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CATALOG

LEADER IN DENTAL

CAD/CAM

SOLUTIONS

2025





Shenzhen LUHLUH Tech CO.,Ltd

Corporate vision

To be the dental CAD&CAM solution leader

Mission of company

To provide reliable and efficient tools and services for the dental industry

Core value

Customer orientation Honest and pragmatic
Passionate and efficient mutually beneficial cooperation

LUHLUH is a high-tech service provider dedicated to digital solutions for oral dentures.

We integrate equipment research and development, production, sales, training, and after-sales service.

Our products mainly include denture cutting machines, high-temperature sintering furnaces, movable tooth injection glue machines and other equipment and related accessories.

Headquartered in Shenzhen, it currently employs 300+ people and its products are sold to more than 80 countries and regions around the world.

LUHLUH will adhere to the tenet of "customer value is our value", continue to develop in the global dental market, combine advanced technology with the commitment of 100% customer satisfaction, and welcome more and more global distributors and denture processing plants, outpatient clinics and dental hospitals to cooperate with us, so that everyone in the world can enjoy the beauty of scientific and technological life.



Timely and effective after-sales service



The equipment operates stably for a long time to ensure smooth production



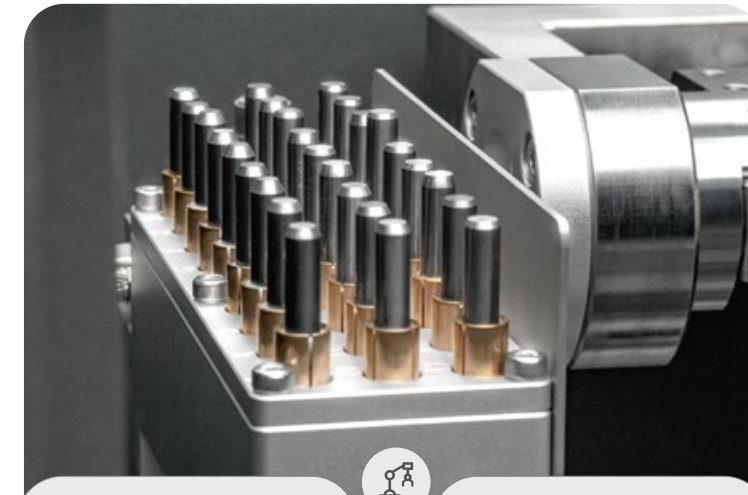
Guaranteed by a senior technical team in the dental industry



Obtained 30+ invention patents

FULLY FUNCTIONAL 5-AXIS WET & DRY MILLING MACHINE

52W



Removable Tool Magazine

Introducing the magnetic quick-release interface and intelligent positioning slot - equipped one-click plug-and-play mobile tool magazine! It enables single-handed operation without the need for tools. You can achieve ultra-fast tool changing in just 3 seconds. Even novices can handle it with ease, redefining high-efficiency machining.



New Casting Process

52W adopts high molecular polyester concrete closed frame body. The processing is more stable and the overall rough processing efficiency is increased by 50%.



