



ONE STOP
DIGITAL CAD CAM
SYSTEM PROVIDER
Since 2013



SHANGHAI JINY ELECTROMECHANICAL TECHNOLOGY CO.,LTD

E-mail: sales@jinycadcam.com

Website: www.jinycadcam.com

Tel: +86-021-59990735

Headquarter: No. 68, Lane 156, Changji East Road, Anting Town, Jiading District, Shanghai

Factory: No. 156, Zhongxinhe Road, Penglang Town, Kunshan City, Suzhou City, Jiangsu Province



JINY ,Your First Choice for High End Denture

CONTENTS

01

COMPANY PROFILE	3
HONORS & AWARDS	5
GLOBAL FOOTPRINT	7

02

DENTAL MATERIALS

Dental zirconia block.....	11
Dental PEEK/PMMA/Wax.....	23
Dental titanium block.....	26
Glass ceramic.....	27
Dental milling bur.....	31
Dental premill.....	32
Dental implant restoration.....	34

03

DENTAL MILLING MACHINE

Chairside dental milling machine.....	37
Dental lab dental milling machine.....	51

04

DIGITAL SOLUTION

Intraoral scanner.....	71
Sintering furnace.....	73
Porcelain furnace.....	74
Dental 3D Printer.....	75
Vacuum cleaner.....	77
Desktop Scanner.....	79

ABOUT JINY

COMPANY PROFILE

Shanghai Jiny Electromechanical Technology Co., Ltd. ("Jiny Dental") is a leading provider of advanced dental CAD/CAM solutions, dedicated to empowering dental laboratories and clinics with precision-driven digital manufacturing technologies.

Established in 2013 and headquartered in Shanghai, Jiny Dental has developed into a globally trusted partner in the field of digital dentistry. With advanced manufacturing operations in Kunshan and professional demonstration and training centers in Shanghai and Shenzhen, the company has built an integrated platform that combines research and development, intelligent manufacturing, clinical application support, and global after-sales service.

Driven by continuous innovation, our R&D team remains committed to advancing dental milling technology through user-centric design, intelligent workflow integration, and long-term product reliability. Our systems are designed for ease of operation, efficient management, and seamless compatibility with a wide range of dental scanners and digital workflows, enabling customers to achieve greater productivity and clinical precision.

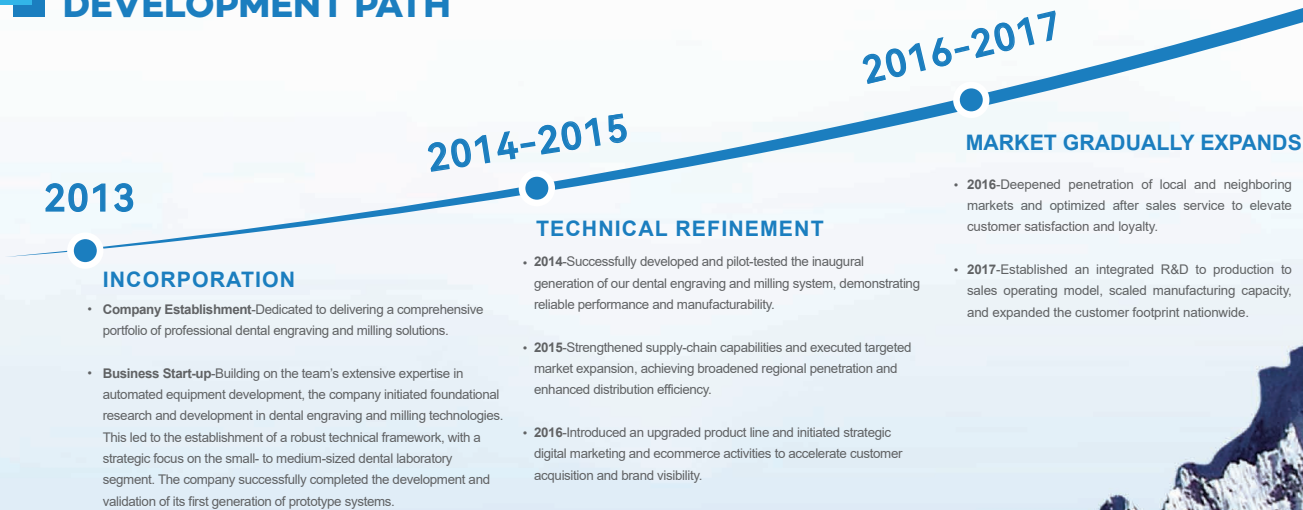
Today, Jiny Dental proudly supports more than 5,000 dental laboratories and clinics worldwide, helping professionals deliver exceptional restorative outcomes and confident smiles to patients around the world.

Our milling solutions support a comprehensive portfolio of restorations, including crowns and bridges, E.max restorations, veneers, inlays and onlays, temporary restorations, titanium premilled abutments, implant bars, All-on-4 / All-on-6 implant bridges, surgical guides, metal crowns, and custom abutments.

To ensure uninterrupted operation and complete peace of mind, Jiny Dental provides a strong global technical support and after-sales service network. We are committed to delivering remote technical response and problem resolution within 24 hours, ensuring maximum efficiency and business continuity for our partners.

Clients are warmly welcomed to visit our showrooms and milling centers in Shanghai and Shenzhen for live product demonstrations, workflow consultation, and comprehensive professional training delivered by our expert team.

DEVELOPMENT PATH



JINY CORE VALUES



HONORS & AWARDS

Innovation, Quality & Regulatory Excellence

Backed by a portfolio of proprietary invention patents, the Company demonstrates a strong commitment to technological leadership and continuous innovation.

Since its establishment, Jiny Dental has consistently pursued excellence, rapidly establishing itself as a trusted and respected industry participant. The Company's dedication to quality and compliance is evidenced by a comprehensive portfolio of certifications and recognitions, including CE marking and FDA registration, underscoring its adherence to internationally recognized standards for safety, quality, and performance.



These accolades reflect the company's adherence to rigorous industry standards and its capability to deliver superior solutions. Each certificate serves as a testament to our professional integrity, technical expertise, and the trust that partners and clients place in us. We are proud of these accomplishments, which not only acknowledge our past efforts but also motivate us to continue setting higher benchmarks for quality and innovation in the future.

GLOBAL FOOTPRINT

- **Leading Global CAD/CAM Solutions**
Delivering integrated digital dentistry solutions with precision and reliability.
- **Engineered for Quality**
Driven by expert technical teams and stringent quality standards.
- **Strong Global Presence**
Enabled by a robust and responsive international sales network.
- **Complete Digital Ecosystem**
Providing a full suite of CAD/CAM systems and materials for seamless workflows.



- Countries that have already sold
- 📍 Branches



2013 Years

Since

10000 m²

A modern production base

100+ Countries

Sold Worldwide

50+

R&D personnel

5

Branches worldwide

5,000+

Users(dental clinic& labs)

DENTAL MATERIALS

We provide a complete set of high-quality consumables.

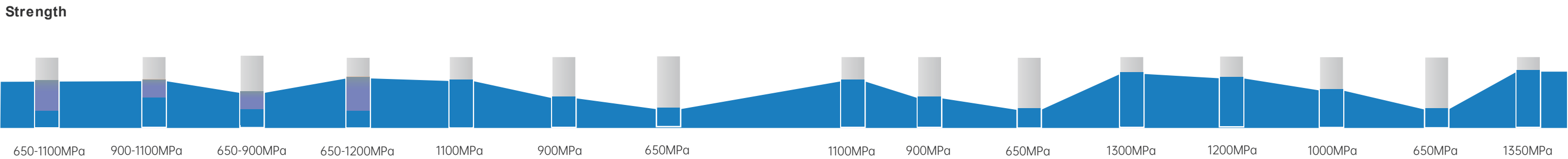
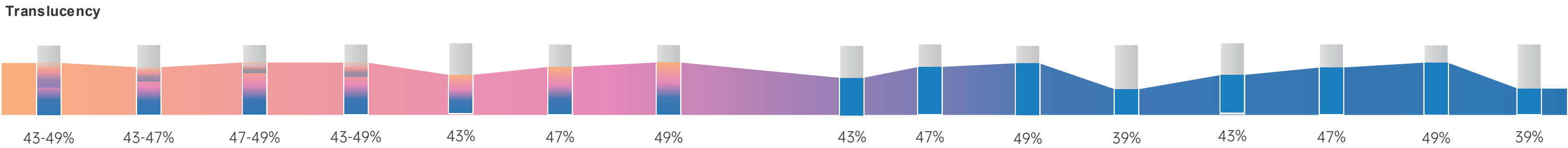
- Dental zirconia block
- Dental PEEK/PMMA/Wax
- Glass ceramic
- Dental titanium block
- Dental milling bur
- Dental premill
- Dental implant restoration



Zirconia List

Many different types

3D Pro	3D Functional	3D Aesthetic	4D Pro	ST-ML	SHT-ML	UT-ML	ST-C	SHT-C	UT-C	HT-C	ST	SHT	UT	HT
--------	---------------	--------------	--------	-------	--------	-------	------	-------	------	------	----	-----	----	----



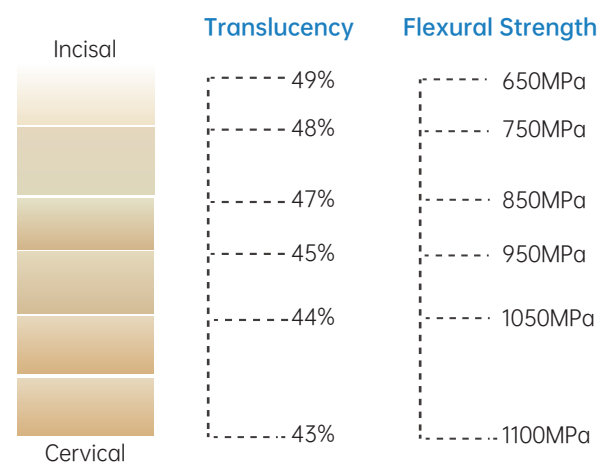
Shades									
A1\A2\A3\A3.5\A4					A1\A2\A3\A3.5\A4				
B1\B2\B3\B4					B1\B2\B3\B4				
C1\C2\C3\C4					C1\C2\C3\C4				
D2\D3\D4					D2\D3\D4				
BL1\BL2\BL3\BL4					BL1\BL2\BL3\BL4				
White									



3D PRO Multilayer zirconia block

Highlights:

- Safe and comfortable, we use 100% Sinocera Powder
- High translucency and gradient
- Flexural translucency and strength

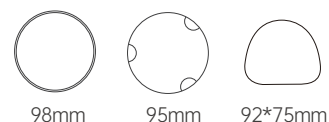


Suit for more Indications

6 layers of color gradients

Closer to natural tooth color

Disc system:



Translucency: 43-49%

Strength: 650-1100MPa

Size: 10/12/14/16/18/20/22/25/30mm

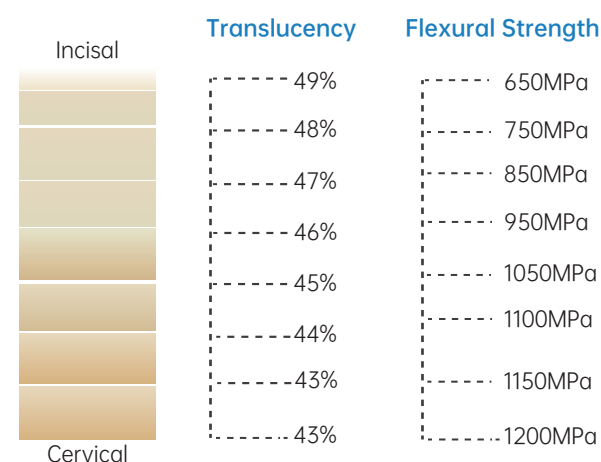
Shades:



4D PRO Multilayer zirconia block

Highlights:

- Pre staining, balancing strength and transparency
- Natural gradient permeability, simple operation, stable and efficient
- Aesthetic effect closer to natural teeth, preferred for all zirconium posterior teeth, suitable for immediate restoration beside chairside.

