

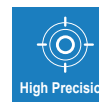
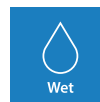
JDM5T PRO

5-AXIS METAL DENTAL MILLING MACHINE

More fixtures can be customized



Milling Type



JDM5T PRO INTRODUCE

More than just mechanical engineering

5 AXIS METAL DENTAL MILLING MACHINE

The JDM5T-PRO 5 Axis Metal Dental Milling Machine is a CNC system-controlled, 5-axis synchronized dental milling apparatus capable of performing milling and drilling operations on materials such as premilled abutment, titanium discs, and glass ceramics, PEEK, PMMA...

This machine tool is user-friendly and features fully enclosed protection. It provides optimal solutions for various dental restorations and dental materials. Equipped with a professional dental CNC system, it supports 5-axis synchronization, allowing for the display and modification of coordinate parameters and programmed parameters. It enables direct clamping for automatic processing, offering an absolute advantage in cost-effectiveness.



A Smarter, More Hassle-Free Partner for Dental Laboratory

2.5_{kw}

Spindle Power

60000_{rpm}

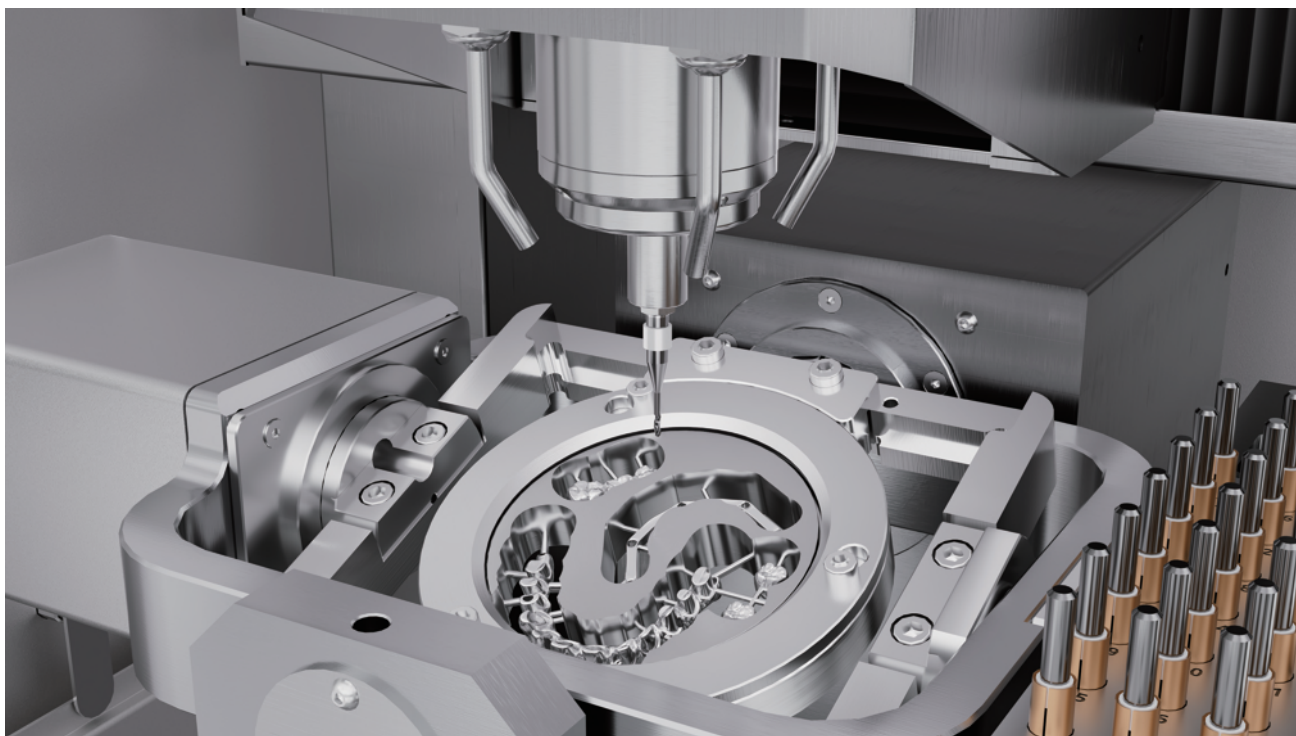
Spindle Speed

28_{tools}

Bur capacity

12.5_{inch}

HD touch Screen



MAKES MILLING AS EASY

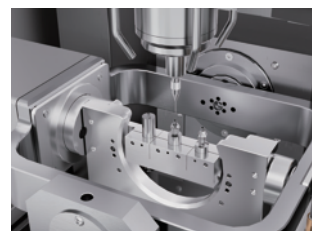


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|JDM5T-Pro Feature

Superior milling performance

Equipped with a high-performance spindle, the JDM5T-Pro achieves exceptional cutting precision, making it exceptionally capable of handling high-hardness, high-precision materials such as zirconia. With a minimum tool diameter of 0.3mm, it enables ultra-fine machining, ensuring precise control over tool paths. This results in zirconia products with extremely tight dimensional tolerances, significantly enhancing product consistency and yield rates.