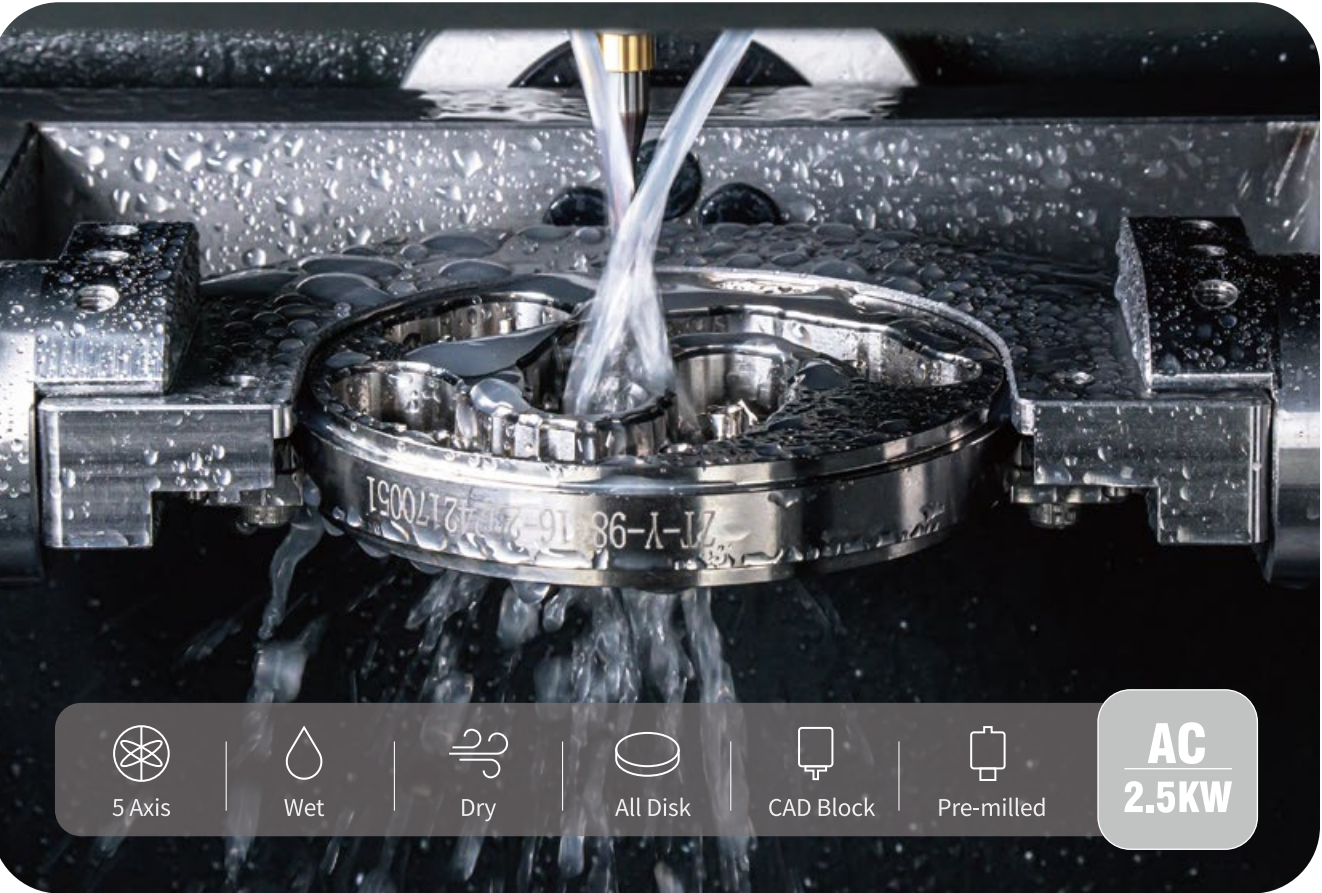
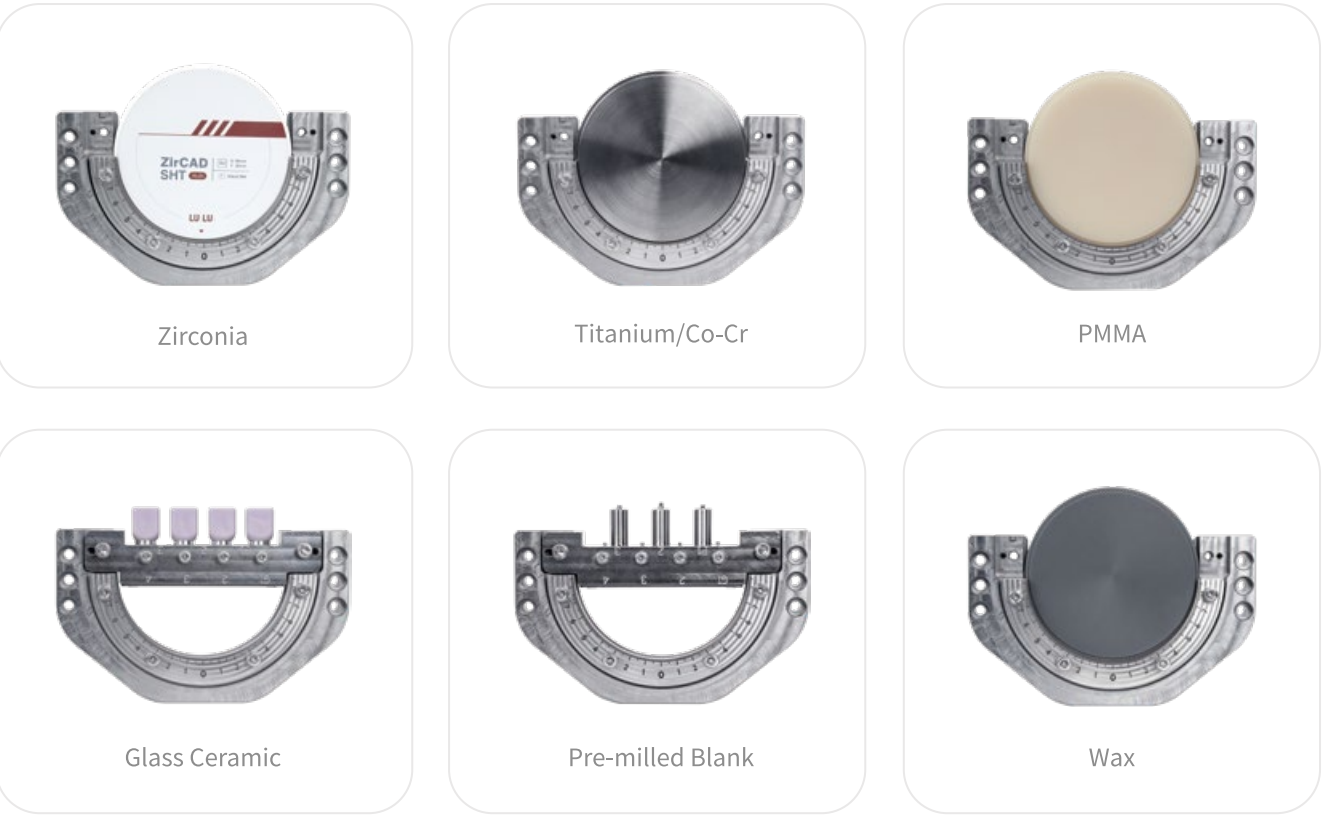
3D Printing Post-Processing

Our milling machine supports 3D printing post-processing, and the printed part is fixed to our custom clamps for easy polishing of the inner part oxide.



