



D5 Air Free

No compressed air required
Five-axis dry milling machine

5
Axes

10
Tools

0
Air

6
Blocks

1
Discs



5-axis
machining



No compressed
air required



German
spindle



90°
vertical machining



Auto
calibration



Modular
integrated



A new plug-and-play experience simplifies your work!

D5 Air Free: No Compressor, No Noise, No Problem

Say goodbye to traditional noisy external air compressors and require complicated setup. The D5 Air Free is a powerful yet easy-to-use milling machine. Just plug it in, and it's ready to use right away. It operates quietly and can be easily moved wherever needed. It's the perfect choice for clinics and labs that demand convenience, quiet operation, and flexibility.

The Smartest machine—That Anyone Can Use

The D5 Air Free is designed for ease of use, featuring user-friendly software and a Win 10 system paired with a large 19.5-inch screen for a brand new user experience. Our professional team is here to guide you through the entire process of setup, nesting, and milling. Enjoy a worry-free purchase and effortless operation with DEPRAG.



Processing mode	Dry
Millable material	Zirconia, PMMA, PEEK, Wax, Composite resin
Basic construction	Aluminium
Tool	10 (Removable tool magazine)

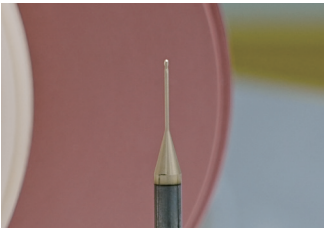
Number of axes	5
Spindle power	S1 450W / Max 800W
Spindle collet	φ4mm
CAM Software Adaptation	Millbox / Hyperdent / WorkNC available

New Technical highlights, start experiencing!



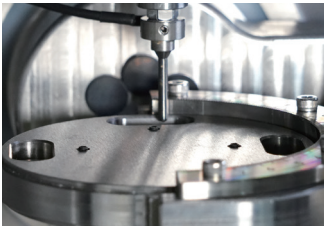
High-quality German spindles

- ✓ German top brand: ► SycoTec
- ✓ Continuous high-precision machining;



Ultra-fine engraving

- ✓ \varnothing 0.3mm ultra-fine tools
- ✓ 90° vertical processing;



