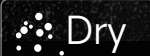




THE ORIGIN OF THE SUPER-INTELLIGENT,
SUPER-AUTOMATIC BLACK-LIGHT FACTORY

D5 Max

Five-axis dry milling machine
with 8-disc changer



5

Axes

1.8kW

Spindle

10

Tools

8

Disc

90°

Milling



5-axis
machining



Auto
calibration



8 disc with zero
point quick change



19.5 inch screen
Win 10 system



Ionizer(opt)



Modular
integrated



The ultimate solution for dry milling

AUTOMATIC, INTELLIGENT, AND AGILE STARTING PARTS

The fully automatic technology of D5 Max takes "profit growth engine" as the core design logic, and reconstructs the profit model of dental laboratories through full-link automation technology:

With the dual technologies of disc replacement automation and human-machine control automation, a single device can reduce 30%-50% of the operating manpower input, and the cost structure optimization directly translates into a significant increase in net profit.

The unmanned operation mode realizes 24-hour continuous operation, the processing cycle is shortened by more than 40% compared with traditional equipment, the daily production capacity is nearly doubled, and the capacity utilization rate is greatly improved, injecting strong momentum into profit growth.

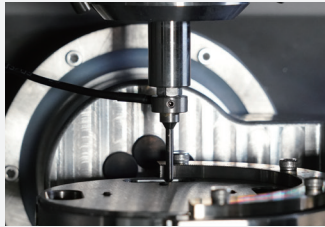
The automation system reduces the human error rate to below 0.3% through an intelligent error correction mechanism, reduces material loss and rework costs caused by processing errors, and reduces 3%-5% of loss expenditure. At the same time, the order delivery qualification rate has increased to 99.7%, and the word-of-mouth effect has driven 15%-20% of new customers to convert, forming a sustainable profit growth cycle.

Processing mode	Dry
Millable material	Zirconia, PMMA, PEEK, Wax
Basic construction	Aluminium
Number of axes	5
Tool	10 (Removable tool magazine)
Spindle power	1.8kW
Spindle collet	φ6mm
Spindle cooling method	Water cooling
CAM Software Adaptation	Millbox / Hyperdent available



Invincible in the same level.

TECHNICAL HIGHLIGHTS,
START EXPERIENCING!



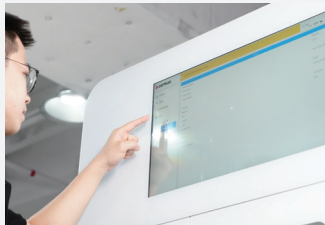
Built-in automatic calibration

- ✓ No external wiring required;
- ✓ Guided calibration;
- ✓ Ultra-high precision: 0.01mm;