28-tool capacity

The machine tool is designed with a 28-tool magazine, where burs are stored separately to avoid frequent tool changes when cutting different materials. Additionally, it is equipped with a high-precision tool measurement device, which effectively prevents errors caused by tool changes, thereby minimizing potential losses for customers.



Quick-change fixtures

The fixture is designed with a detachable structure, allowing other workpiece trays to be securely mounted on the square tray fixture. Once the machine is calibrated, it ensures long-term accuracy of the reference points, optimizing production efficiency and meeting a variety of restoration needs.



JDM5T-Pro Feature

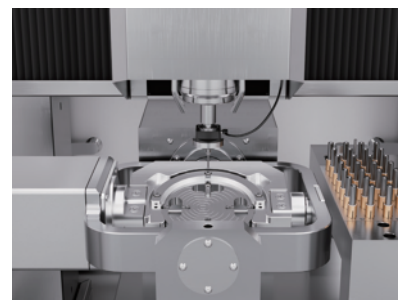
Intelligent remote control capabilities

Remote control through the "Sunlogin" software, as well as intelligent milling reminders and tool life monitoring, Effectively monitor production status and significantly improve production efficiency.



Stable automatic calibration

The machine incorporates one-touch intelligent calibration, which simplifies operations and automatically optimizes accuracy, ensuring the machine's precision and stability. This feature reduces milling errors, saves materials, and improves overall efficiency, delivering high precision and stability.



Power-Off Continuation Function

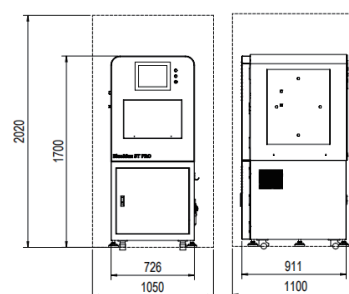
Our dental milling machine is equipped with an advanced power-off continuation function, which can intelligently record the machining progress even in the event of an unexpected power outage. Once power is restored, the machine seamlessly resumes the carving task. This function prevents material waste and time loss caused by power outages, ensuring that each dental restoration is efficiently completed.



02

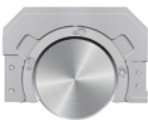
- Technical Specifications

Name	JDM5T PRO /5-axis metal dental milling machine	
Dimensions	726*911*1700mm	
Weight	700kg	
Processing range	XYZ:290*190*120	
Machine power	5kw	
Milling Type	Wet milling	
Tool magazine	28	
Input voltage	220V	
Processing materials	Implant bar,implant bridge,metal crown/HPP/removable denture/PMMA/custom abutment/glass ceramics...	
Cooling mode of spindle	Water cooling	
Spindle power	2.5kw	
Water chiller	0.5kw	
Spindle Speed	60000rpm	
Milling method	Oil milling (optional water milling)	
Fixture size	Square plate:140*150mm Round disc:98mm	
Maximum Angle	Sqaure plate	A axis:360° B axis: -10°, +15°
	Round disc	A axis:360° B axis: ±35°
Average Processing Time	Metal crown	15-22 min
	Abutment	7-20 min
	Glass ceramics	10-20 min
	Implant bridge	2-4 min



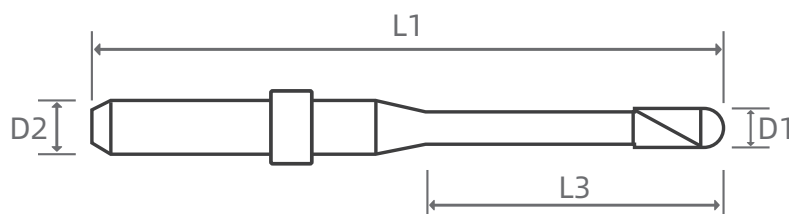
03

• Restoration Types/Materials

	 Round disc	 Premilled abutment	 Glass ceramics	 Medentike abutment
 Coping/Full Crown	✓	✓	✓	
 Three-Unit Bridge	✓	✓	✓	
 Inlay/Onlay	✓	✓	✓	
 Veneers	✓	✓	✓	
 Screw-Retained Crown	✓			
 Custom Abutment	✓			✓
 Thimble Bar	✓			
 Partial Denture Frameworks	✓			
 Superstructures Over Bars	✓			
 Full Dentures	✓			
 Full Dentures without Teeth	✓			
 Bite Splint	✓			