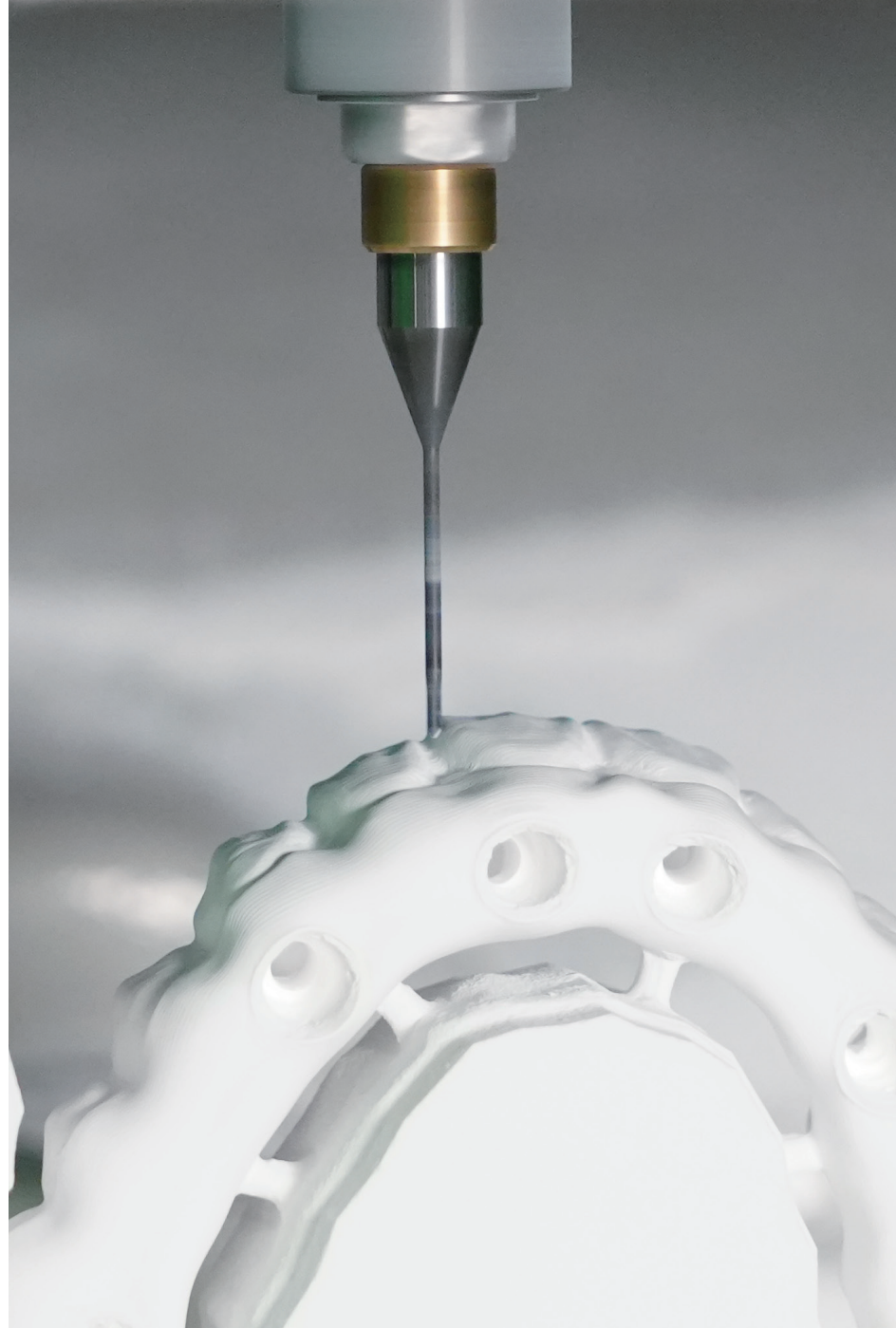
Built-in automatic calibration

- ✓ No external wiring required;
- ✓ Ultra-high precision

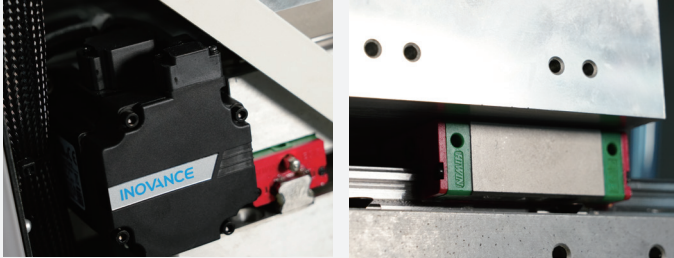


Easy-to-use operating system

- ✓ True wireless remote function: control device/transfer files
- ✓ Win10 system
- ✓ Guided access, extremely low learning cost

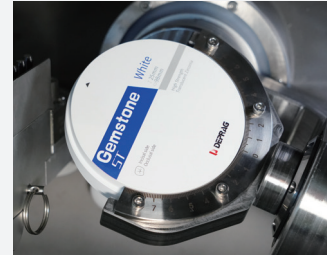


Key Features at a Glance



High accuracy

- ✓ C5 grade high precision ball screw.
- ✓ P grade guide rail: **HIWIN**.
- ✓ High resolution servo control system: **INOVANCE**
- ✓ 5 μ m repetition accuracy.
- ✓ Hybrid ceramic ball bearings (<3 μ m concentricity).




Flexible Multi-Indication Processing

- ✓ 90° vertical processing for denture.
- ✓ Pre-calibrated fixture scales for indication-specific setups.
- ✓ Automatic calibration, no need for too much operation.



Stable Output Quality

- ✓ The spindle comes from Germany and has good stability. 
- ✓ Integrated rigid structure, giving the equipment durable characteristics.
- ✓ The key components are from international brands, quality assurance.