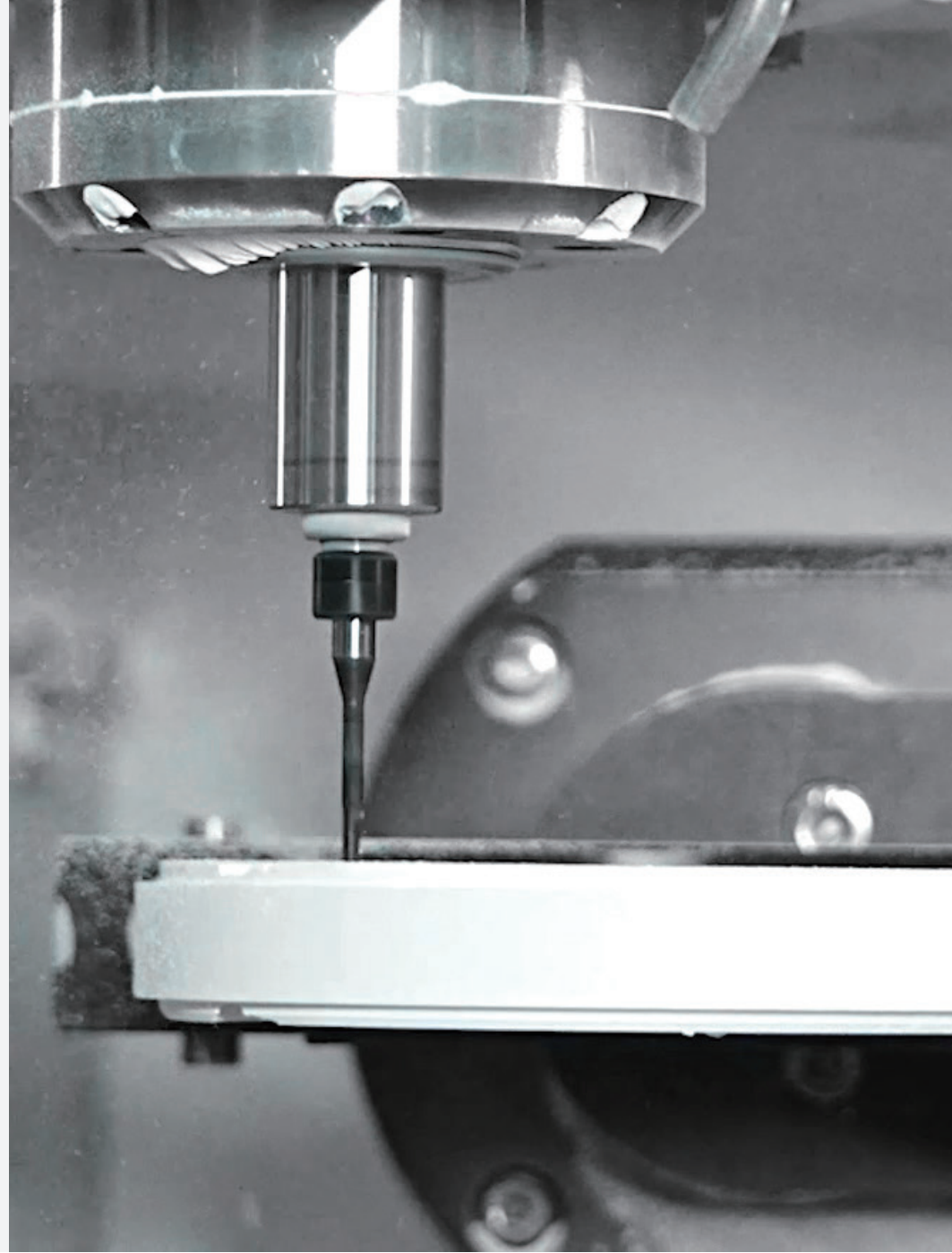
Unattended, uninterrupted milling

- ✓ RFID identification function;
- ✓ Zero-point quick change;
- ✓ 8 discs + two type holder;

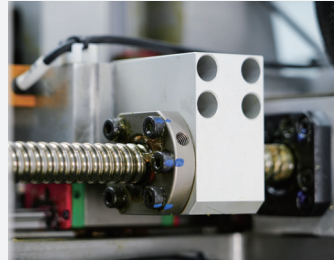
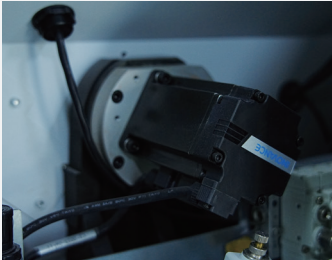


Easy-to-use operating system

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



Features at a glances



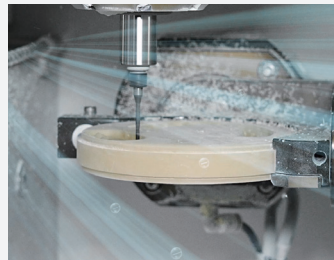
Precise effect presentation

- ✓ C5 grade high precision ball screw
- ✓ P grade guide rail
- ✓ High resolution servo control system
- ✓ 5 μ m repetition accuracy
- ✓ Ball bearing made of hybrid ceramic for the highest concentricity <3 μ m



Flexible handling of indications

- ✓ Calibrated fixture scale.
- ✓ Automatic calibration, reducing material waste by 15%.
- ✓ Two type holders, supports processing of blocks of various sizes and discs with a maximum thickness of 35mm.



