

2-year
Warranty



Dental Milling
Machine With
Automatic Disc Changer

D52-ADC

· Intelligent, Powerful, Unattended
24-Hour Milling For Labs

5

5 Axes

8

8 Discs

90°

90° Milling

10

10 Tools



Automatic teeth
removal



Remote
monitoring



Muti-machine
management



· Digital & Intelligent Zirconia Milling Solution

DEPRAG D52-ADC digital and intelligent dental milling machine is the best choice for building a digital lab. It adopts the development concept of high automation, which can help the lab to complete the processing of zirconia, resin and other materials.

With the trend of more and more preshade zirconia blocks being used in labs, the frequency of manual disc changing has been greatly increased. The D52-ADC is equipped with 8-slot automatic disc changer, which can greatly improve production efficiency and reduce labor costs. At the same time, the automatic disc changing function also realizes unattended milling at night, and realizes 24/7 milling. In addition, a series of automatic functions such as automatic tooth removal and automatic calibration can reduce the direct participation of personnel, standardize the production process, and ensure production stability.

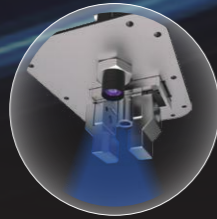


D52-ADC Features



· Remote monitoring system

Through the remote monitoring system, can remotely understand the operation in real time, control the equipment and view the equipment records.



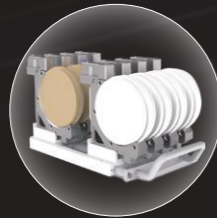
· RFID disc intelligent identification module

Using RFID radio frequency identification technology, it can automatically identify the disc information in real time



· Automatic changing tools module

Equipped with a 10-position tool magazine, which can load various types of burs, realize continuous processing of various dental materials without stopping processing.



· Automatic disc changer

Equipped with 8-slot automatic disc changer achieving 24/7 milling. Adopting servo-electric jaws and flexible mechanical structure of discs changing module.



· Automatic calibration module

After the calibration module is installed, the device can be automatically calibrated.



· Loniser module

Equipped with loniser, which automatically starts when processing resin materials to remove static electricity from debris.



· 5-Axis

5-Axis can achieve excellent milling effect and 90° vertical milling.



· Automatic tooth removal module

Can automatically cut off the connecting rod to realize automatic tooth removal.



Millable Material

Zirconia	PMMA/ Wax	Composites	Cocr
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Applications



Crown/ Bridge



Veneer



Inlays/Onlays



Abutments



Denture

Screw-retained
bridge

Model cast



Occlusal splint



Surgical guide

Holder Types



Half-open blank holder(C-CLAMP)

- Standard
- Enables 5-axis milling up to 90 degrees axis adjustment
- Maximum material thickness 35mm



Half-open blank holder(C-CLAMP with plastic secondary clamps)

- Optional
- Enables 5-axis milling up to 90 degrees axis adjustment
- Maximum material thickness 35mm
- Higher utilization rate, convenient for repeated clamping



Round closed clamp holder

- Optional
- Maximum material thickness 35mm



Block holder

- Optional
- 6 positions, suitable for zirconia and PMMA block
- 8*13*15/20*15*14/20*15*19/40*15*14/40*15*19/55*15.5*19 available

Base Cabinet

Parameters

Size	870mm*770mm*820mm
Weight	85KG



Vacuum Cleaner

Parameters

Power	150W(220V 50HZ)
Flow	4100L/min
Noise	48DB
Size	368mm*520mm*480mm
Capacity	7.5±0.5L



Milling Burs

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



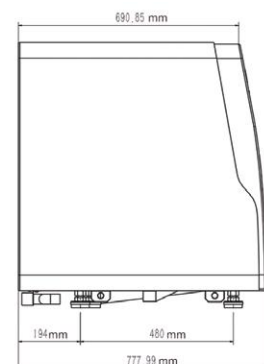
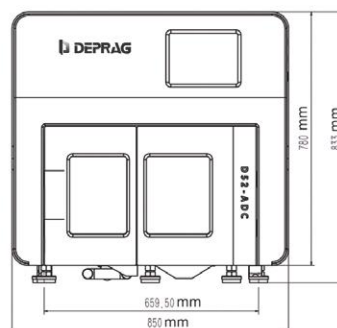
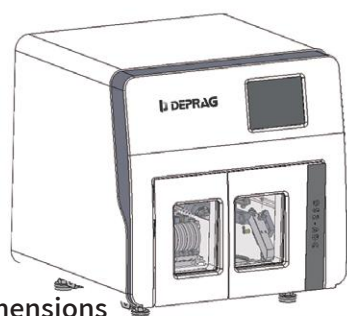
T8 0.6/4.0mm
Roto, Diamond coated



T9 1.5/4.0mm
Flat, Diamond coated



General	
Processing mode	Dry
Millable material	Zirconia, wax, PMMA, composite resin, PEEK, soft milling CoCr sintering metal
Applications	Crown, bridge, veneer, inlay, onlay, abutment, denture, screw-retained bridge, model cast, occlusal splint, surgical guide
Structure parameters	
Basic construction	Aluminium
Number of axes	5
Linear axes X-/Y-/Z-axis	Precision ball screws
	High alloy steel precision guide
	Accuracy $\pm 0.005\text{mm}$
Rotary axis A-axis	$+30^{\circ}\sim-90^{\circ}$
Rotary axis B-axis	360°
Tool	10
Light	Three-color working status indicator
Spindle	
Speed	60,000 rpm
Power	500 W
Positioning/Repositioning accuracy	0.01/ 0.005 mm
Collet	$\Phi 4\text{ mm}$
Automation Functions	
Automatic disc changer	8 discs
Automatic Calibration	Fixed frequency auto-calibration
Automatic Teeth Removal	Optionally enable automatic tooth removal mode
RFID identification	Automatically identify disc information
Size And Weight	
Dimension and weight	850 × 780 × 835 mm
Footing Size	570 × 480 mm
Weight	230 kg
Scope of delivery	
CAM Software	Millbox / Hyperdent / WorkNC available
Clamps	Half-open blank holder(C-CLAMP)
	Half-open blank holder(C-CLAMP with plastic secondary clamps)
	Round closed clamp
	Block holder
The rest of the accessories	Spindle maintenance kit, turning pin(*3), calibration block,jig screw(*20), special material tray(*10),vacuum cleaner assembly, instruction manual,U-disk , Aviation plug for vacuum cleaner, common maintenance tool kit



Dental Milling Machine
With Automatic Disc Changer

D52-ADC Outline Dimensions

· Digital Lab Milling Center



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