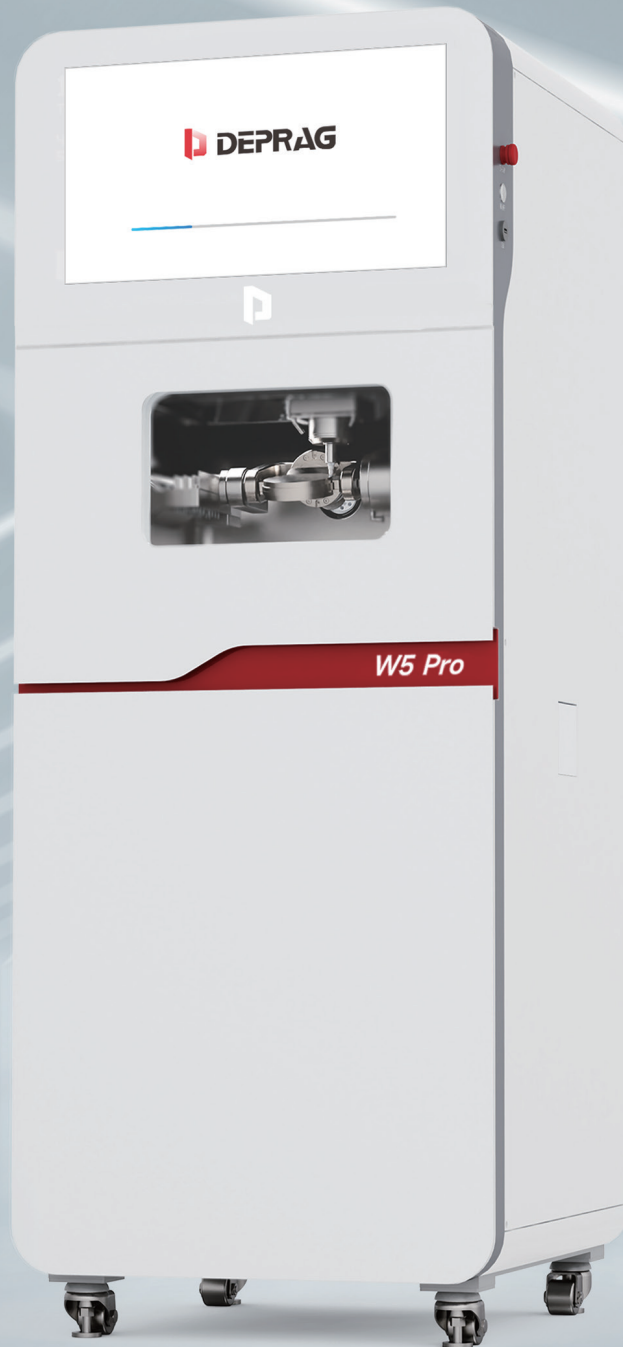


The milling master!

W5 Pro

The floor-standing type 5-axis milling machine
for dry and wet machining



• Self-calibration

• Large spindle and high rigidity

24
Tools

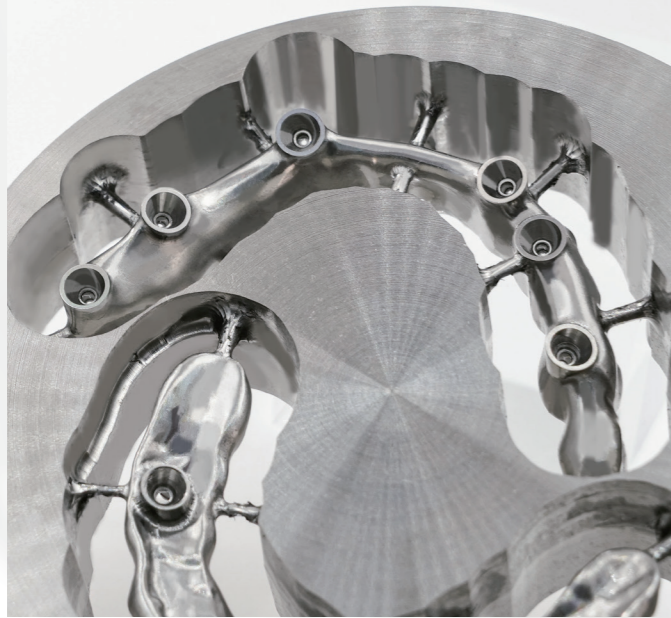
1
Discs

4
Pre-milled

8
Blocks

Zero point quick change

Highlights!