Stable output of results

- ✓ 1.8kW / Φ 62mm powerful spindle
- ✓ Professional water-cooled, longer life
- ✓ Cast aluminum body for low vibration in operation
- ✓ An ionizer neutralizes the charge of plastic chips. (opt)



Smart Tool Management System

- ✓ Automatic Tool Change
- ✓ Removable tool magazine(opt)

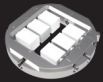
Various materials and indications

Zirconia	PMMA	PEEK	Wax	Composite
----------	------	------	-----	-----------



Half-open blank holder(C-CLAMP)

- Suitable for processing $\varnothing 98\text{mm}$ discs
- Maximum material thickness 35mm



Block holder

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

Crown/Bridge



Veneer



Inlays/Onlays



Abutments



Denture



Model cast



Occlusal splint



Screw-retained bridge



Surgical guide



Zirconia milling burs

T1 2.0/6.0mm
Roto, Diamond coated



T2 1.0/6.0mm
Roto, Diamond coated



T3 0.6/6.0mm
Roto, Diamond coated



T4 1.5/6.0mm
Flat, Diamond coated



T5 0.3/6.0mm
Roto, Diamond coated



Resin milling burs

T14 2.0/6.0mm
Roto, Diamond coated



T15 1.0/6.0mm
Roto, Diamond coated



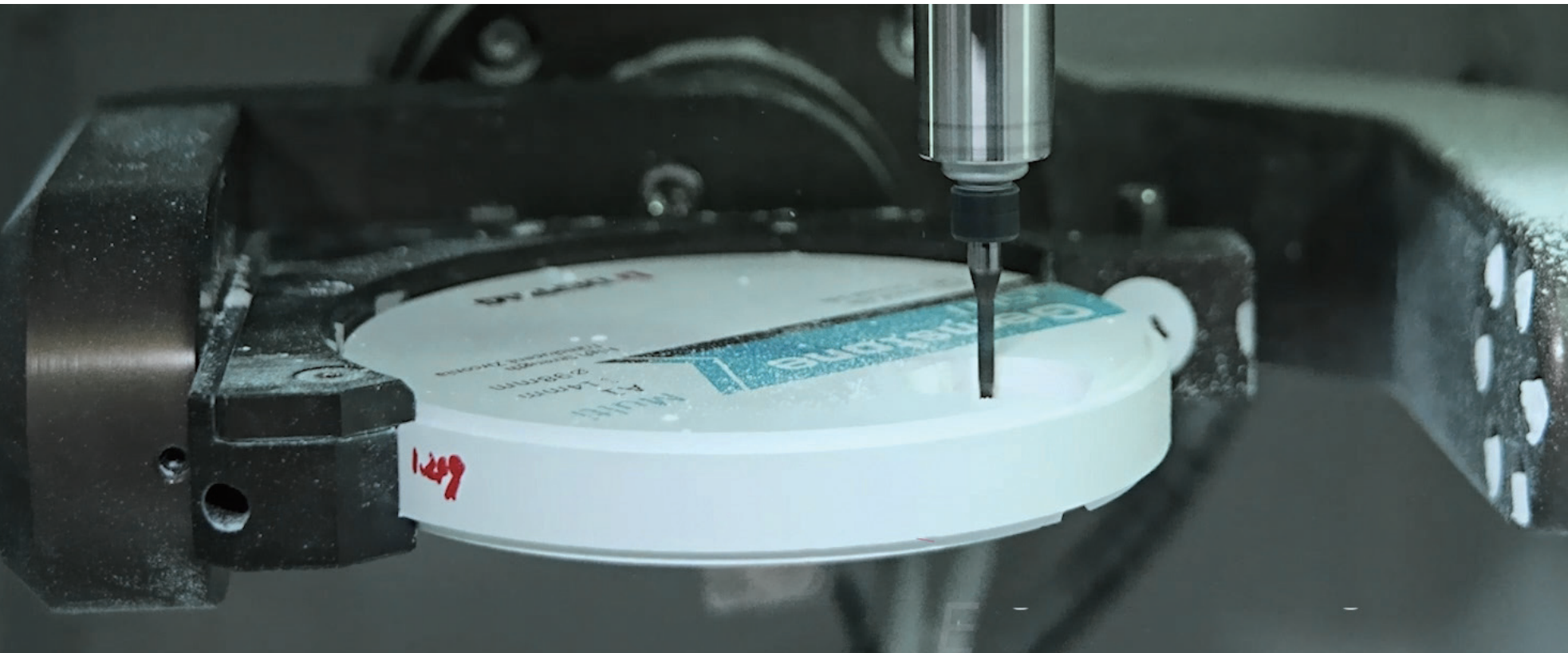
T16 0.6/6.0mm
Roto, Diamond coated



T17 1.5/6.0mm
Flat, Diamond coated

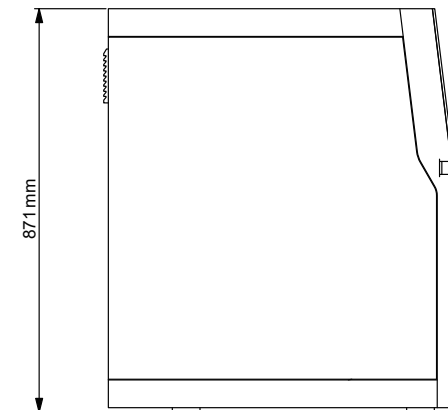
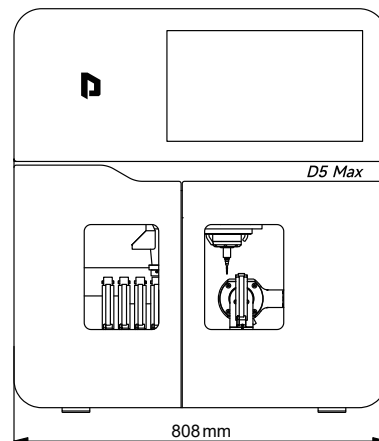
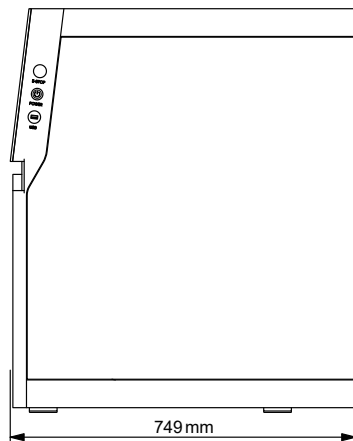


T18 5.0/6.0mm
Flat, Diamond coated



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/2.5kW	
Dimension	808 × 749 × 871 mm	
Weight	180 kg	
Air supply pressure	>0.5 MPa	
Air flow	>200 L/min	
Structure parameters		
Basic construction	Aluminium	
Number of axes	5	
Rotary axis A-axis	+30°~-30°	
Rotary axis B-axis	360°	
Tool	10	
Spindle		
Speed	60,000 rpm	
Power	1.8kW	
Positioning/Repositioning accuracy	0.01/ 0.005 mm	
Collet	Φ6 mm	
Cooling method	Water cooling	



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



DEPRAG (Zhengzhou) Dental Technology Co., Ltd.

Web: depragdental.com

Email: info@depragdental.com

Add: No.14, No.8 Floor, Building 7, No.289 West Third Ring Road, High-tech Industrial Development Zone, Zhengzhou City, Henan Province, China.

Machines



Watch the video

Materials



Watch the video