Wet & Dry Auto-Switching

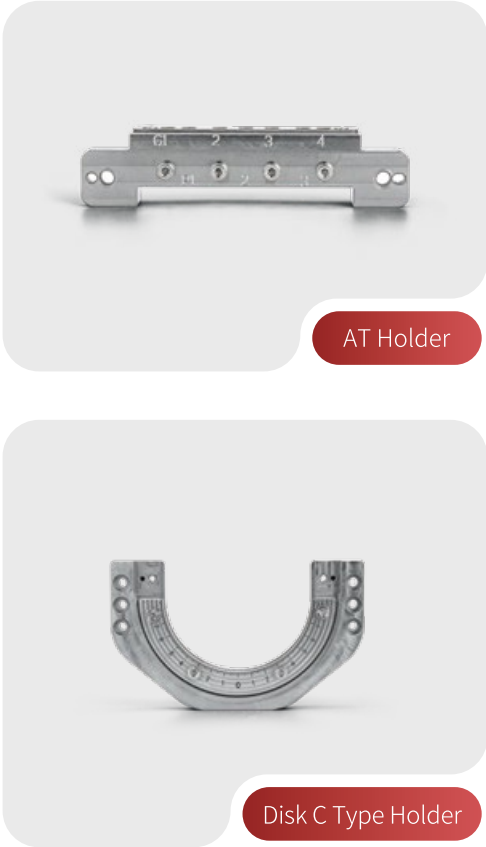
The milling machine features a built-in automatic dry-wet switching system that intelligently switches processing modes based on material properties without manual operation, eliminating downtime interruptions and operational errors. Employees are relieved from constant monitoring and checks, saving both time and effort.



Specifications

Axis		5 Axis
Processing		Wet and Dry
Spindle Power		AC 2.5 KW
A.T.C		27
Tool Shank (mm)		Φ6
Motor		Servo
Control System		Embedded Multi-axis CNC
Cooling Method		Water Cooling
Machine Size (W*D*H)		685*770*1700 mm
Weight (Machine / Table)		390 kg
Travel	X,Y,Z axis	305*165*115 mm
	A / B axis	A:360°,B:±30°

Accessories



Materials

Pre-milled Blank	⊙ (3ea)
Co-Cr Disk	⊙
Titanium Disk	⊙
Glass Ceramic	⊙ (4ea)
Zirconia	⊙
PMMA	⊙
PEEK	⊙
Wax	⊙

Applications

Implant Bar	⊙
Screw-Retained Bridge (Crown & Coping)	⊙
Customized Abutment	⊙
Hybrid Abutment	⊙
Inlay & Onlay	⊙
Crown & Coping	⊙
Crown & Coping Bridge	⊙
Model	⊙
Bite Splint	⊙
Denture	⊙

⊙ : High Compatibility ○ : Compatibility
✗ : Non-Compatibility

WET & DRY MACHINING
5-AXIS
DISC-CHANGING
MILLING
MACHINE

52DCpro



Eight Trays
Automatically Replaced

This machine automatically changes discs within seconds, accurately and efficiently without stopping, which greatly increases production capacity and saves manpower, making batch processing stress-free.



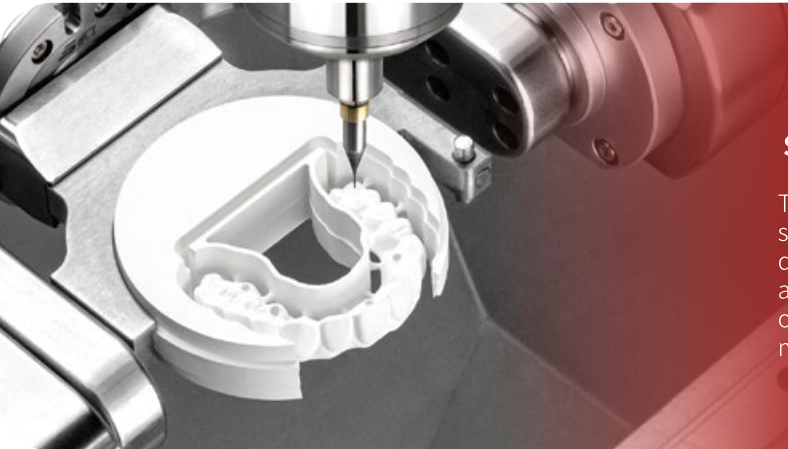
Movable Tool Magazine

Introducing the magnetic quick - release interface and intelligent positioning slot - equipped one - click plug - and - play mobile tool magazine! It enables single - handed operation without the need for tools. You can achieve ultra - fast tool changing in just 3 seconds. Even novices can handle it with ease, redefining high - efficiency machining.



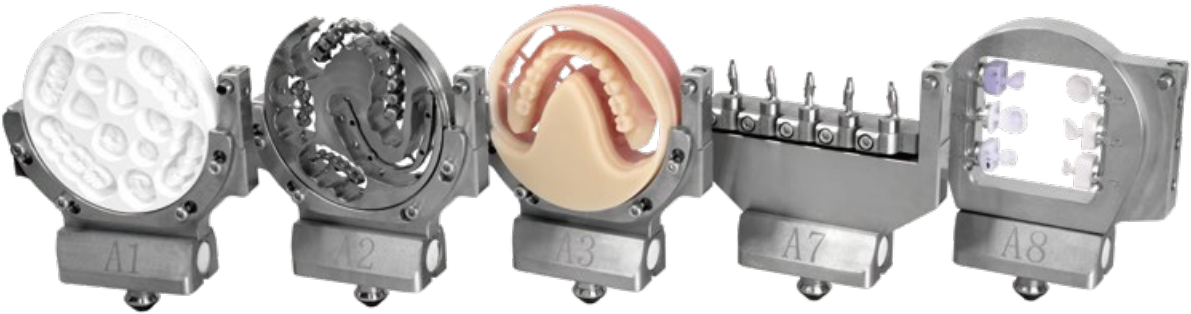
24-Hour Non-Stop Work

It can run unattended and continuously for 24 hours without stopping production, and can deliver on time no matter how many orders there are.