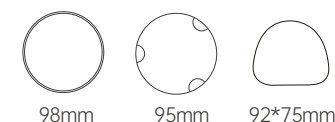


Suit for more Indications

8 layers of color gradients

Closer to natural tooth color

Disc system:



Translucency: 43-49%

Strength: 650-1200MPa

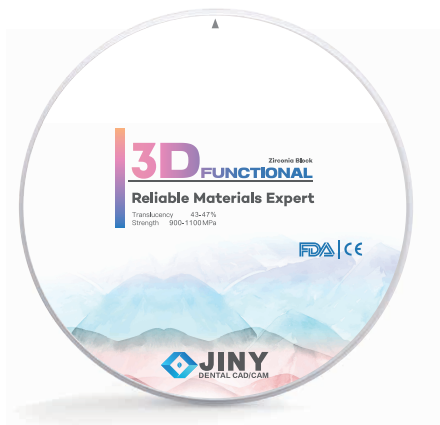
Size: 10/12/14/16/18/20/22/25/30mm

Shades:



Physical Characteristics		Chemical Components	
Density after sintering	≥6.05g/cm ³	ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99%
Fracture toughness	≥5.0Mpa.m ^{1/2}	Y ₂ O ₃	4.5%-8.0%
Flexural strength after sintering	(Hv10) 1250	Al ₂ O ₃	< 0.15%
Sintering temperature	1530°C	Other Oxides	< 0.5%

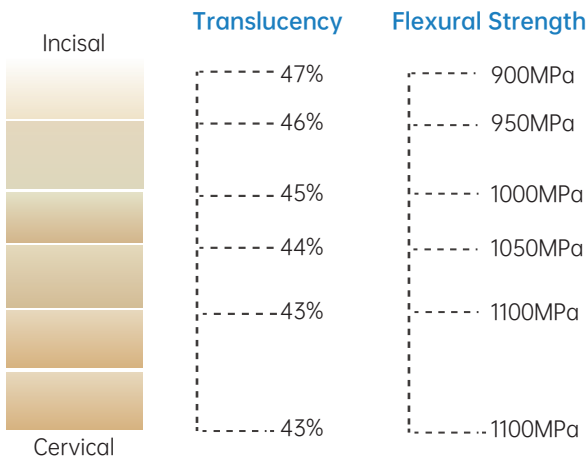
Physical Characteristics		Chemical Components	
Density after sintering	≥6.05g/cm ³	ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99%
Fracture toughness	≥5.0Mpa.m ^{1/2}	Y ₂ O ₃	4.5%-8.0%
Flexural strength after sintering	(Hv10) 1250	Al ₂ O ₃	< 0.15%
Sintering temperature	1530°C	Other Oxides	< 0.5%



3D-Function Multilayer zirconia block

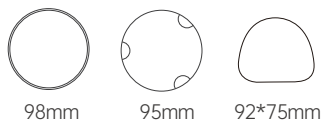
Highlights:

- Safe and comfortable,we use 100% Sinocera Powder
- High translucency and gradient
- Lexural translucency and strength



- Suit for more Indications
- 6 layers of color gradients
- Closer to natural tooth color

Disc system:



Translucency:43-47%

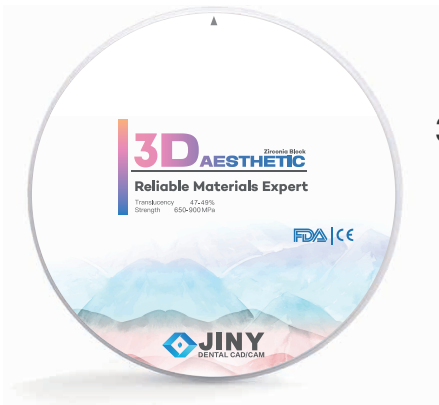
Strength:900-1100MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:



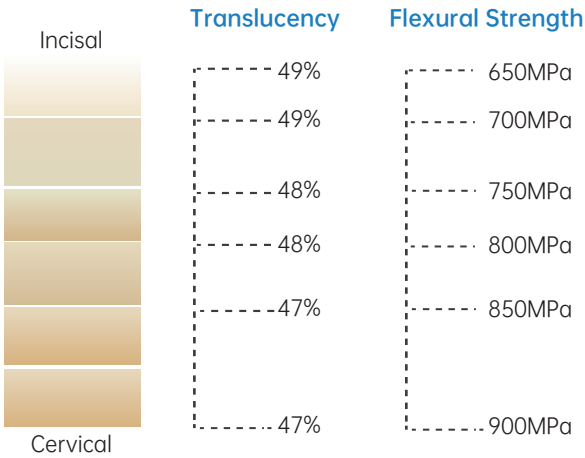
Physical Characteristics		Chemical Components	
Density after sintering	≥6.05g/cm ³	ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99%
Fracture toughness	≥5.0Mpa.m ^{1/2}	Y ₂ O ₃	4.5%-8.0%
Flexural strength after sintering	(Hv10) 1250	Al ₂ O ₃	<0.15%
Sintering temperature	1530°C	Other Oxides	<0.5%



3D-Aesthetic Multilayer zirconia block

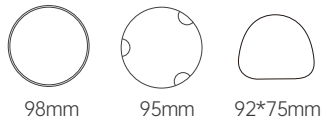
Hightlights:

- Pre staining, balancing strength and transparency
- Natural gradient permeability, simple operation, stable and efficient
- Aesthetic effect closer to natural teeth, preferred for all zirconium posterior teeth, suitable for immediate restoration beside chairside.



- Suit for more Indications
- 6 layers of color gradients
- Closer to natural tooth color

Disc system:

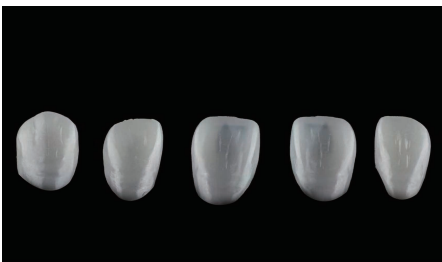


Translucency:47-49%

Strength:650-900MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:



Physical Characteristics		Chemical Components	
Density after sintering	≥6.05g/cm ³	ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99%
Fracture toughness	≥5.0Mpa.m ^{1/2}	Y ₂ O ₃	4.5%-8.0%
Flexural strength after sintering	(Hv10) 1250	Al ₂ O ₃	<0.15%
Sintering temperature	1530°C	Other Oxides	<0.5%

ST Series zirconia block

ST-ML The representative work of gradient colors, the king of cost-effectiveness.

Disc system:

98mm

95mm

92*75mm

Translucency:43%

Strength:1100MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:

A1 A2 A3 A35 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4

BL1 BL2 BL3 BL4



SHT Series zirconia block

SHT-ML This material has comprehensive indications, especially for long span bridges. The excellent masking effect makes it an ideal choice for covering metal color.

Disc system:

98mm

95mm

92*75mm

Translucency:47%

Strength:900MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:

A1 A2 A3 A35 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4

BL1 BL2 BL3 BL4



 **ST-C**
Super high translucent colored zirconia

Disc system:

98mm

95mm

92*75mm

Translucency:43%

Strength:1100MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:

A1 A2 A3 A35 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4

BL1 BL2 BL3 BL4

 **ST**
Super high translucent zirconia

Disc system:

98mm

95mm

92*75mm

Translucency:43%

Strength:1200MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:White

 **SHT-C**
Super high translucent colored zirconia

Disc system:

98mm

95mm

92*75mm

Translucency:47%

Strength:900MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:

A1 A2 A3 A35 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4

BL1 BL2 BL3 BL4

 **SHT**
Super high translucent zirconia

Disc system:

98mm

95mm

92*75mm

Translucency:47%

Strength:1000MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:White

Physical Characteristics	ST-ML	ST-C	ST
Density after sintering	≥6.05g/cm ³	≥6.05g/cm ³	≥6.05g/cm ³
Fracture toughness	≥5.0Mpa.m ^{1/2}	≥5.0Mpa.m ^{1/2}	≥5.0Mpa.m ^{1/2}
Flexural strength after sintering	(Hv10) 1250	(Hv10) 1250	(Hv10) 1250
Sintering temperature	1530℃	1530℃	1530℃
Chemical Components			
ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99%	≥99%	≥99%
Y ₂ O ₃	7.0%-7.8%	7.0%-7.8%	7.0%-7.8%
Al ₂ O ₃	< 0.15%	< 0.15%	< 0.15%
Other Oxides	< 0.5%	< 0.5%	< 0.5%

Physical Characteristics	SHT-ML	SHT-C	SHT
Density after sintering	≥6.05g/cm ³	≥6.05g/cm ³	≥6.05g/cm ³
Fracture toughness	≥5.0Mpa.m ^{1/2}	≥5.0Mpa.m ^{1/2}	≥5.0Mpa.m ^{1/2}
Flexural strength after sintering	(Hv10) 1250	(Hv10) 1250	(Hv10) 1250
Sintering temperature	1530℃	1530℃	1530℃
Chemical Components			
ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99%	≥99%	≥99%
Y ₂ O ₃	7.0%-7.8%	7.0%-7.8%	7.0%-7.8%
Al ₂ O ₃	< 0.15%	< 0.15%	< 0.15%
Other Oxides	< 0.5%	< 0.5%	< 0.15%

UT Series zirconia block

UT-ML The UT multilayer zirconia features a seamless color gradient from the incisal edge to the cervical area, mimicking the natural translucency and shade transition of vital teeth.

Disc system:

98mm

95mm

92*75mm

Translucency:49%

Strength:650MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:

A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4

BL1 BL2 BL3 BL4



HT Series zirconia block

HT-C Offering an optimal balance of aesthetics and durability.

Disc system:

98mm

95mm

92*75mm

Translucency:39%

Strength:1300MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:

A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4





UT-C

Achieves an optimal balance of durability and aesthetics

Disc system:

98mm

95mm

92*75mm

Translucency:49%

Strength:650MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:

A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4

BL1 BL2 BL3 BL4



UT

Achieves an optimal balance of durability and aesthetics

Disc system:

98mm

95mm

92*75mm

Translucency:49%

Strength:650MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:White

HT 39% translucency, 1350 MPa flexural strength — balancing aesthetics and strength for reliable clinical performance.