Handy to use

- ✓ 19.5-inch large screen, simple and easy to operate.
- ✓ Remote monitoring system, quickly build unattended laboratory.
- ✓ 10 tools automatic change, uninterrupted machining.

Various materials and indications


Zirconia	PMMA	PEEK	Wax	Composite resin
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Crown/Bridge 	Veneer 	Inlays/Onlays 	Abutments 	Denture 
Model cast 	Occlusal splint 	Screw-retained bridge 	Surgical guide 	



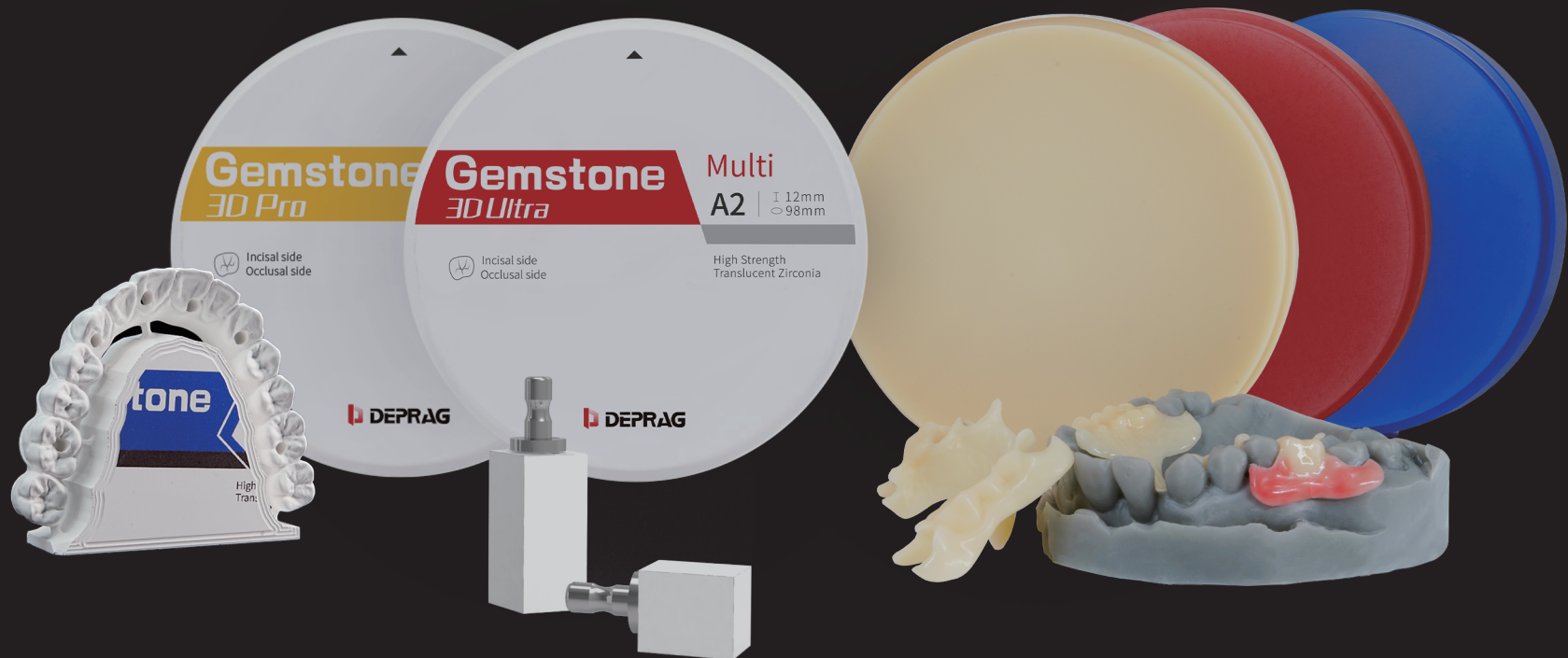
Half-open blank holder(C-CLAMP)

- Suitable for processing $\varnothing 98\text{mm}$ discs
- Enables 5-axis milling up to 90° axis adjustment
- Maximum material thickness 35mm