Separation Of Silo And Processing Silo

The silo and processing bin are installed separately, so loading and unloading does not delay the processing machine. The silo is far away from the processing area, so the debris and oil will not stick to the material, and the raw materials are clean and not contaminated.



Zirconia

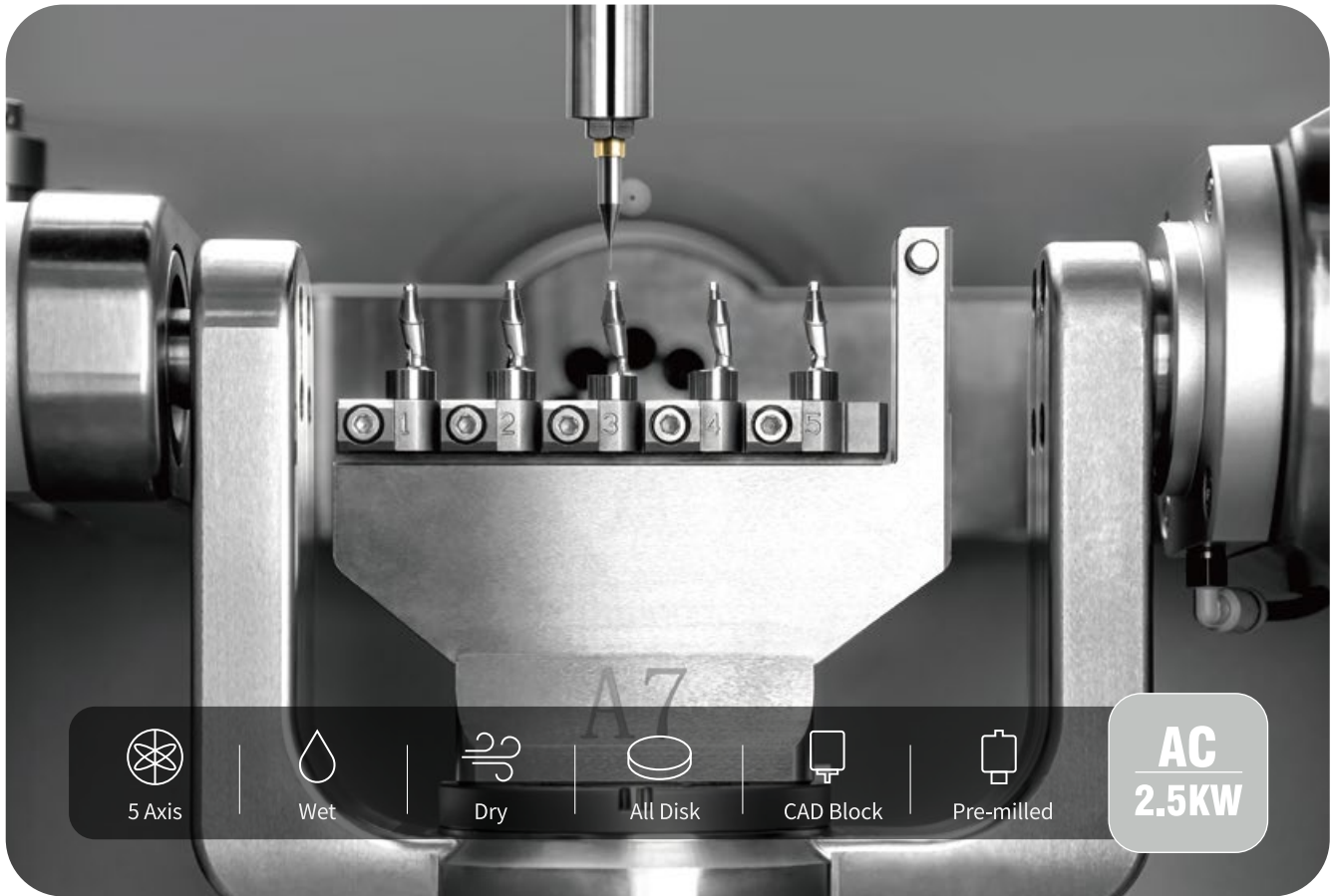
Titanium

Pre-milled Blank

Resin

Wax

Glass Ceramic



Specifications

Axis		5 Axis
Processing		Wet and Dry
Spindle Power		AC 2.5 KW
A.T.C		18
Tool Shank (mm)		Φ6
Motor		Servo
Control System		Embedded Multi-axis CNC
Cooling Method		Water Cooling
Machine Size (W*D*H)		835*810*1770 mm
Weight (Machine / Table)		530 kg
Travel	X,Y,Z axis	280*135*115 mm
	A / B axis	A:360°,B:±30°