Disc system:

98mm

95mm

92*75mm

Translucency:39%

Strength:1350MPa

Size:10/12/14/16/18/20/22/25/30mm

Shades:White

Physical Characteristics	UT-ML	UT-C	UT
Density after sintering	≥6.00g/cm ³	≥6.00g/cm ³	≥6.00g/cm ³
Fracture toughness	≥5.0Mpa.m ^{1/2}	≥5.0Mpa.m ^{1/2}	≥5.0Mpa.m ^{1/2}
Flexural strength after sintering	(Hv10) 1250	(Hv10) 1250	(Hv10) 1250
Sintering temperature	1530℃	1530℃	1530℃
Chemical Components			
ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99%	≥99%	≥99%
Y ₂ O ₃	9.0%-11.0%	9.0%-11.0%	9.0%-11.0%
Al ₂ O ₃	< 0.15%	< 0.15%	< 0.15%
Other Oxides	< 0.5%	< 0.5%	< 0.5%

Physical Characteristics	HT-C	HT
Density after sintering	≥6.05g/cm ³	≥6.05g/cm ³
Fracture toughness	≥5.0Mpa.m ^{1/2}	≥5.0Mpa.m ^{1/2}
Flexural strength after sintering	(Hv10) 1250	(Hv10) 1250
Sintering temperature	1530℃	1530℃
Chemical Components		
ZrO ₂ + HfO ₂ + Y ₂ O ₃	≥99%	≥99%
Y ₂ O ₃	3.0%-5.0%	3.0%-5.0%
Al ₂ O ₃	< 0.15%	< 0.15%
Other Oxides	< 0.5%	< 0.5%

Smile

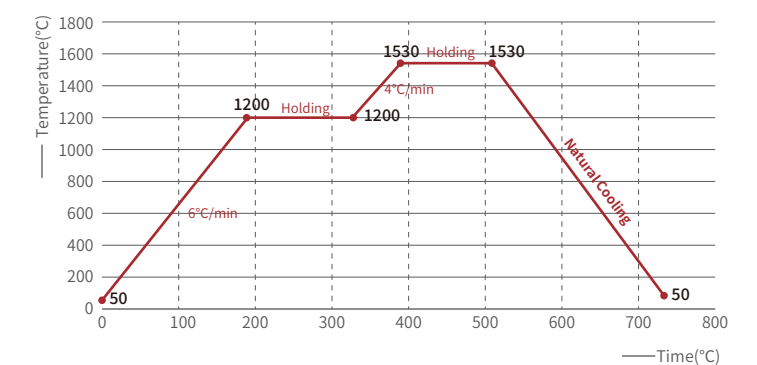
The perfect synergy of **monolithic strength** and **lifelike aesthetics**.

Zirconia Sintering Programme

- ① All series products have a uniform sintering temperature of **1530 °C**.
- ② Supports **1-hour** fast burning.

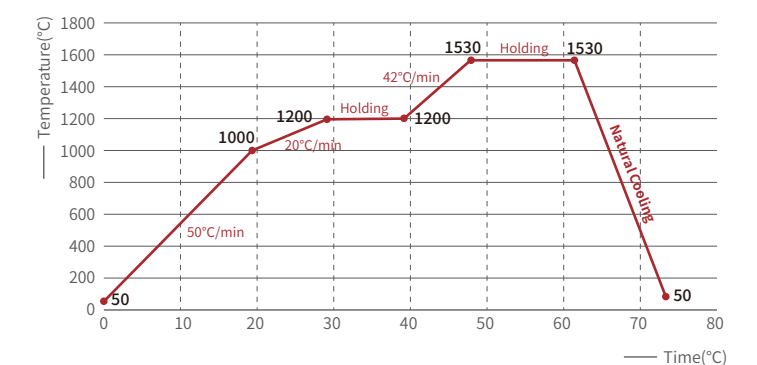
Ordinary Sintering Curve

STEP	Start temperature(°C)	End temperature(°C)	Time(min)
Step1	50	1200	190
Step2	1200	1200	120
Step3	1200	1530	80
Step4	1530	1530	120
Step5	1530	50	Natural Cooling



Rapid Sintering Curve

STEP	Start temperature(°C)	End temperature(°C)	Time(min)
Step1	50	1000	19
Step2	1000	1200	10
Step3	1200	1200	10
Step4	1200	1530	8
Step5	1530	1530	15
Step6	1530	50	Natural Cooling



*Sintering temperatures are recommendations. If necessary, carry out a trial sintering cycle and adapt the sintering temperatures or times as needed.
 Select a proper high-temperature sintering furnace to sinter the restorations.
 Please also refer to the operating instructions of the respective sintering furnace.

PEEK

- Easy to mill
- Optimal shape stability
- Biocompatibility

PEEK is a high-performance polymer that has been used as an implant material in the field of human medicine for over 35 years, and can be applied in oral restoration and dental implantation. Its mechanical material properties are similar to those of bone materials, and it can perfectly blend with bones.



Performance parameter	
Density	1.32g/cm³
Bending strength	163MPa
Module	four
Stamping strength	199KJ/m²
Color	Regular, white, pink, yellow
Size	10/12/14/16/18/20/22/25/30mm



PMMA

PMMA discs are 100% high quality resin material for making of crown and bridges which serve as temporary restorations, modules or night-guard.



Performance parameter	
Type	Flexible PMMA, Multilayer PMMA, normal PMMA
Color	Vita 16 color, BL1-BL4, clear, pink
Hardness	75-85 ° Shore
Melting point	240-270°C
Density	1:19
Ash	0.032%
Shrinkage	0.5%
Application	Dental CAD / CAM systems for resin plate, wax mold crown bridge denture prosthesis, temporary crown, night-guard etc.

Milling System	Dimension	Type	Color
Open CAD/CAM milling system	OD98*10-30mm	flexible PMMA, Multilayer PMMA, normal PMMA	Vita 16 color, BL1-BL4, clear, pink
Amann Girrbach CAD/CAM milling system	89*71*12mm-25mm	flexible PMMA, Multilayer PMMA, normal PMMA	Vita 16 color, BL1-BL4, clear, pink
Zirkonzahn CAD/CAM milling system	OD95*10mm-25mm	flexible PMMA, Multilayer PMMA, normal PMMA	Vita 16 color, BL1-BL4, clear, pink



Wax

The resin reinforced wax disc can 100% burn out without leaving any residue for CNC milling and casting using.



Performance parameter	
Color	Blue or white
Hardness	Shore 50–60
Softening temperature	102℃
Drip melting temperature	116℃
Density	0.89-0.9
Ash	0.032%
Shrinkage	5%

Milling System	Dimension	Color
Open CAD/CAM milling system	OD98*10mm-25mm	Blue, White
Amann Girrbach CAD/CAM milling system	89*71*12mm-25mm	Blue, White
Zirkonzahn CAD/CAM milling system	OD95*10mm-25mm	Blue, White

Excellent processability, no adhesion to milling tools, and convenient for manual milling, the thinnest teeth crown could reach 0.3mm.

High melting point, neither being melted due to high temperature during milling nor making inconvenience to machining due to high melting point.

Processed through special technique, totally eliminate the inner stress, the deformation during machining is decreased substantially.

Excellent anti-static property, easy for processing and cleaning.

Titanium block

- Made from grade 5 titanium alloy TiAl6V4.
- Exceptional gold-ceramic bonding properties.
- Extremely corrosion resistant.
- Excellent biocompatibility.
- Particularly patient friendly due to low thermal conductivity.
- Perfectly suitable for implant-supported restorations, superstructures, bars, abutments,crowns and bridges.

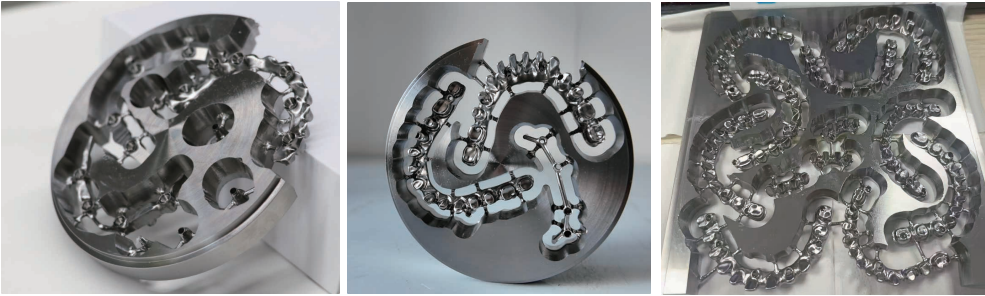


Round disc 98mm



Square plate 140X150mm

Performance parameter			
0.2%, specified non proportional elongation strength Rp0.2/MPa	860MPa	Max. firing temp. maximale	max. 950 °C
Young's modulus	110GPa	Linear expansion coefficient	10×10 ⁻⁶ K ⁻¹
Elongation after fracture	8%	Hardness	295HV10
Casting temperature	1700℃	Tarnish resistance	Yes
Melting temperature	1640-1670℃	Corrosion resistance	≤200µg/cm²
Density	4.4g/cm³	Tensile strength	885MPa
Size	10/12/14/16/18/20/22/25/30mm		



Glass ceramics

Lithium disilicate (LS2) glass-ceramic is ideally suitable for the fabrication of monolithic restorations or veneered restorations in the anterior and posterior region. Due to its natural-looking tooth colouring and excellent light-optical properties, Lithium disilicate produces impressive results.



Performance parameter			
	Name	Size	Pcs/Pack
	C14	18*15*13mm	5 pcs
	B40	40*15*15mm	

Technical Specifications	CAD CAM Blocks	Press Ingots
Density	2.49g/cm ³	2.49g/cm ³
Thermal Expansion(25-500 C)	11.4X10 ⁻⁶ /k	11.3X10 ⁻⁶ /k
Linear Shrinkage rate	0.25%	0.09%
Vickers Hardness	615 Hv	645 Hv
Elastic Modulus	75 GPa	83 GPa
Flexural Strength	420MPa	470MPa
Fracture Toughness	2.0MP·m ^{-1/2}	2.2MP·m ^{-1/2}



JINY's team conducted fundamental research from glass composition, reinvented dental glass forming system, and developed advanced dental glass-ceramic with unprecedented strength and outstanding appearance.