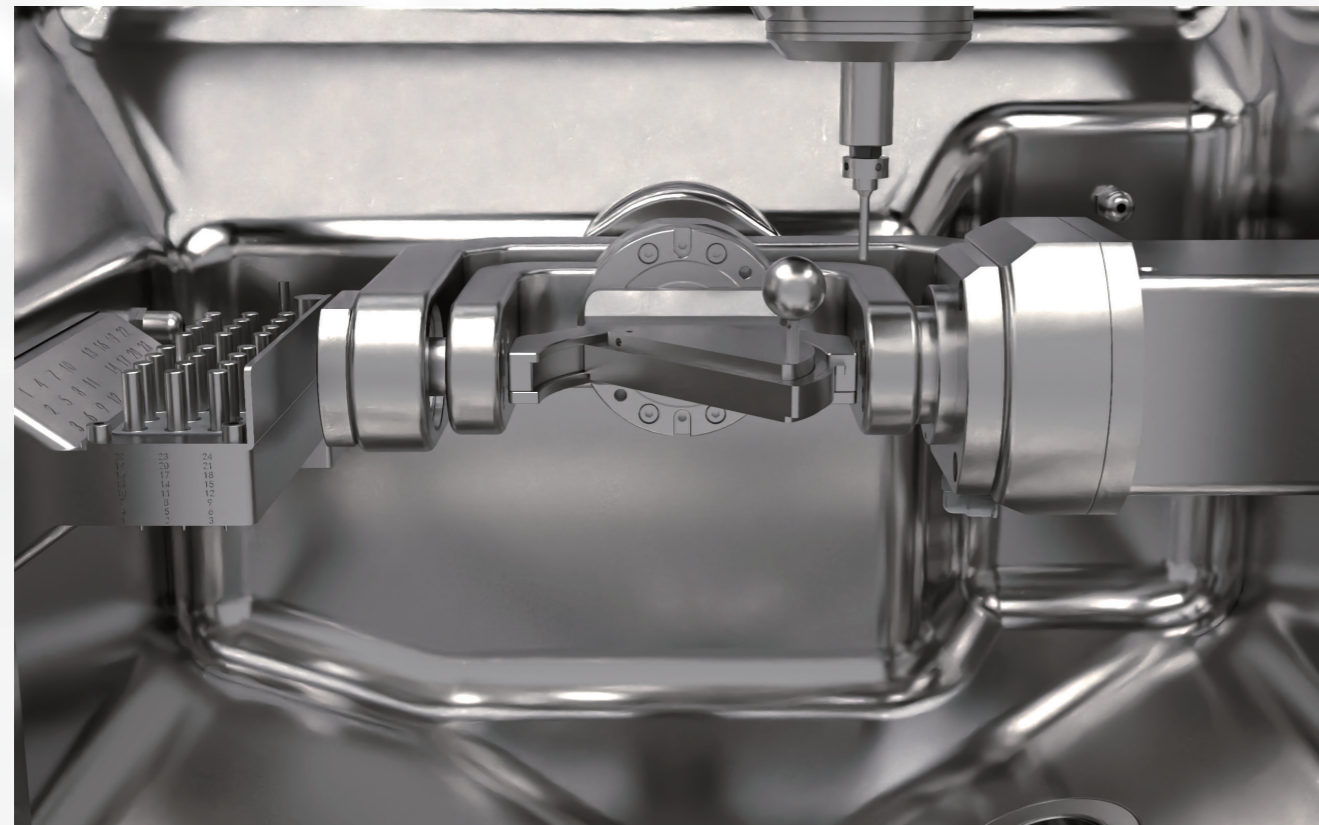


Professional milling: Stable value contribution

W5 Pro has been continuously tested and optimized in the processing of various materials, and can easily complete various indications to meet all your business needs.

Good milling result

W5 Pro has a powerful spindle, a solid frame and precise transmission; their cooperation ensures excellent milling results and restores the design details.



Self-calibration & zero-point quick change: fast and stable value creation

Automatic calibration allows the equipment to undergo built-in calibration every time it is processed, ensuring milling accuracy. Zero-point quick change makes the replacement of milling materials faster and more stable, saving time. W5 Pro is a trustworthy device that creates value faster while ensuring the effect.

More features! More advantages!

High accuracy

- C5 grade high precision ball screw and P grade guide rail.
- High resolution encoder servo control system.
- 5 μm repetition accuracy.
- Ball bearing made of hybrid ceramic for the highest concentricity $< 3\mu\text{m}$.
- Zero point quick change accuracy $\leq 5\mu\text{m}$.

Stable

- 2.5kw $\Phi 62\text{mm}$ spindle.
- Floor-mounted integrated casting is stronger and more stable.
- Stainless steel A B axis Support, strong intensity.
- Professional water-cooled spindle, longer life.
- Titanium column auto-calibration
- Glass-ceramic auto-calibration.