Accessories



Disk C Type Holder



Pre-milled Blank Holder

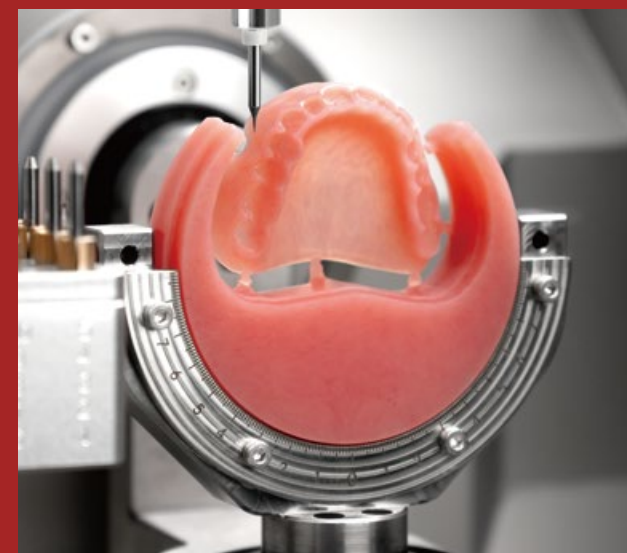


Glass Ceramic Jig Holder

Materials

Applications

Pre-milled Blank	⊙ (5 ea)	Implant Bar	⊙
Co-Cr Disk	○	Screw-Retained Bridge (Crown & Coping)	⊙
Titanium Disk	⊙	Customized Abutment	⊙
Glass Ceramic	⊙ (6 ea)	Hybrid Abutment	⊙
Zirconia	⊙	Inlay & Onlay	⊙
PMMA	⊙	Crown & Coping	⊙
PEEK	⊙	Crown & Coping Bridge	⊙
Wax	⊙	Model	⊙
⊙ : High Compatibility ○ : Compatibility ✗ : Non-Compatibility		Bite Splint	⊙
		Denture	⊙



5-AXIS DRY MILLING MACHINE

(Free Of Air Compressor)

52D



Integrated Silicone Ventilation And Dustproof

The silicone of this structure has high elasticity, high and low temperature resistance, and anti-aging properties. The one-piece molding process ensures that the dust cover fits seamlessly with the spindle, guide rail and other components.



Closed Frame & Cast Iron /Aluminum

Cast iron has high rigidity and high damping properties, while cast aluminum is lightweight and has good heat dissipation. The closed design can tightly integrate various components.



Zirconia



Wax



PMMA



The milling machine's origin-free spindle adopts a built-in motor direct drive and precision mechanical transmission design, which does not require air pipelines and supporting air source equipment, and gets rid of the traditional pneumatic spindle's dependence on air source.

Accessories

Disk C Type Holder



Specifications

Axis		5 Axis
Processing		Dry
Spindle Power		DC 0.8 KW
A.T.C		10
Tool Shank (mm)		Φ 4
Motor		Servo
Control System		Embedded Multi-axis CNC
Cooling Method		Natural Cooling
Machine Size (W*D*H)		525*700*784 mm
Weight (Machine / Table)		150 kg
Travel	X,Y,Z axis	160*115*105 mm
	A / B axis	A:360°,B: +90°/ -30°



5 Axis



10 Tool



Dry



Zirconia



Disk

DC
0.8KW

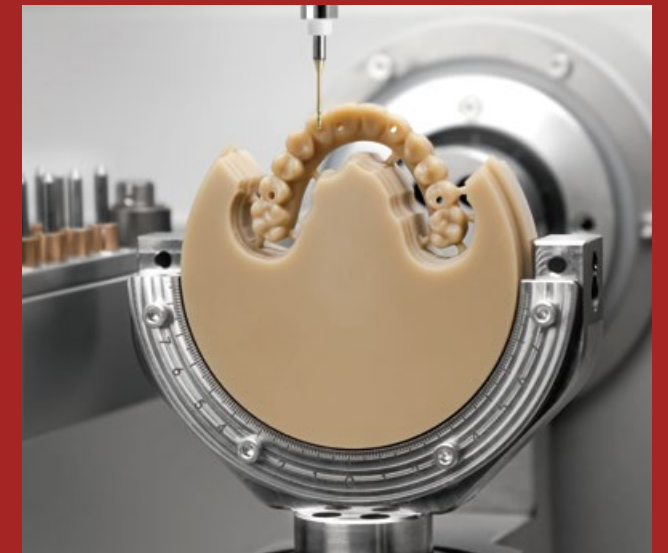
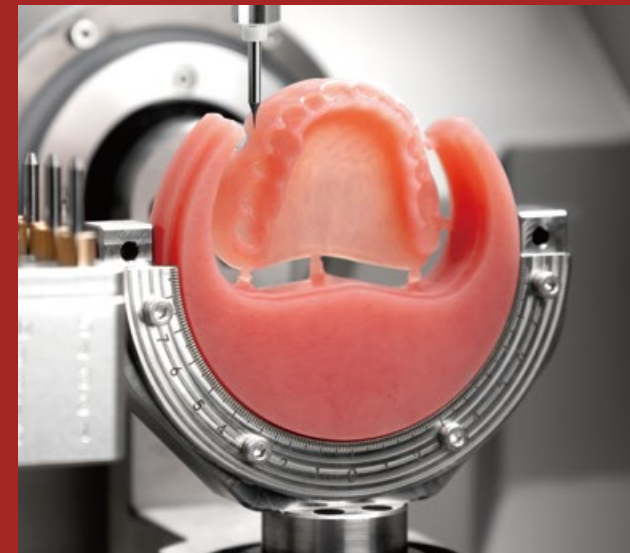
Materials

Pre-milled Blank	×
Co-Cr Disk	×
Titanium Disk	×
Glass Ceramic	×
Zirconia	⊙
PMMA	⊙
PEEK	⊙
Wax	⊙

⊙ : High Compatibility ○ : Compatibility
× : Non-Compatibility

Applications

Implant Bar	×
Screw-Retained Bridge (Crown & Coping)	⊙
Customized Abutment	⊙
Hybrid Abutment	⊙
Inlay & Onlay	⊙
Crown & Coping	⊙
Crown & Coping Bridge	⊙
Model	⊙
Bite Splint	×
Denture	⊙



DESKTOP 5-AXIS DENTAL PROSTHESIS MILLING MACHINE

52D



52D Milling Machine: Integrated Silicone Dust & Fluid Shield

Traditional Milling machines require regular disassembly for internal cleaning due to dust—wasting much labor and time, and raising maintenance/replacement costs. The 52D is equipped with an integrated silicone dust-proof & ventilation design, which effectively blocks iron chips, dust and coolant leakage. Its seamless fit acts like a protective cover for the machine, keeping spindle bearings and guide rails dust-free—directly doubling their service life.