- 99.9% extra pure, bio-grade raw materials from natural minerals
- Melted in self-developed platinum system at up to 1700°C
- One-step forming technology, eliminating surface defects
- Optical grade precise heat-treatment for nucleation and crystalization
- Fluorescence and opalescence that mimic real teeth appearance

- 
- Easy milling, prolong the service life of burs;
 - Simple and rapid crystallization process to reduce operating time;
 - Excellent esthetics and high strength;
 - Every time without glaze, the unique color change effect to ensure perfect repairing effect;
 - Natural-looking esthetics irrespective of the preparation shade;
 - Clinical long-term success and scientifically documented results;

Dental Glass-Ceramic for CAD/CAM and Pressing Technology

Compatible with most milling machines and hot-pressing equipment

		Direct-mill	Dazzling	Amber	CAD	Pro	Pro Implant	Implant	Pressing
									
Indications	Ultra-thin Veneers		●	●	●	●			●
	Inlays Onlays Veneers	●		●	●	●			●
	Anterior Single Crowns	●	●	●	●	●	Chairside implant	Chairside implant	●
	Molar Single Crowns	●		●	●	●	Chairside implant	Chairside implant	●
	Implant Ceramic Blocks Personalized Abutment					●	Ceramic blocks	Ceramic blocks	
	Anterior 3-unit Bridge				●	●			
	Molar3-unit Bridge					●			
Three Point Flexural Strength (MPa)		280MPa	280MPa	360MPa	420MPa	800MPa	800MPa	420MPa	470MPa
Biaxial Flexural Strength (MPa)		410MPa	410MPa	520MPa	580MPa	1000MPa	1000MPa	580MPa	600MPa
Processing Method		← CAD/CAM (Sintering Free) →			← CAD/CAM and sintering →				Heat-pressed
Enamelling Low-temperature Glaze			Dazzling	●	●	●	●	●	
Translucency & Shade	HT	A1 A2 A3 A3.5 B1 B2 C1 D2 BL1 BL2 BL3 BL4		BL1(Amethyst) BL1(White Jade) BL1(Yellow Amber)	A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 BL1 BL2 BL3 BL4	A1 A2 A3 A3.5 B1 B2 C1 D2 BL1 BL2 BL3	A1 A2 A3 B1 BL1 BL2	A1 A2 A3 B1 BL1 BL2	A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 BL1 BL2 BL3 BL4
	MT		BL1 BL2 BL3		A1 A2 A3 BL1 BL2 BL3 BL4				BL1
	LT	A1 A2 A3 A3.5 B1 B2 C1 D2 BL1 BL2 BL3 BL4			A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 BL1 BL2 BL3 BL4	A1 A2 A3 A3.5 B1 B2 C1 D2 BL1 BL2 BL3	A1 A2 A3 B1 BL1 BL2	A1 A2 A3 B1 BL1 BL2	A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 BL1 BL2 BL3 BL4
Specifications		C14	C14	C14	C14/B40		A16L	A16L	

Superior Performance

Our Milling Burs are designed for exceptional performance,delivering faster, accurate and durable results.



Exceptional
Durability



High Heat
Tolerance



Smooth and
Polished Finish



Sharp and durable Allowing for fast milling

Excellent stability with high precision dimensions, tolerance of 0.005 µm
Professional nano-coating from CemeCon in Germany



First developed globally

Milling burs

Only by choosing a first-class tool will you also achieve first-classresults. The tool is the decisive element between your dental milling machine and the material to be machined.

For this purpose, the JINY tool specialists constantly research anddevelop together with material manufacturers and laboratoryusers in order to produce the best possible tools.

										
Zirconia milling burs										
D=Shank diameter										
3.175	3.175	3.175	4	4	4	6	6	6	6	6
18	18	10	16	16	8	20	20	8	16	16
2.0	1.0	0.6	2.0	1.0	0.6	2.0	1.0	0.6	1.0	1.5
45	45	45	45	45	45	50	50	50	50	50

								
Glass ceramics milling burs						PMMA milling burs		
D=Shank diameter						D=Shank diameter		
4	4	4	6	6	6	6	6	6
15	12	10	13	10	8	16	16	8
2.0	1.0	0.6	2.0	1.0	0.6	2.0	1.0	0.6
45	45	45	50	50	50	50	50	50

										
Metal milling burs										
D=Shank diameter										
6	6	6	6	6	6	6	6	6	6	6
15	12	10	3	5	7	5	13	10	15	14
3.0	2.0	1.0	0.5	2.0	2.0	1.0	1.5	2.0	2.5	1.5
50	50	50	50	50	50	50	50	50	50	50

For more milling burs, please refer to the JINY milling burs brochure.

Pre-milled Abutment

Compatible with numerous planting systems

Premill abutments are used as raw material for CAM fabrication of customized titanium abutments. implant connection is pre-fabricated with the exact tolerances, ensuring perfect fit of implant abutment connection.



Advantages & Features

Carefully selected materials

The cuttable abutment post and central screw are made of titanium alloy, which is strong, tough, and biocompatible. The central screw is not easy to break and will not cause allergies to the gums, allowing patients to wear it for longer and more comfort.

High-precision machine tool processing

The machined abutment post interface is designed with high precision and is processed using imported high-precision CNC equipment to ensure that the interface fits the implant perfectly, effectively preventing screw loosening, reducing inflammation, and ensuring long-term stable occlusal load for patients.

Personalized form design

Depending on the brand and location of the implant, a corresponding cuttable abutment can be selected to create a personalized shape that meets a wider range of clinical indications.

Target Audience

Suitable for all types of people who require dental implant restoration.



Dental implant restoration

Compatible with numerous planting systems



DENTAL MILLING

We offer a variety of milling machines with different functions.

- Wet & dry
- Dental clinic & dental lab
- Multiple spindle power choices
- Multiple fixture options
- Equipped with remote monitoring
- High-precision milling



F5Z

Chairside 5-axis dry dental milling machine

PRODUCT INTRODUCTION

- 

Exceptional precision
- 

Tremendous stability
- 

Auto tools changer
- 

Outstanding reliability
- 

Compact and lightweight



Performance advantages

- ✓ High performance spindle power with auto tool changer;
- ✓ Integrated high-strength structure for high-precision milling;
- ✓ Automatic equipment calibration, no manual operation is required;
- ✓ Compact and lightweight, outstanding appearance, easy to learn operating system;
- ✓ It can achieve 90 ° vertical milling, with clear product contours and distinct textures.

Detail Effect



Technical parameter

Model	F5Z		
Tools	8		
Machine size	753X470X640mm(Excluding foot cups)		
Net weight	150kg		
Input voltage	220V		
Spindle power	0.5kW		
Max. machine power	1.2kW		
Milling mode	Dry milling		
Cooling mode	Air cooling		
Spindle speed	3,000-60,000rpm		
Milling angle	A-axis 360° B-axis +30° -90°		
Milling materials	Zirconia,PEEK,PMMA,Wax....		
Average milling time	Zirconia 7-15 min	PMMA 8-12min	Wax 6-10min

F5DW

Chairside 5-axis wet & dry dental milling machine

PRODUCT
INTRODUCTION

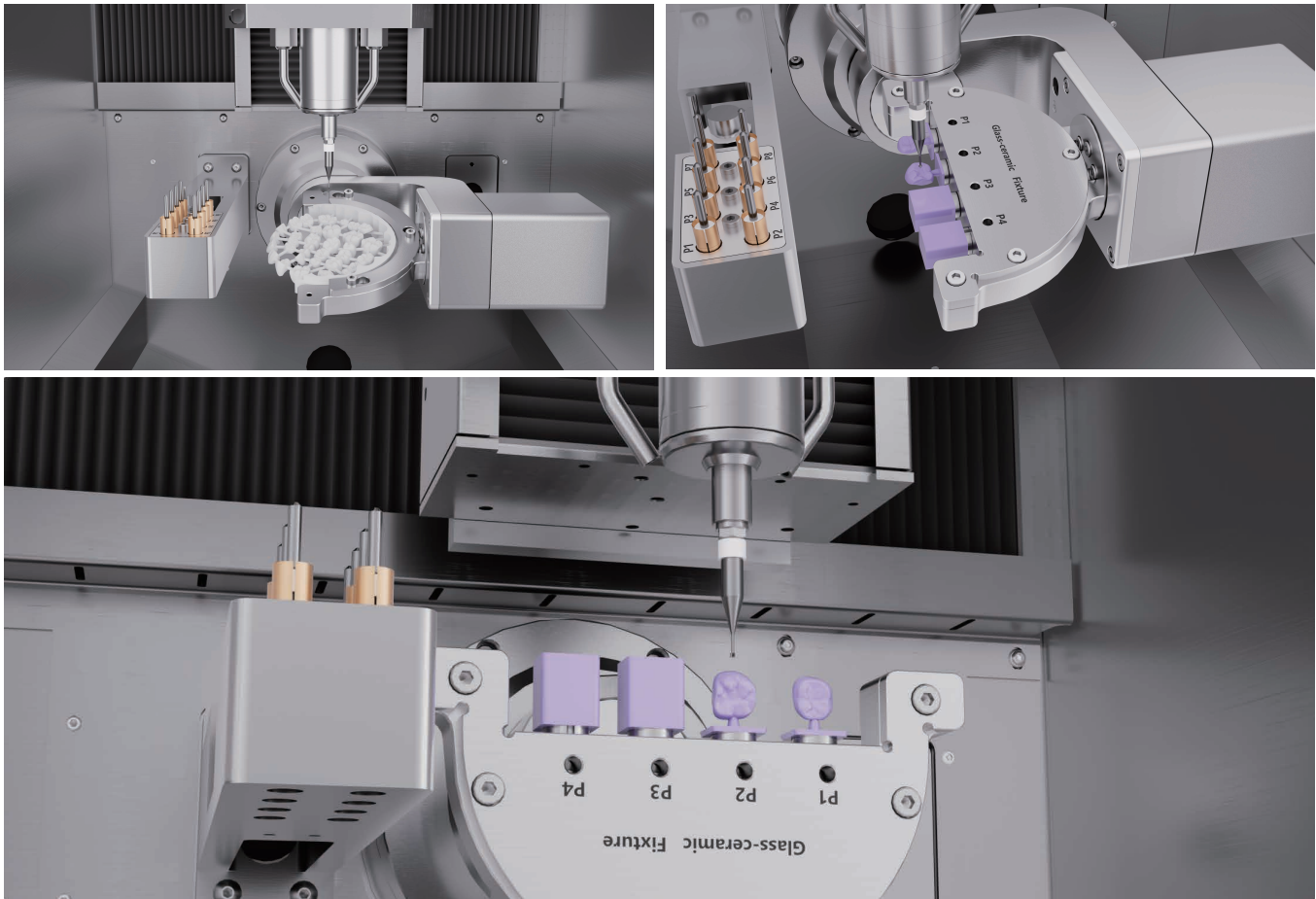
- Wet & dry milling
- Exceptional precision
- Tremendous stability
- Auto tools changer
- Outstanding reliability
- Multiple fixture



Performance advantages

- √ Stable structure with a cast iron body;
- √ 5-axis milling with a B-axis rotation range of up to 90° vertical milling;
- √ Dry and wet switchable, is an indispensable machine in dental clinics;
- √ Outstanding performance, highly sealed processing chamber, better dust resistance and high precision;
- √ Powerful computer with built-in Windows system, equipped with upgraded CNC system software, makes the operation smoother and more convenient.