Maximum variety

- Large rotation angle, A axis $\pm 360^\circ$, B axis $\pm 30^\circ$.
- C-CLAMP holder suitable for processing $\varnothing 98 \times 35\text{mm}$ (max) zirconia discs, resin discs, titanium discs...and support 90° milling
- 8-position block holder suitable for glass ceramic.
- 4-position premill abutment holder with reverse clamping capability to avoid machining and grinding of titanium premill blanks.

Smart

- Windows10 operating system.
- Wifi file transfer.
- Built-in camera for real-time monitoring.

Easy to operate, upgraded functions

- Secondary filtration system.
- The observation window is easy to maintain.
- Dry-wet conversion and separation are easier, pipeline separation.
- Smart safety lock for the equipment.



Details! 100% understanding of the W5 Pro

✓ Powerful Spindle

*2.5kW \varnothing 62mm *Torque 0.48Nm
Water cooling



✓ Automatic Tool Magazine

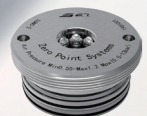
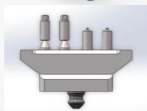
24 tools
Monitoring of tool wear length and breakage

✓ 3 holders

Available for discs/blocks/pre-milled blanks



*Support reverse clamping, less grinding.



Zero point clamp,
complete replacement in 2 seconds.

✓ Floor-standing movable body



✓ Appearance

HD display (Win10 system UI)
All-glass material on front

✓ Self-calibrating No manual intervention required.

✓ Built-in camera



✓ Dry and wet pipe separation



Machinable materials

Zirconia	Glass ceramics	Plastics Wax	Composites
Pre-milled Blank	Titanium	Cocr	

Applications

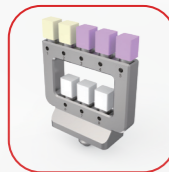
Crown Bridge	Inlays Onlays	Abutments	Telescopic crown
Model cast	Occlusal splint	Implant bar	Model tooth die
Veneer	Surgical guide	Denture	Screw-retained bridge
Secondary crown	Protrusion splint		

Holder Types



Half-open blank holder(C-CLAMP)

- Standard
- Suitable for processing $\phi 98\text{mm}$ zirconia discs, resin discs, titanium discs, etc
- Enables 5-axis milling up to 90° axis adjustment
- Maximum material thickness 35mm



Block holder

- Standard
- 8 positions, suitable for blocks of glass ceramics, resin and zirconia
- Glass-ceramic block size I13/C14/C16/B32/B40 available
- PMMA and zirconia block Size
18*13*15/20*15*14/20*15*19/40*15*14/40*15*19/55*15.5*19 available



Premill Abutment holder

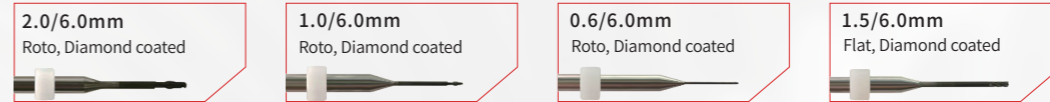
- Standard
- 4 positions, Suitable for pre-milled blank
- Integrated systems Arum, Geo, Medentika
- A variety of clamping methods can greatly improve efficiency and quality

Milling Burs

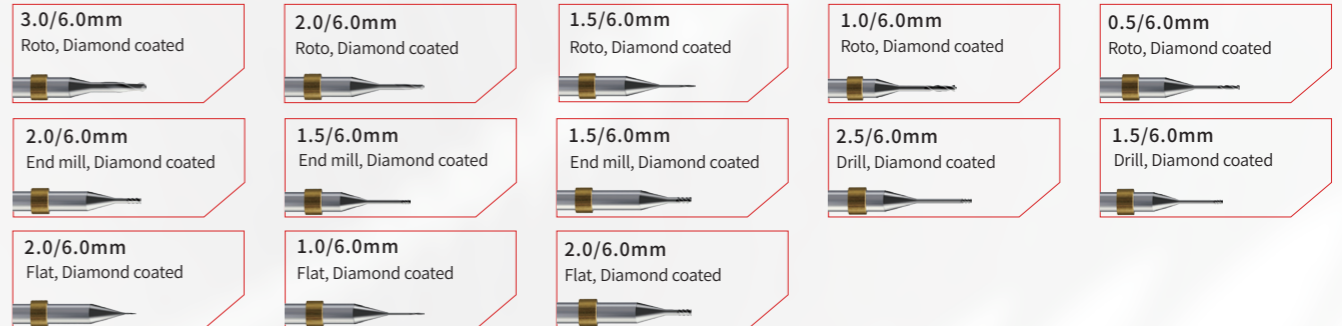
Zirconia milling burs



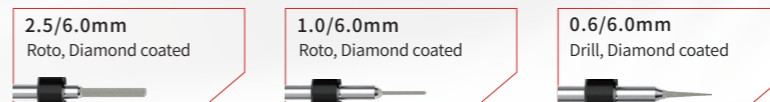
Resin milling burs



Titanium milling burs



Glass ceramic milling burs



Vacuum Cleaner (Optional)