Enclosed Cast Iron & Aluminum Alloy Frame

The machine's one-piece cast enclosed body, combining cast iron and aluminum alloy, inherits cast iron's excellent damping performance and cast aluminum's lightweight balance. It ensures strong rigidity to effectively absorb vibrations from high-speed operations (e.g., milling, spindle rotation), while offering outstanding corrosion resistance, anti-aging ability and reliable heat dissipation—significantly extending the service life of core components.



Zirconia



Wax



PMMA



Powerful Milling Force: Tackle Hard-to-Machine Materials in One Pass

Featuring a high-power 2.5KW AC spindle, it delivers stronger torque and more stable speed—easily handling materials like titanium alloy. It eliminates issues of "unable to mill, tool jamming, and machining delays" common with low-power spindles. With over 30% deeper single-mill depth, complex workpieces require no multiple passes, doubling machining efficiency.

Accessories



Disk C Type Holder



Specifications



Axis	5 Axis	
Processing	Dry	
Spindle Power	AC 2.5 KW	
A.T.C	10	
Tool Shank (mm)	Φ 4	
Motor	Servo	
Control System	Embedded Multi-axis CNC	
Cooling Method	Water Cooling	
Machine Size (W*D*H)	525*700*784 mm	
Weight (Machine / Table)	150 kg	
Travel	X,Y,Z axis	160*115*105 mm
	A / B axis	A:360°,B: +90° / -30°



Materials

Applications

Pre-milled Blank	×	Implant Bar	×
Co-Cr Disk	×	Screw-Retained Bridge (Crown & Coping)	⊙
Titanium Disk	×	Customized Abutment	⊙
Glass Ceramic	×	Hybrid Abutment	⊙
Zirconia	⊙	Inlay & Onlay	⊙
PMMA	⊙	Crown & Coping	⊙
PEEK	⊙	Crown & Coping Bridge	⊙
Wax	⊙	Model	⊙
⊙ : High Compatibility ⊖ : Non-Compatibility		Bite Splint	×
		Denture	⊙

DESKTOP AUTOMATIC MATERIAL TRAY Milling MACHINE

52DCs



Automatic Disc-Changing: 3-Disc Milling in One Go for Peak Efficiency

This machine comes with an automatic disc-changing function, capable of Milling up to 3 material discs in a single cycle. No idle operation, no need for manual supervision—while production capacity surges dramatically, it also slashes labor demands. Batch processing becomes totally hassle-free.



2.5KW AC Spindle: Power Through Tough & Thick Materials

Equipped with a 2.5KW AC spindle, it mill through both hard and thick materials effortlessly. Backed by robust power, it significantly boosts titanium alloy Milling efficiency—while others finish 3 parts, you'll produce 5 premium ones. Even with a surge of orders, you can take them on with confidence



Blazing-Fast Tool Change, Max Efficiency

Magnetic design enables "one-snap secure, one-pull release" for tools—single tool change takes under 3 seconds, 50% faster than traditional mechanical lock tool magazines. Paired with a movable structure, it adjusts flexibly to machining stations, no frequent workpiece movement needed. This cuts process transition time drastically, boosting overall machine efficiency.