Detail Effect



Technical parameter

Model	F5DW
Tools	8
Machine size	790X470X640mm(Excluding foot cups)
Net weight	150kg
Input voltage	220V
Spindle power	0.5kW
Max. machine power	1.2kW
Milling mode	Dry & wet milling
Cooling mode	Air cooling
Spindle speed	3,000-60,000rpm
Milling angle	A-axis 360° B-axis +30° -90°
Milling materials	Zirconia,glass ceramics,premilled abutment,PEEK,PMMA,Wax....
Average milling time	Glass ceramics 15-30min abutment 8-13min zirconia 7-15min PMMA 8-12min

F4T

Chairside 4-axis abutment dental milling machine

PRODUCT INTRODUCTION

- 

Exceptional precision
- 

Tremendous stability
- 

Auto tools changer
- 

Outstanding reliability
- 

Multiple fixture
- 

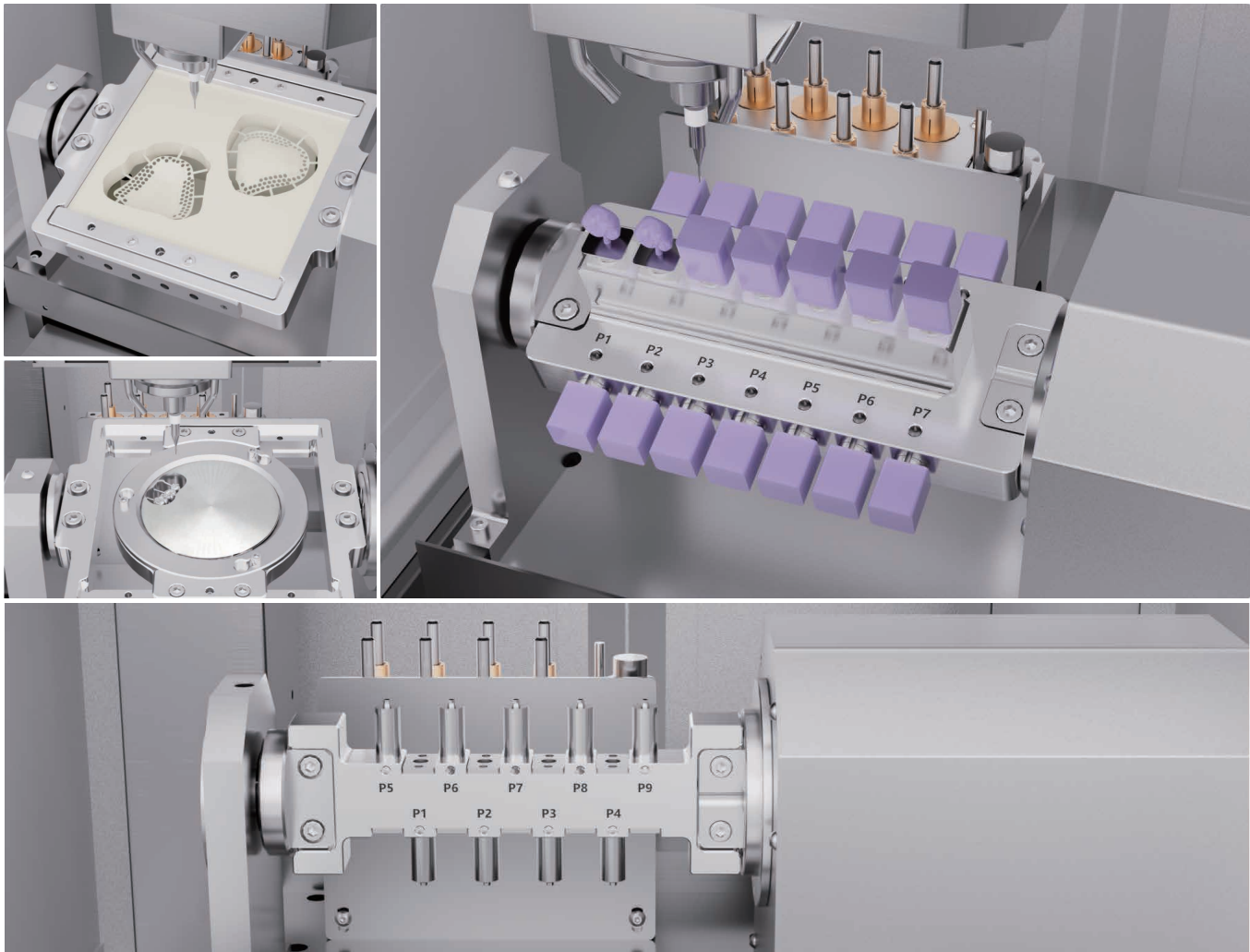
Vertical structure



Performance advantages

- √ Comes with automatic calibration function;
- √ Design of integral sealed working chamber;
- √ Vertical cutting equipment with stable body and high precision;
- √ Wide applicability, capable of processing various materials, fast cutting of hard materials;
- √ Professional processing of titanium crowns, inlay,onlay, veneers, premilled abutments, etc.

Detail Effect



Technical parameter

Model	F4T
Tools	8
Machine size	405X590X1560mm(Excluding foot cups)
Net weight	424kg
Input voltage	220V
Spindle power	1.8kW
Max. machine power	3.5kW
Fixture	Round disc:98mm/Square plate:140*150mm
Milling mode	Wet milling
Cooling mode	Water cooling
Spindle speed	3,000-60,000rpm
Milling angle	A-axis 360°
Milling materials	Premilled abutment,glass ceramics,titanium crown,PEEK,PMMA,Wax....
Average milling time	Glass ceramics 15-30min abutment 8-13min titanium crown 15-30min

F5T Pro

Chairside 5-axis metal dental milling machine

PRODUCT INTRODUCTION

- 

Exceptional precision
- 

Tremendous stability
- 

Auto tools changer
- 

Outstanding reliability
- 

Multiple fixture
- 

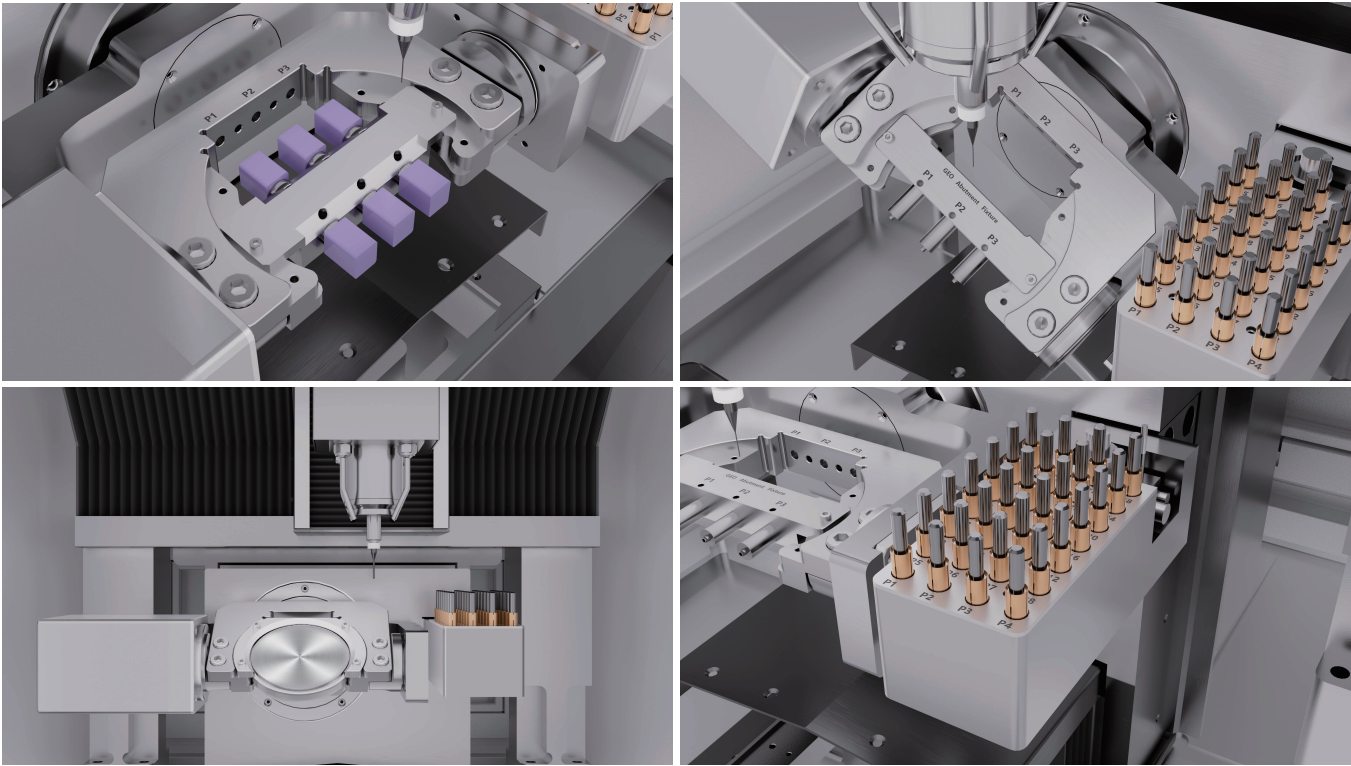
Vertical structure



Performance advantages

- ✓ One-piece cast iron structure, stable body, long service life;
- ✓ Automatic equipment calibration, no manual operation is required;
- ✓ Outstanding appearance, simple and easy-to-learn operating system;
- ✓ Wide applicability, can process a variety of materials, fast milling of hard materials;
- ✓ Can mill titanium square discs, can process multiple rod clips and cable trays at once, saving costs;
- ✓ Outstanding performance, highly sealed processing chamber, better dust protection, high precision;
- ✓ Safe and worry-free, automatic start and stop when the door opens and closes, reducing safety hazards, automatic peration after breakpoints.

Detail Effect



Technical parameter

Model	F5T PRO
Tools	28
Machine size	923X735X1706mm(Excluding foot cups)
Net weight	716kg
Input voltage	220V
Spindle power	2.5kW
Max. machine power	4.5kW
Fixture	Round disc:98mm
Milling mode	Wet milling
Cooling mode	Water cooling
Spindle speed	3,000-60,000rpm
Milling angle	A-axis 360° B-axis ±30°
Milling materials	Titanium block,premilled abutment,glass ceramics,PEEK,PMMA,Wax....
Average milling time	Glass ceramics 15-30min abutment 8-13min Implant bar 90-150min Implant bridge 90-180min

