JINY
DENTAL CAD/CAM

ARTIFICIAL INTELLIGENCE AI

JDM5Z-Robot

Dental Milling Machine

DRY / WET
5 AXIS
ATC
HD touch screen
90° Vertical milling
AI Crawl disc
Real-time monitoring

JINY
DENTAL CAD/CAM

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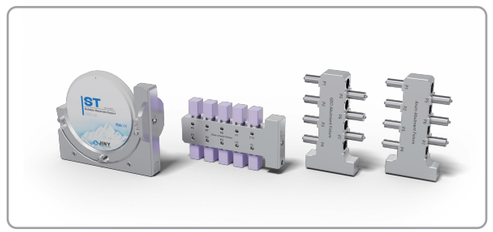
Product Features

90° vertical milling

Vertical milling ensures higher cutting precision, provides excellent marginal fit of the milled products, and allows for flexible spatial angle adjustment, making it ideal for fabricating full crowns, bridges, and implant restorations.



Versatile Material Compatibility

Featuring multiple milling fixtures, the system enables precise and efficient machining of glass ceramic, titanium abutments, zirconia, and various dental materials.

Add cameras for easier observation

This device adds camera monitoring to facilitate understanding of the operating status of the machine.

Auto tools changer

JDM5Z-Robot is equipped with 8 precision cutting tools, high-precision cutting and high-reliability design, which can complete complex denture processing on a single machine.

Millable material


Zirconia


Glass ceramics


Premilled abutment


PMMA


PEEK


WAX

Millable restorations


Coping/Full Crown


Three-Unit Bridge


Inlay/Onlay


Veneers


Screw-Retained Crown


Custom Abutment


Thimble Bar


Partial Denture Frameworks


Super structures Over Bars


Full Dentures


Full Dentures without Teeth


Bite Splint

Smart High-End Solution

The core advantages of robots replacing human labor are:
"Efficiency, low cost, safety, controllability, and sustainability."

1. Efficiency Improvement

·Continuous Operation: Robots can work 24 hours a day without interruption, unaffected by fatigue, rest, or emotions.

·High Precision and Consistency: Robots operate with minimal errors, maintaining long-term accuracy and stable quality.

2. Cost Advantages

·Reduced Labor Costs: In the long run, robots lower expenses related to wages, insurance, and training.

·Less Waste: Precise control reduces material loss.

·Automation in Production: Increases overall productivity, shortens production cycles, and improves return on investment (ROI).

Technical Parameters

Model	**JDM5Z-Robot**-5 aixs Aldental milling machine	A/B axis milling angle	A axis 360° B axis ±30°
Machine size	752*470*690mm(Excluding foot cups)	Milling mode	Wet / Dry milling
Weight	148kg	MAX.Spindle speed	3,000-60,000rpm
Tool magazine	8	Processing stroke range	XYZ:167/110/89
Input voltage	220V	Spindle cooling method	Air cooling
Spindle power	0.5kw	Average milling time	Zirconia 7-15min glass ceramics 15-30 min PMMA 8-12min Wax 6-10min
Machine power	1.2kw		