Zirconia

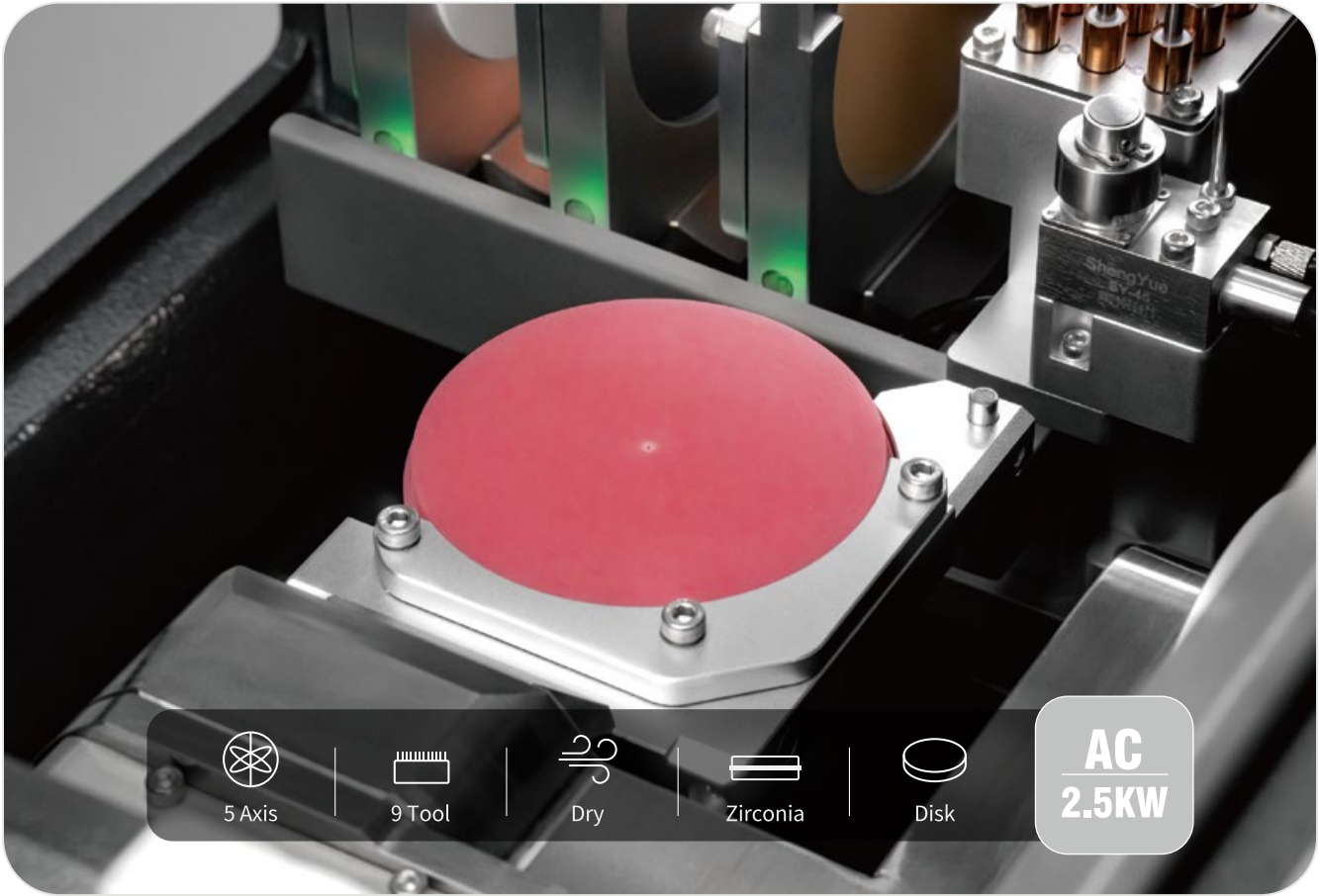
Wax

PMMA



Enclosed Frame Body:
High-Molecular Polyester Concrete
for Stable, Efficient Machining

Engineered with high-molecular polyester concrete, the enclosed frame body offers unparalleled rigidity, vibration damping, strength, and wear resistance. This advanced construction ensures stable machining performance, delivering a 50% increase in roughing efficiency.



5 Axis



9 Tool



Dry



Zirconia



Disk

AC
2.5KW

Accessories



Disk C Type Holder



Specifications



Axis		5 Axis
Processing		Dry
Spindle Power		AC 2.5 KW
A.T.C		9
Tool Shank (mm)		Φ 4
Motor		Servo
Control System		Embedded Multi-axis CNC
Cooling Method		Water Cooling
Machine Size (W*D*H)		685*770*880 mm
Weight (Machine / Table)		290 kg
Travel	X,Y,Z axis	305*165*115 mm
	A / B axis	A:360°,B: +90° / -30°

Materials

Applications

Pre-milled Blank	×	Implant Bar	×
Co-Cr Disk	×	Screw-Retained Bridge (Crown & Coping)	⊙
Titanium Disk	×	Customized Abutment	⊙
Glass Ceramic	×	Hybrid Abutment	⊙
Zirconia	⊙	Inlay & Onlay	⊙
PMMA	⊙	Crown & Coping	⊙
PEEK	⊙	Crown & Coping Bridge	⊙
Wax	⊙	Model	⊙
⊙ : High Compatibility ⊘ : Compatibility × : Non-Compatibility		Bite Splint	×
		Denture	⊙

ALL-IN-ONE DRY & WET Milling MACHINE FOR DENTAL DENTURE BASE RESINS

52DCP



Zirconia

PMMA

PEEK

Wax

Glass Ceramic

Pre-milled Blank



Three Discs Automatically Change Discs

Automatic disc change second speed switch, accurate and efficient non-stop, soaring production capacity also save people, batch processing without pressure.



High Power Spindle

Using 2.5KW spindle, hard material and thick material can be mill, powerful power to support titanium alloy milling efficiency, you can produce 5 fine products when others mill 3 pieces, and dare to receive more orders.



Removable Tool Magazine

Using magnetic suction quick disassembly interface and intelligent positioning card slot, the one-key insertion and removal of the movable tool library, without single hand operation of the tool, 3 seconds fast tool change.



Integrated Mineral Manufacturing

Engineered with high-molecular polyester concrete, the enclosed frame body offers unparalleled rigidity, vibration damping, strength, and wear resistance. This advanced construction ensures stable machining performance, delivering a 50% increase in roughing efficiency.



5 Axis



Wet



9 Tool



3 Disk



Pre-milled Blank

AC
2.5KW

Specifications

Axis		5 Axis
Processing		Wet
Spindle Power		AC 2.5 KW
A.T.C		9
Tool Shank (mm)		Φ 4
Motor		Servo
Control System		Embedded Multi-axis CNC
Cooling Method		Water Cooling
Machine Size (W*D*H)		685*770*1700 mm
Weight (Machine / Table)		390 kg
Travel	X,Y,Z axis	305*165*115 mm
	A / B axis	A:360°,B:±90°/-30°