M5Z

Chairside 5-axis dry dental milling machine

PRODUCT INTRODUCTION

- 

Real-time monitoring
- 

Exceptional precision
- 

Tremendous stability
- 

Plug and play
- 

Compact and lightweight
- 

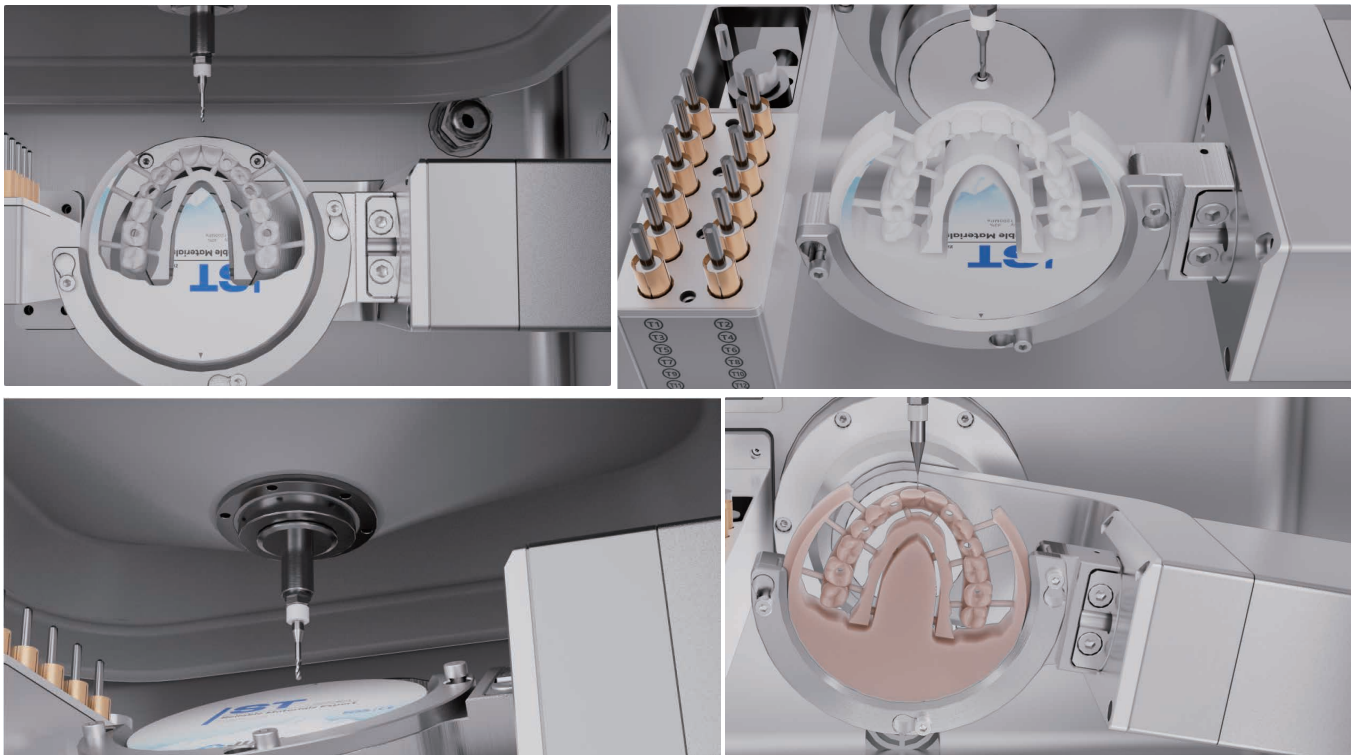
One piece strcure



Performance advantages

- √ servo motor on 5 axis from top brand;
- √ Upgrade silica gel dust-proof and sound-absorbing cover;
- √ Built-in high-definition camera, remote control and detection equipment;
- √ Reliable three-year manufacturing experience of electric spindle machine;
- √ The inner chamber is made of one-piece cast aluminum, which is compact, stable and strong;
- √ Powerful computer with built-in Windows system, equipped with upgraded CNC system software, makes the operation smoother and more convenient.

Detail Effect



Technical parameter

Model	M5Z		
Tools	12		
Machine size	703X435X650mm(Excluding foot cups)		
Net weight	110kg		
Input voltage	220V		
Spindle power	0.5kW		
Max. machine power	1.2kW		
Milling mode	Dry milling		
Cooling mode	/		
Spindle speed	3,000-60,000rpm		
Milling angle	A-axis 360° B-axis ±30°		
Milling materials	Zirconia,PEEK,PMMA,Wax....		
Average milling time	Zirconia 7-15 min	PMMA 8-12min	Wax 6-10min

M5DW

Chairside 5-axis wet & dry dental milling machine

PRODUCT INTRODUCTION



One piece strcure



Real-time monitoring



Exceptional precision



Tremendous stability



Plug and play



Millable material



Performance advantages

- √ servo motor on 5 axis from top brand;
- √ Upgrade silica gel dust-proof and sound-absorbing cover;
- √ Built-in high-definition camera, remote control and detection equipment;
- √ Reliable three-year manufacturing experience of electric spindle machine;
- √ Multiple fixtures are available, offering a wider selection of milling materials;
- √ The inner chamber is made of one-piece cast aluminum, which is compact, stable and strong;
- √ Powerful computer with built-in Windows system, equipped with upgraded CNC system software, makes the operation smoother and more convenient.

Detail Effect



Technical parameter

Model	M5DW		
Tools	18		
Machine size	741X443X715mm		
Net weight	127kg		
Input voltage	220V		
Spindle power	0.5kW		
Max. machine power	1.2kW		
Milling mode	Wet & dry milling		
Cooling mode	/		
Spindle speed	3,000-60,000rpm		
Milling angle	A-axis 360° B-axis ±30°		
Milling materials	Zirconia,premilled abutment,glass ceramics,PEEK,PMMA,Wax....		
Average milling time	Glass ceramics 15-30 min	Abutment 8-13min	PMMA 8-12min

T52DW

Chairside high-end appearance dental milling machine

PRODUCT INTRODUCTION



Wet & dry milling



Real-time monitoring



Exceptional precision



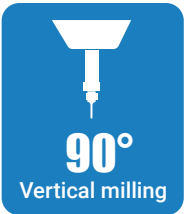
Tremendous stability



Telescopic sealed tool magazine



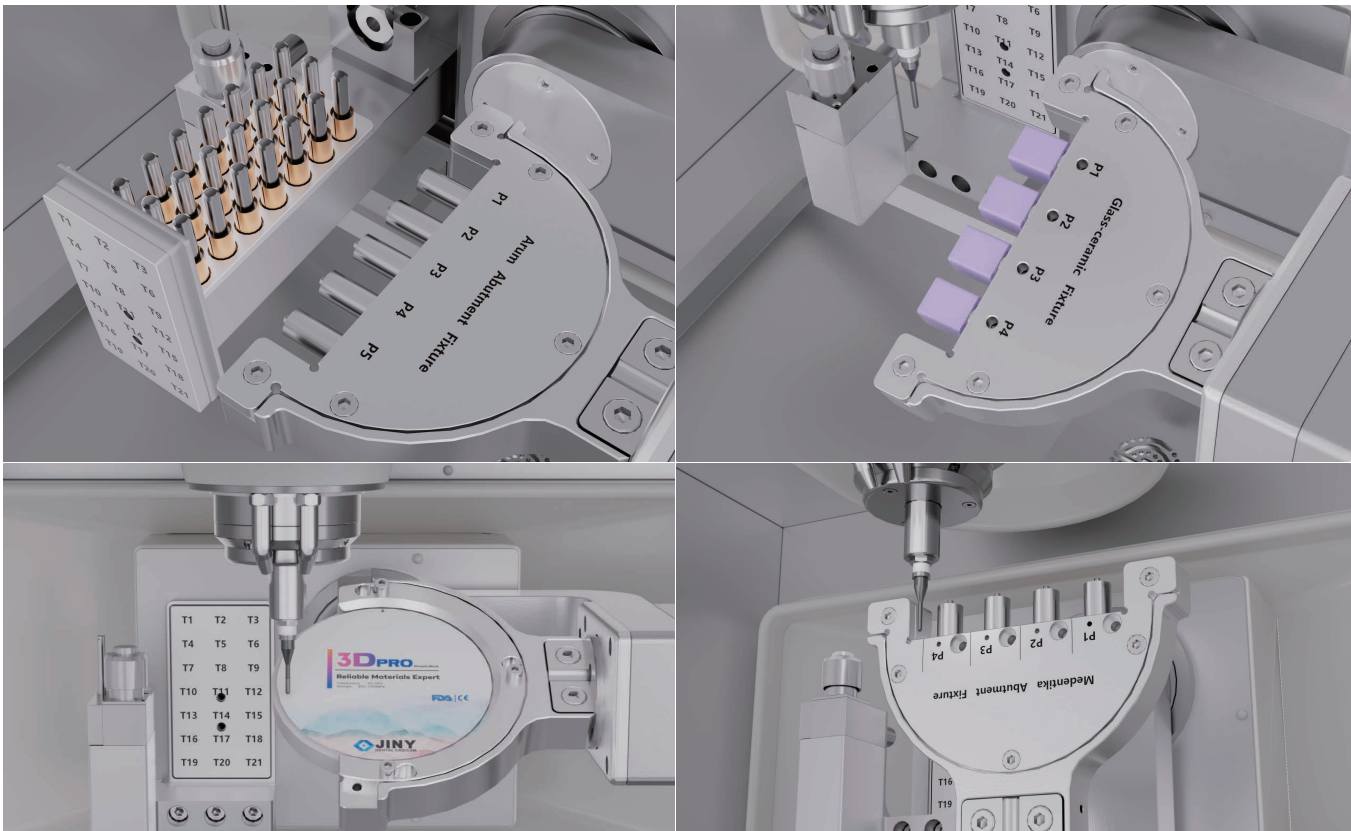
Millable material



Performance advantages

- ✓ servo motor on 5 axis from top brand;
- ✓ Upgrade silica gel dust-proof and sound-absorbing cover;
- ✓ Built-in high-definition camera, remote control and detection equipment;
- ✓ Reliable three-year manufacturing experience of electric spindle machine;
- ✓ Multiple fixtures are available, offering a wider selection of milling materials;
- ✓ The inner chamber is made of aluminum plate procurement, which is compact, stable and strong;
- ✓ The retractable tool magazine saves space, enables automatic tool changing, and protects against dust for efficient, unattended dental milling.

Detail Effect



Technical parameter

Model	T52DW		
Tools	21		
Machine size	731X680X1764mm		
Net weight	428kg		
Input voltage	220V		
Spindle power	2.5kW		
Max. machine power	3.5kW		
Milling mode	Wet & dry milling		
Cooling mode	Water cooling		
Spindle speed	3,000-60,000rpm		
Milling angle	A-axis 360° B-axis +30° -90°		
Milling materials	Zirconia,titanium block,premilled abutment,glass ceramics,PEEK,PMMA,Wax....		
Average milling time	Zirconia 7-15 min	Implant bridge 90-180min	PMMA 8-12min
	Glass ceramics 15-30 min	Abutment 8-13min	