04

• Adapter tools



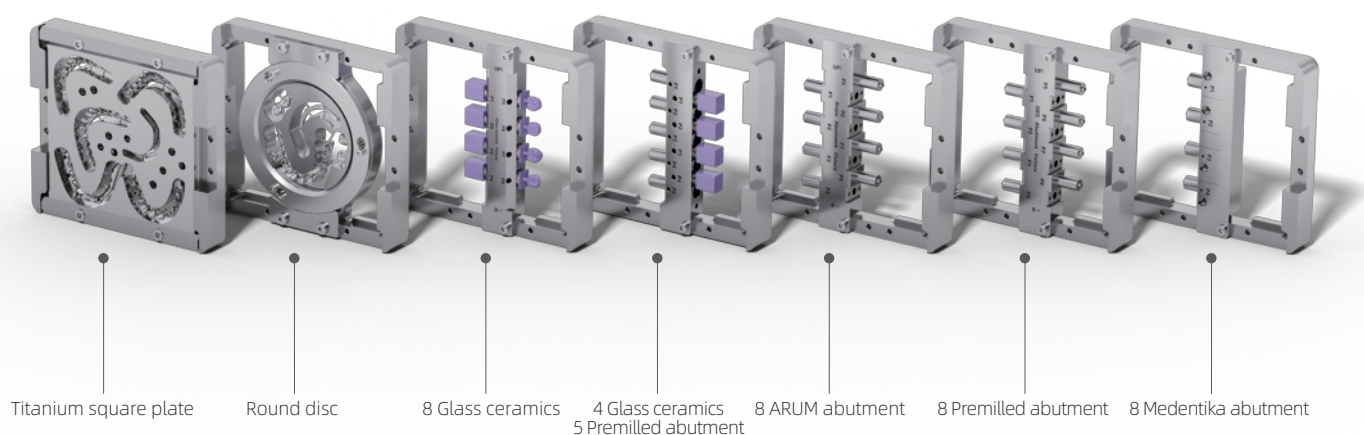
Tool Number	Bur types	specifications	D1(mm)	D2(mm)	L3(mm)	L1(mm)
T1	Bridge frame bur	Ball End Mill	3	∅ 6	16	50
T2	Bridge frame bur	Ball End Mill	2	∅ 6	12	50
T3	Bridge frame bur	Ball End Mill	1	∅ 6	8	50
T4	Bridge frame bur	Drill Bit	2.2	∅ 6	20	50
T5	Bridge frame bur	Drill Bit	1.5	∅ 6	15	50
T6	Bridge frame bur	Flat End Mill	2	∅ 6	10	50
T7	Bridge frame bur	Ball End Mill	1.5	∅ 6	12	50
T8	Bridge frame bur	Bull Nose End Mill	2.0 R0.2	∅ 6	12	50
T9	Bridge frame bur	Bull Nose End Mill	1.5 R0.1	∅ 6	16	50
T10	Bridge frame bur	Bull Nose End Mill	1.5 R0.1	∅ 6	12	50
T11	Bridge frame bur	Ball End Mill	0.5	∅ 6	3	50
T12	Bridge frame bur	Flat End Mill	1	∅ 6	6	50
T13	Bridge frame bur	Flat End Mill	0.5	∅ 6	4	50
T14	Bridge frame bur	Ceramic Bur	2	∅ 6	13	50
T15	Bridge frame bur	Ceramic Bur	1	∅ 6	10	50
T16	Bridge frame bur	Ceramic Bur	0.6	∅ 6	8	50
T17	Bridge frame bur	Extended Bull Nose End Mill	1.5 R0.1	∅ 6	20	50
T18	Bridge frame bur	M1.4 Thread Mill	1.4	∅ 6	4	50
T19	Bridge frame bur	M1.8 Thread Mill	1.8	∅ 6	6	50
T20	Bridge frame bur	M2.0 Thread Mill	2	∅ 6	6	50
T21	Bridge frame bur	T-Slot Cutter	/	∅ 6	10	50
T22-T27	/	reserve	/	/	/	50
T28	Calibration rod					

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| Other supporting products

Customized fixture can choose

We have a variety of custom fixtures that can mill titanium square plate, round discs, premilled abutment, glass ceramics, etc. Meeting your laboratory cutting needs.



Water Tank and Water Pump

Engineered for high-performance dental milling machine, our advanced water tank system ensures stable temperature control and extended spindle life, delivering unmatched precision for crown, bridge, and denture production.



✓ User-Friendly Maintenance

- Transparent level window + low-fluid alarm for real-time monitoring
- Slide-out filter tray for tool-free replacement (reusable)
- Compatible with water-soluble coolants & deionized water

| Other supporting products

Water Chiller

This economic water cooling equipment , a small thermolysis water cooler, can save energy , has long working life and operate simply Professional forced air-cooled radiator,high heat dissipating capacity and not easy to be blocked,and equipped with alarm output port, can quickly protect sensitive components.



Name	Water Chiler
Operating Frequency	50HZ
Working current	0.3-0.5A
Water tank capacity	8L
Net weight	10KG
Machine size	47 * 37 * 27cm
Packaging size	55 * 35 * 45cm

- Note:** 1.The water chiller needs to add Steamed dumplings water or purified water.
Do not add tap water, otherwise the spindle will be blocked.
2.The water in the water chiller needs to be replaced once a month.



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