material

Ø2.5mm, Ø2mm, Ø1mm, Ø0.6mm 1ea on each

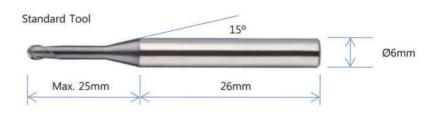
Ball endmill for Glass ceramic

Ø2.5mm, Ø2mm, Ø1mm, Ø0.6mm 1ea on each

Tools

Soft Material	Ball End Mill	Ball End Mill Ø1	Ball End Mill
Milling	Ø2		Ø0.6

Hybrid	Ceramic I-Resin ling	Diamond Bur Ø2.5	Diamond Bur Ø2	Diamond Bur Ø1
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Metal Milling Ball End Mill Flat

Possible to support for using more various tools besides the above tools depending on the milling types.

The design of the accessories may be modified for upgrading its performance.



[Easy-to-use Interface]





Plus Mill RS5 can be used for everyone without difficulty through its touch screen and easy-to-use interface.

Simple conversion for wet and dry by touching the screen. Online checking is possible with our online technical support.



Machine calibration



On / Out list of sensors and machine coordinates



Premill calibration (Custom abutment)



G-Code view



Cleaning positions



Axis jog

NC Data

[NC Data Transmission method]



- USB Wireless LAN (Wi-Fi)
- USB Memory





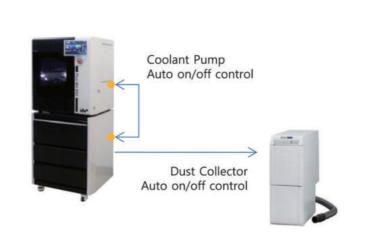
[Online technical support method]

- USB Wireless LAN (Wi-Fi)

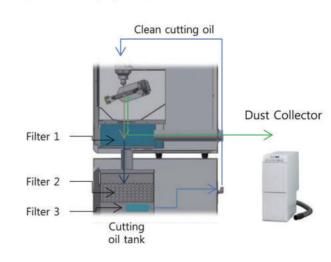
Online technical support is possible by checking and controlling the machine through the internet.

Design

[External device control]



[Wet and Dry system]



Open system

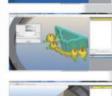
CAD Software & Scanner

Users can choose CAM software and will be provided CAM software plus the milling strategy with RS5.









hyperDENT





dental wings

зshape▷

exocad





RS5 is compatible with all dental scanners and CAD Software as it is an open system.

CAM Software

Plus Mill RS5 milling machine





Inside



[Harmonic Drive]

Realize the precise angle of A and B axes and support stiffness by using the high-end precision reducer of harmonic drive.



[LM Guide]

Support for making the processed products that are suitable for metal milling by using the high-stiffness and high-precision guide.

More durable and resistant to moisture due to

the corrosion protection coating.



[Ball Screws]

Realize the position precision of below 5 μ by using the high-stiffness and high-precision ball



[Servo System]

Use 200W servo motors in all axes.



[Built-In Computer]

Equipped with a control PC and no need for a separate computer.



[Air Regulator & Separator]

Maintain the compressed air for necessary

Filter the contaminated compressed air and supply the air to the machine to protect the spindle and internal devices.























Product name	Plus Mill RS5	
Machine Dimension W x D x H (mm)	696 x 647 x 800	
Machine Weight	145kg	
able W x D x H (mm)	696 x 647 x 854	
able Weight	115 kg	
lumber of Axes	5 axes	
ccuracy	$\pm 5 \mu m$	
Notor Type	200W servo motor 5 axis	
pindle Speed (rpm)	Max. 70,000	
pindle Power	1.2Kw	
TC Number of Tools	24	
oltage	210~250V / 160W / 2.5A	
Minimum Air Pressure	Min. 0.5 bar	
emote Maintenance	Application	
utomatic Tool Length Measurement with oken tool detection	Application	
iltering Step	3 steps	
oolant Tank Capacity	20ℓ	
nternet	Application	
ouch Screen Control	Application	
isk and Multi Jig – Changeable	Application	
/et Process	Application	
ater Pump Control	Application	
ry Process	Application	
ust Collector	Application	
utside Dust Collector Vacuum Control	Application	