JDM5Z

Dental lab 5-axis zirconia dental milling machine

PRODUCT INTRODUCTION

- 

New digital intellectual system
- 

Exceptional precision
- 

Tremendous stability
- 

One piece strcure
- 

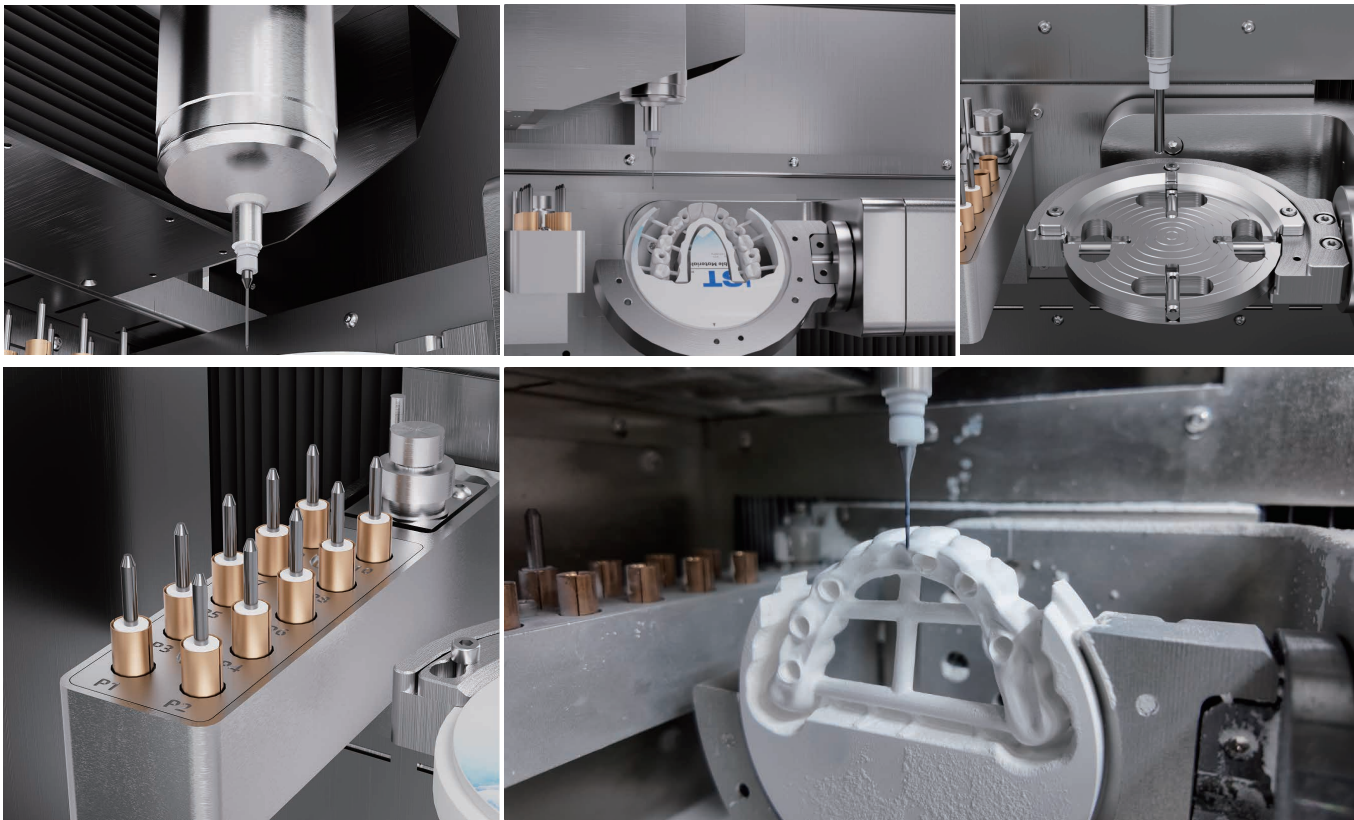
Auto tools changer



Performance advantages

- √ This device is a classic model,with full servo motor;
- √ Professional processing zirconia large angle machine;
- √ High stability and precision,the accuracy can reach $\pm 0.01\text{mm}$;
- √ Reliable three-year manufacturing experience of electric spindle machine;
- √ The inner chamber is made of one-piece cast iron structure, which is compact, stable and strong;
- √ With 90° vertical milling, the spindle engages the material directly, ensuring sharp vertical walls and perfect interproximal contours for dental restorations.

Detail Effect



Technical parameter

Model	JDM5Z		
Tools	10		
Machine size	631X608X682mm(Excluding foot cups)		
Net weight	222kg		
Input voltage	220V		
Spindle power	0.5kW/Optional 1.8kW		
Max. machine power	2.2kW/Optional 1.8kW spindle with total machine power of 3.6kW		
Milling mode	Dry milling		
Cooling mode	Air cooling/Water cooling(if you choose 1.8kw spindle power)		
Spindle speed	3,000-60,000rpm		
Milling angle	A-axis 360° B-axis $\pm 30^\circ$		
Milling materials	Zirconia,PEEK,PMMA,Wax....		
Average milling time	Zirconia 7-15 min	PMMA 8-12min	Wax 6-10min

JDM5DW

Dental lab 5-axis wet & dry dental milling machine

PRODUCT INTRODUCTION



Wet & dry milling



New digital intellectual system



Exceptional precision



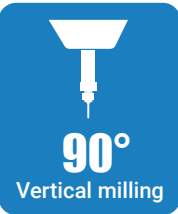
Tremendous stability



Multiple fixture



Auto tools changer

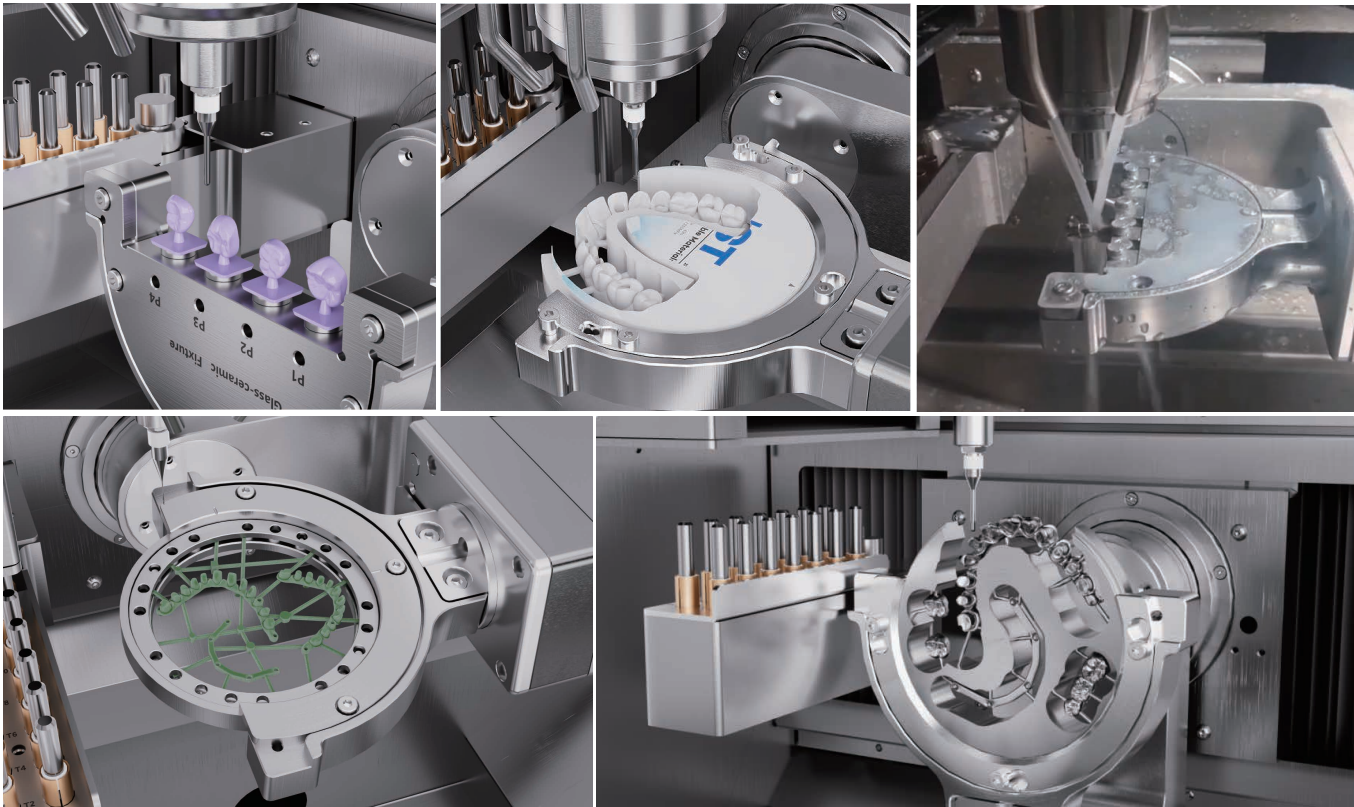


Base cabinet is optional

Performance advantages

- ✓ High-performance-to-cost ratio milling machine;
- ✓ It can switch between dry and wet milling, and can cut a wider range of materials;
- ✓ Featuring premium imported key components for superior stability and milling quality;
- ✓ With machining accuracy reaching $\pm 0.01\text{mm}$, it ensures consistently top-tier finished product quality;
- ✓ Equipped with a precision-bearing spindle, it delivers powerful performance for effortless metal processing;
- ✓ Simple operation and easy maintenance enable higher profitability, supporting high-capacity manufacturing plants.

Detail Effect



Technical parameter

Model	JDM5DW		
Tools	21		
Machine size	642X642X722mm(Excluding foot cups)		
Net weight	233kg		
Input voltage	220V		
Spindle power	2.5kW		
Max. machine power	3.5kW		
Milling mode	Wet & dry milling		
Cooling mode	Water cooling		
Spindle speed	3,000-60,000rpm		
Milling angle	A-axis 360° B-axis +30° -90°		
Milling materials	Titanium block,glass ceramics,premilled abutment,zirconia,PEEK,PMMA,Wax....		
Average milling time	Zirconia 7-15 min implant bridge 90-180min	glass ceramics 15-30min premilled abutment 8-13min	titanium crown 15-20min PMMA 8-12min

JDM5Z Pro

Dental lab 12-station auto discs changer dental milling machine

PRODUCT
INTRODUCTION

- 

12
DISCS

Auto discs
changer
- 

New digital
intellectual system
- 

Exceptional
precision
- 

Tremendous
stability
- 

Auto tools
changer



Performance advantages

- ✓ It can work 24/7 uninterrupted operation, reducing labor costs;
- ✓ Automatic equipment calibration, no manual operation is required;
- ✓ Marble structure with high performance spindle power to milling many materials;
- ✓ It can achieve 90 ° vertical milling, with clear product contours and distinct textures;
- ✓ The automatic tool changer system is equipped with 8 milling burs to meet all case needs;
- ✓ Utilizes grade ball screws, which ensure zero errors during the machining process and guarantee the quality of the machining.

Detail Effect



Technical parameter

Model	JDM5Z Pro		
Tools	8		
Machine size	1051X830X715mm(Excluding foot cups)		
Net weight	397kg		
Input voltage	220V		
Spindle power	0.5kW		
Max. machine power	1.5kW		
Auto disc changer	12		
Milling mode	Dry milling		
Cooling mode	Air cooling		
Spindle speed	3,000-60,000rpm		
Milling angle	A-axis 360° B-axis +30° -90°		
Milling materials	Zirconia,PEEK,PMMA,Wax....		
Average milling time	Zirconia 7-15 min	PMMA 8-12min	Wax 6-10min