Block holder

- 6 processing positions
- Applicable to block materials: zirconia, composite resins, PMMA



Tools

Zirconia milling burs

T1 2.0/4.0mm
Roto, Diamond coated



T2 1.0/4.0mm
Roto, Diamond coated



T3 0.6/4.0mm
Roto, Diamond coated



T4 1.5/4.0mm
Flat, Diamond coated



T5 0.3/4.0mm
Roto, Diamond coated



Resin milling burs

T6 2.0/4.0mm
Roto, Diamond coated



T7 1.0/4.0mm
Roto, Diamond coated



T8 0.6/4.0mm
Roto, Diamond coated



T9 1.5/4.0mm
Flat, Diamond coated



T10 0.3/4.0mm
Flat, Diamond coated



Vacuum Cleaner (Optional)



- ✓ Quiet, sound noise in 55-65 dB.
- ✓ Endless variable speed brushless motor, long service life, running time of more than 20,000 hours.
- ✓ Super suction, maximum wind speed up to 28m/s.

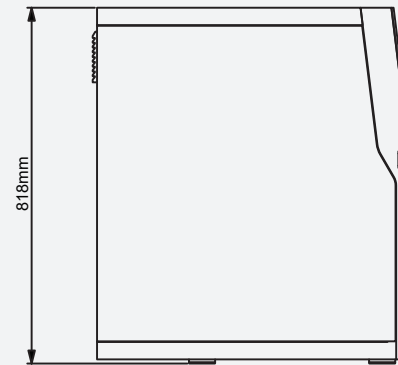
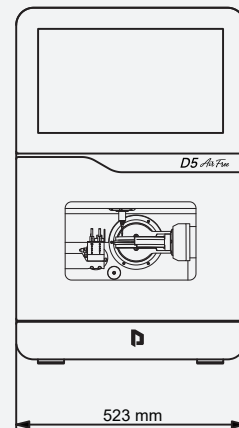
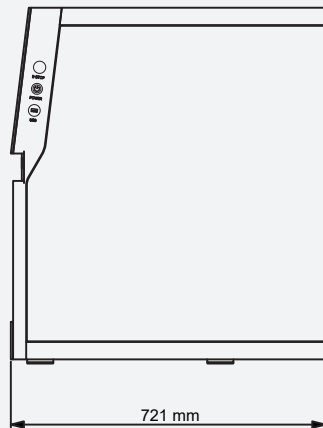
Model	V9
Power	220V 150W
Weight	15kg
Flow rate	197.9 m ³ /h
Size	410×250×420mm
Recommended number of connected milling machine	1 pcs

Technical Parameters

General	
Processing mode	Dry
Millable material	Zirconia, PMMA, Wax, PEEK, Composite
Applications	Crown Bridge, Veneer, Inlay Onlay, Abutment, Denture, Screw-retained bridge, Model cast, Surgical guide
Power	220V/1.8kW
Dimension	523 × 718 × 820 mm
Weight	130 kg

Structure parameters	
Basic construction	Aluminium
Number of axes	5
Rotary axis A-axis	360°
Rotary axis B-axis	-30°~+90°
Tool	10

Spindle	
Speed	60,000 rpm
Power	S1 450W/ MAX 800W
Positioning/Repositioning accuracy	0.01/ 0.005 mm
Collet	Φ4 mm



ABOUT US

DEPRAG is a global dental technology enterprise specializing in digital dental materials, smart devices, and cloud-based services, with comprehensive coverage across restorative, orthodontic, and implant dentistry. Through material science innovation and digital ecosystem development, the company is driving the transformation of dental care from traditional experience-driven practices to a digitally-driven model.

Zhengzhou

- Headquarters
- Dental Materials and Software R&D Center
- Marketing Center
- Dental Lab

Shenzhen

- Dental Equipment R&D, Manufacturing and Training Center
- Product Display Center

Anyang

- Dental Materials Manufacturing Center



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Machines



Watch the video

Materials



Watch the video