Parameters	
Power	360W(220V~50/60HZ)
Size	260mmx420mmx450mm
Capacity	3.6L



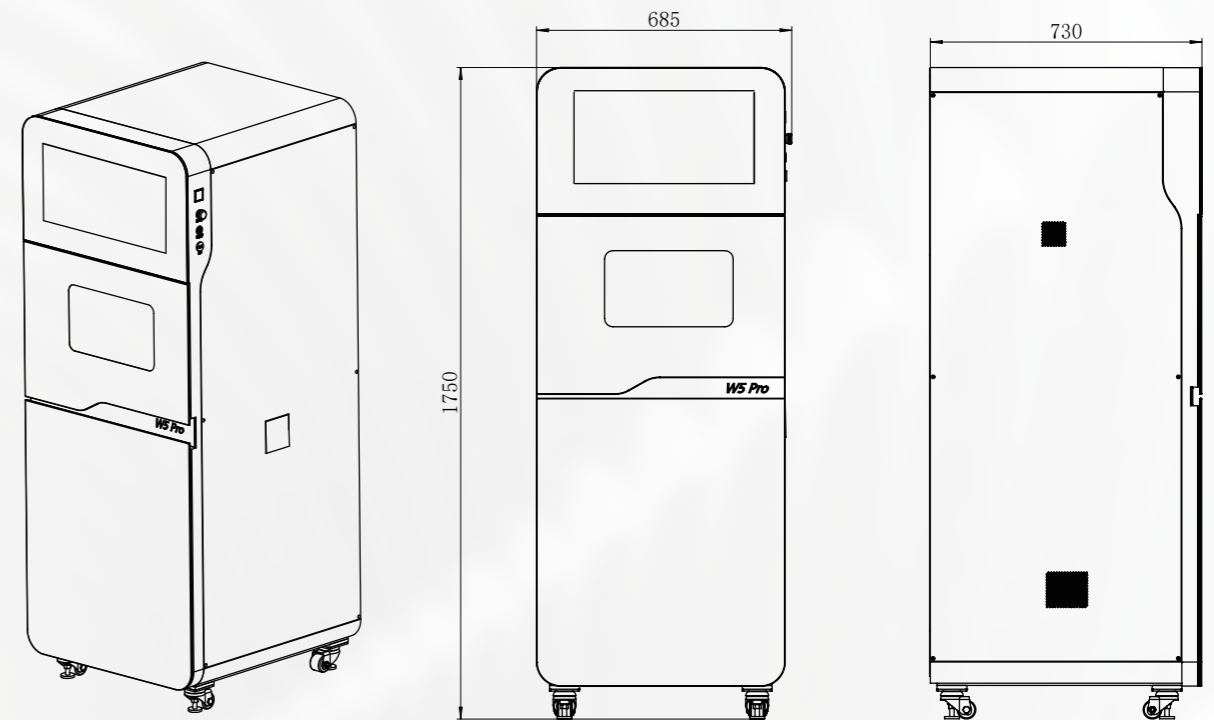
Wet and dry conversion (Optional)

Parameters	
Size	335mmx225mmx350mm
Capacity	30L



Equipment parameters

General	
Processing mode	Dry&Wet
Millable material	Zirconia, Glass ceramics, Plastics Wax, Composite, Premill, Titanium, CoCr
Applications	Crown Bridge, Veneer, Inlay Onlay, Abutment, Denture, Screw-retained bridge, Model cast, Occlusal splint, Surgical guide, Implant bar
Dimension	685 × 730 × 1750mm
Weight	300 kg
Power	220V/3.5kW
Air supply pressure	>0.5 MPa
Air flow	>100 L/min
Structure parameters	
Basic construction	Aluminium
Number of axes	5
X-axis working stroke	220mm
Y-axis working stroke	145mm
Z1-axis working stroke	130mm
Rotary axis A-axis	0~360°
Rotary axis B-axis	-30°~+30°
Tools-positions	24
Tool setting accuracy	0.01mm
Maximum feed speed	4000mm/min
Maximum idle speed	8000mm/min
Spindle	
Speed	10,000~60,000 rpm/min
Power	2.5kW
Collet	Φ6 mm
Cooling method	Water cooling
Scope of delivery	
CAM Software	Millbox / Hyperdent / WorkNC available
Clamps	Half-open blank holder(C-CLAMP)
	Block holder
	Premill Abutment holder



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