Accessories



Disk C Type Holder



Pre-milled Blank Holder



Glass Ceramic Holder

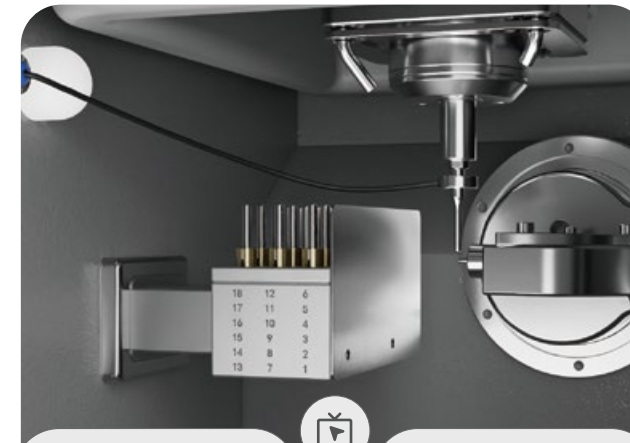
Materials

Applications

Pre-milled Blank	⊙ (6 ea)	Implant Bar	○
Co-Cr Disk	×	Screw-Retained Bridge (Crown & Coping)	⊙
Titanium Disk	×	Customized Abutment	⊙
Glass Ceramic	⊙ (6 ea)	Hybrid Abutment	⊙
Zirconia	⊙	Inlay & Onlay	⊙
PMMA	⊙	Crown & Coping	⊙
PEEK	⊙	Crown & Coping Bridge	⊙
Wax	⊙	Model	⊙
⊙ : High Compatibility ○ : Compatibility × : Non-Compatibility		Bite Splint	⊙
		Denture	⊙

5-AXIS WET & DRY MILLING MACHINE

W53



Dry And Wet Switch Animation Guidance

Compared with text instructions or static graphics, animation can intuitively show the dynamic logic of the operation, and the information transmission efficiency is improved by more than 60%.



Integrated Silicone, Ventilation And Dustproof

The milling machine adopts the integrated silica gel material to design the ventilation and dust-proof structure. The silica gel has high elasticity, high and low temperature resistance, and anti-aging characteristics. The integrated molding process ensures the seamless fit of the dust cover and the main shaft, guide rail and other parts.



Pre-milled Blank Interface Is Precisely Calibrated

The preset high-precision standard ball was used as the reference, and the coordinates, diameters and other parameters of the implant interface were automatically identified combined with the machine sensors, which replaced the traditional manual calibration operation.



Industrial Grade Ball Calibration

It can reduce downtime calibration time, improve equipment utilization, reduce labor costs and rework costs caused by calibration errors, high-precision calibration to ensure milling size, reduce scrap rate, improve product qualification rate.



Zirconia

Titanium/Co-Cr

Pre-milled Blank

Resin

Wax

Glass Ceramic



5 Axis



Wet



Dry



All Disk



CAD Block



Pre-milled

AC
2.5KW

Accessories



Pre-milled Blank Holder
(ARUM)



Pre-milled Blank Holder
(medentika)



Disk C Type Holder



Glass Ceramic Holder

Specifications



Axis		5 Axis	Control System		Embedded Multi-axis CNC
Processing		Wet and Dry	Cooling Method		Water Cooling
Spindle Power		AC 2.5 KW	Machine Size (W*D*H)		525*700*784 mm
A.T.C		18	Weight (Machine / Table)		150 kg
Tool Shank (mm)		Φ6	Travel	X,Y,Z axis	160*115*105 mm
Motor		Servo		A / B axis	A:360°,B: +90°/ -30°

Materials

Applications

Pre-milled Blank	◎ (3 ea)	Implant Bar	◎
Co-Cr Disk	○	Screw-Retained Bridge (Crown & Coping)	◎
Titanium Disk	◎	Customized Abutment	◎
Glass Ceramic	◎ (6 ea)	Hybrid Abutment	◎
Zirconia	◎	Inlay & Onlay	◎
PMMA	◎	Crown & Coping	◎
PEEK	◎	Crown & Coping Bridge	◎
Wax	◎	Model	◎
◎ : High Compatibility ○ : Compatibility ✕ : Non-Compatibility		Bite Splint	◎
		Denture	◎

4-AXIS WET MILLING MACHINE

46W

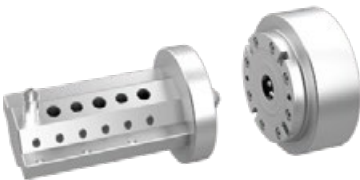


Wired probe

The signal transmission between the probe and the equipment control system is achieved through physical cables, and it has a hardware structure with fixed connections.



Accessories



AT Holder



Pre-milled Blank/Glass Ceramic



Integrated Silicone, Ventilation And Dustproof

The milling machine adopts the integrated silica gel material to design the ventilation and dust-proof structure. The silica gel has high elasticity, high and low temperature resistance, and anti-aging characteristics. The integrated molding process ensures the seamless fit of the dust cover and the main shaft, guide rail and other parts.



Specifications

Axis	4 Axis	Control System	Embedded Multi-axis CNC
Processing	Wet	Cooling Method	Water Cooling
Spindle Power	AC 2.5 KW	Machine Size (W*D*H)	525*700*784 mm
A.T.C	10	Weight (Machine / Table)	150 kg
Tool Shank (mm)	Φ6	Travel X,Y,Z axis	160*115*105 mm
Motor	Servo	A / B axis	B: 360°

Materials

Pre-milled Blank	⊙ (6 ea)
Co-Cr Disk	×
Titanium Disk	×
Glass Ceramic	⊙ (20 ea)
Zirconia	×
PMMA	×
PEEK	×
Wax	×

⊙ : High Compatibility ○ : Compatibility
× : Non-Compatibility

Applications

Implant Bar	⊙
Screw-Retained Bridge (Crown & Coping)	○
Customized Abutment	⊙
Hybrid Abutment	⊙
Inlay & Onlay	⊙
Crown & Coping	⊙
Crown & Coping Bridge	×
Model	×
Bite Splint	×
Denture	×

Company patent certificate 30⁺