JDM5DC

Dental lab 24-station auto discs changer dental milling machine

PRODUCT INTRODUCTION



Wet & dry milling



Auto disc changer



New digital intellectual system



Exceptional precision



Tremendous stability



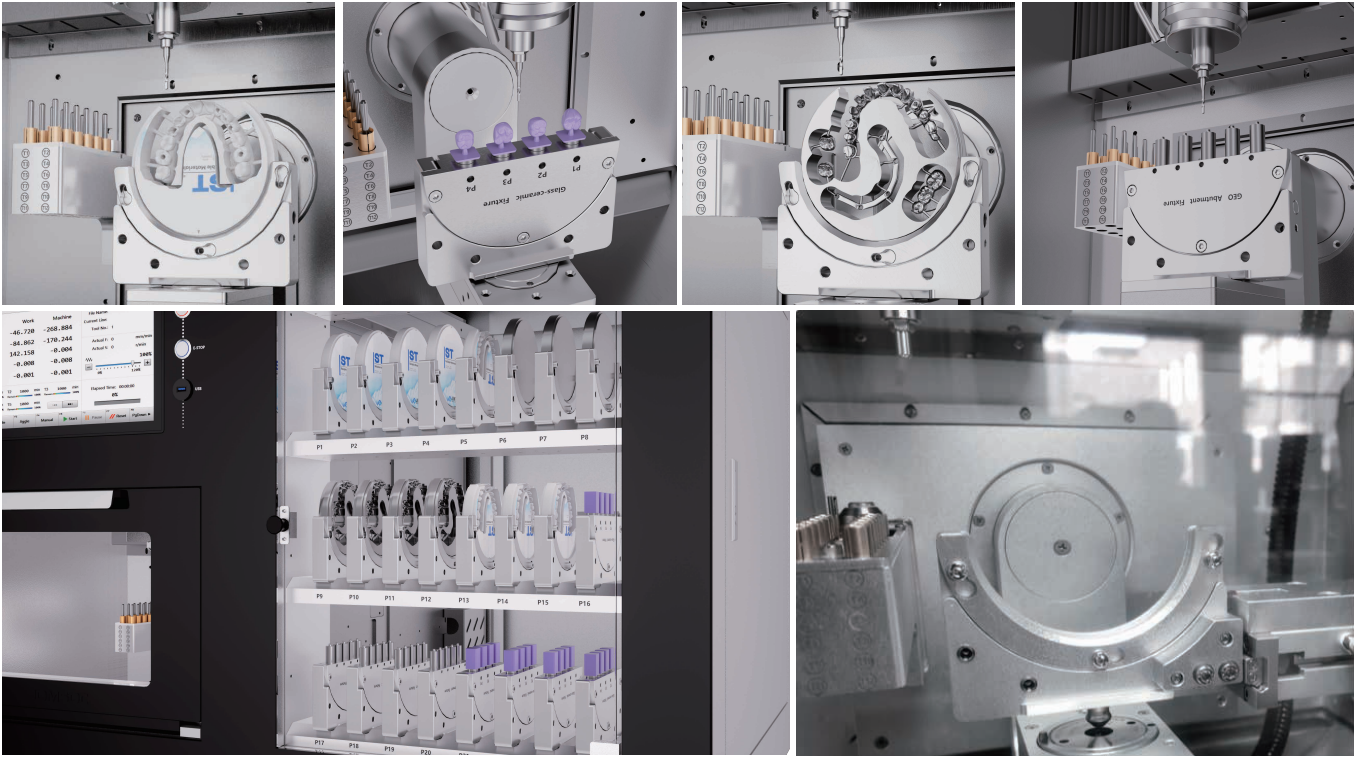
Auto tools changer



Performance advantages

- ✓ Optional wet cutting mode to mill more materials;
- ✓ Automatic calibration of equipment, no manual operation is required;
- ✓ Equipped with real-time monitoring cameras, no manual duty required;
- ✓ The new closed-loop marble structure offers stability and high precision;
- ✓ 12 automatic switching of tools, stable milling function, is a good partner in the laboratory;
- ✓ The C-type fixture and +30 ° milling of the B-axis can achieve higher precision cutting of the front teeth;
- ✓ Outstanding performance, highly sealed processing chamber, better dust resistance, and high precision.

Detail Effect



Technical parameter

Model	JDM5DC
Tools	12
Machine size	1083X871X1585mm(Excluding foot cups)
Net weight	525kg
Input voltage	220V
Spindle power	1.8kW
Max. machine power	3.2kW
Milling mode	Dry milling(Optional wet milling)
Cooling mode	Water cooling
Spindle speed	3,000-60,000rpm
Milling angle	A-axis 360° B-axis +30° -90°
Milling materials	Titanium block,glass ceramics,premilled abutment,zirconia,PEEK,PMMA,Wax....
Average milling time	(Dry milling)zirconia 7-15min PMMA 8-12min (Wet milling)Glass ceramics 15-30min titanium crown 15-20min abutment 8-13min

JDM5Z Robot

Dental lab 5-Axis wet & dry milling machine

PRODUCT INTRODUCTION

- 

Wet & dry milling
- 

Real-time monitoring
- 

AI Crawl disc
- 

Vertical milling
- 

HD touch screen
- 

One piece strcure



Performance advantages

- ✓ Optional wet milling mode to mill more materials;
- ✓ Automatic calibration of equipment, no manual operation is required;
- ✓ Equipped with real-time monitoring cameras, no manual duty required;
- ✓ When paired with a robot, it enables continuous 24/7 uninterrupted operation;
- ✓ 8 automatic switching of tools, stable cutting function, is a good partner in the laboratory;
- ✓ The C-type fixture and $\pm 30^\circ$ milling of the B-axis can achieve higher precision milling of the front teeth;
- ✓ Outstanding performance, highly sealed processing chamber, better dust resistance, and high precision.

Detail Effect



Technical parameter

Model	JDM5Z Robot
Tools	8
Machine size	752X470X690mm(Excluding foot cups)
Net weight	148kg
Input voltage	220V
Spindle power	0.5kW
Max. machine power	1.2kW
Milling mode	Dry & wet milling
Cooling mode	Air cooling
Spindle speed	3,000-60,000rpm
Milling angle	A-axis 360° B-axis $\pm 30^\circ$
Milling materials	Zirconia,glass ceramics,premilled abutment,PEEK,PMMA,Wax...
Average milling time	(Dry milling)zirconia 7-15min PMMA 8-12min (Wet milling)Glass ceramics 15-30min

JDM4T

Dental lab 4-axis abutment dental milling machine

PRODUCT INTRODUCTION



Exceptional precision



Tremendous stability



Auto tools changer



Outstanding reliability



Multiple fixture



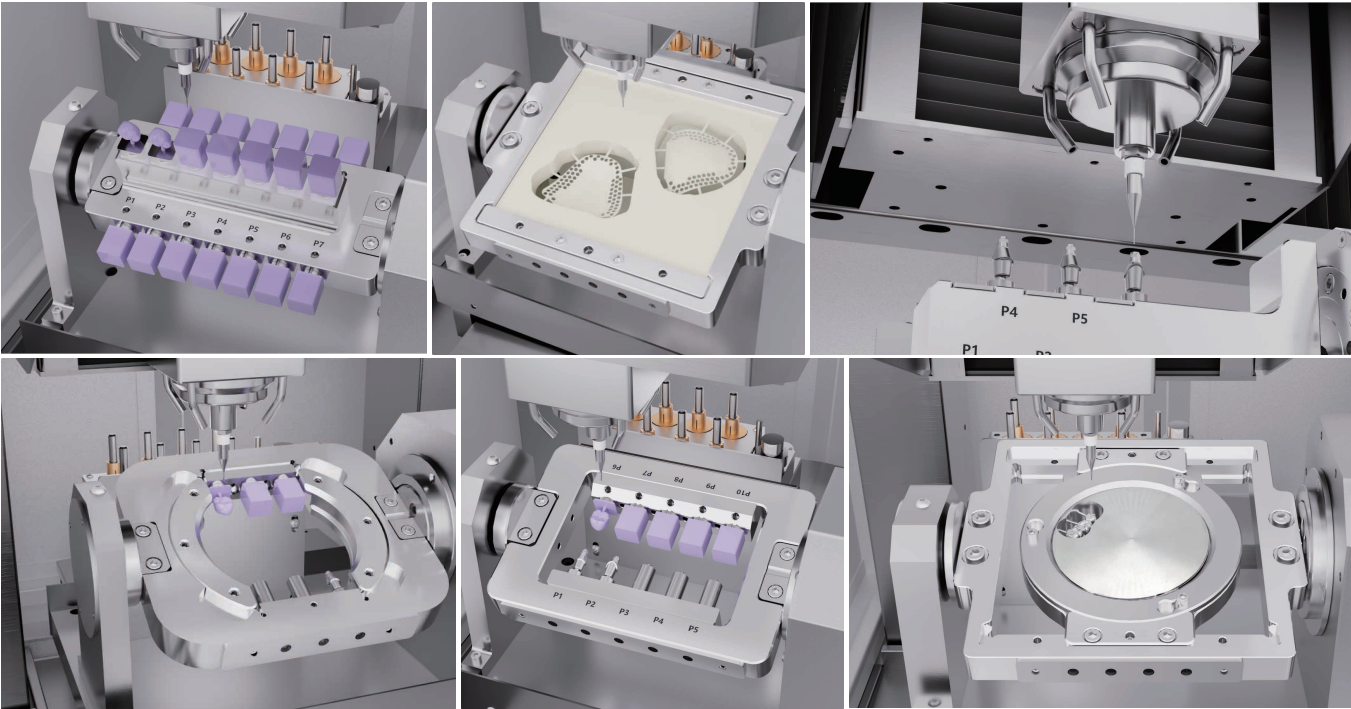
Vertical structure



Performance advantages

- ✓ Comes with automatic calibration function;
- ✓ Design of integral sealed working chamber;
- ✓ 90° Vertical milling equipment with stable body and high precision;
- ✓ Wide applicability, capable of processing various materials, fast milling of hard materials;
- ✓ Professional processing of titanium crowns, inlay,onlay, veneers, premilled abutments and etc...

Detail Effect



Technical parameter

Model	JDM4T
Tools	8
Machine size	566X611X1542mm(Excluding foot cups)
Net weight	391kg
Input voltage	220V
Spindle power	1.8kW
Max. machine power	3.5kW
Fixture	Round disc:98mm/Square plate:140*150mm
Milling mode	Wet milling
Cooling mode	Water cooling
Spindle speed	3,000-60,000rpm
Milling angle	A-axis 360°
Milling materials	Premilled abutment,glass ceramics,titanium crown,PEEK,PMMA,Wax....
Average milling time	Glass ceramics 15-30min abutment 8-13min titanium crown 15-30min

JDM5T Pro

Dental lab 5-Axis Implant dental milling machine

PRODUCT INTRODUCTION



Vertical milling



Exceptional precision



Auto tools changer



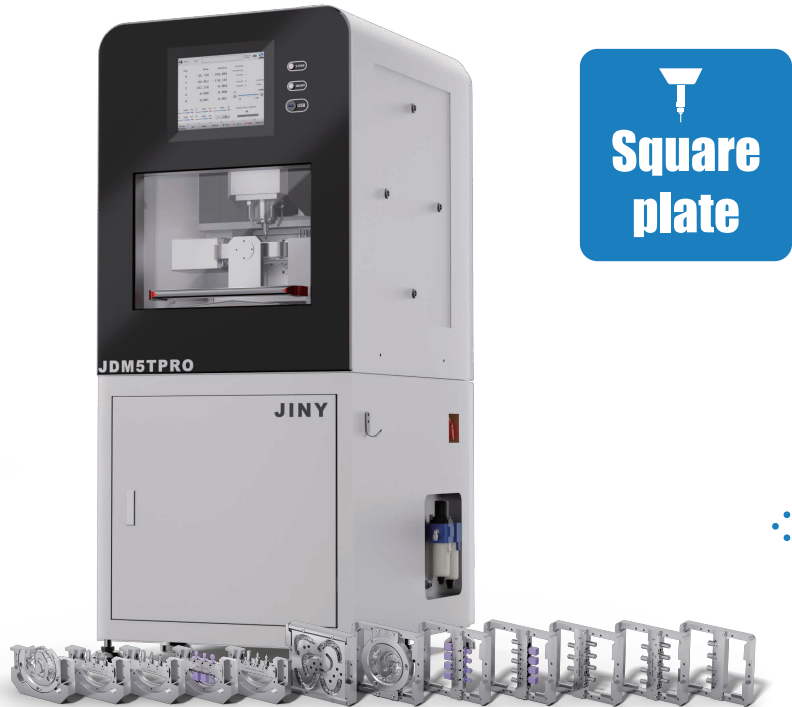
New digital intellectual system



Multiple fixture



Vertical structure



Square plate

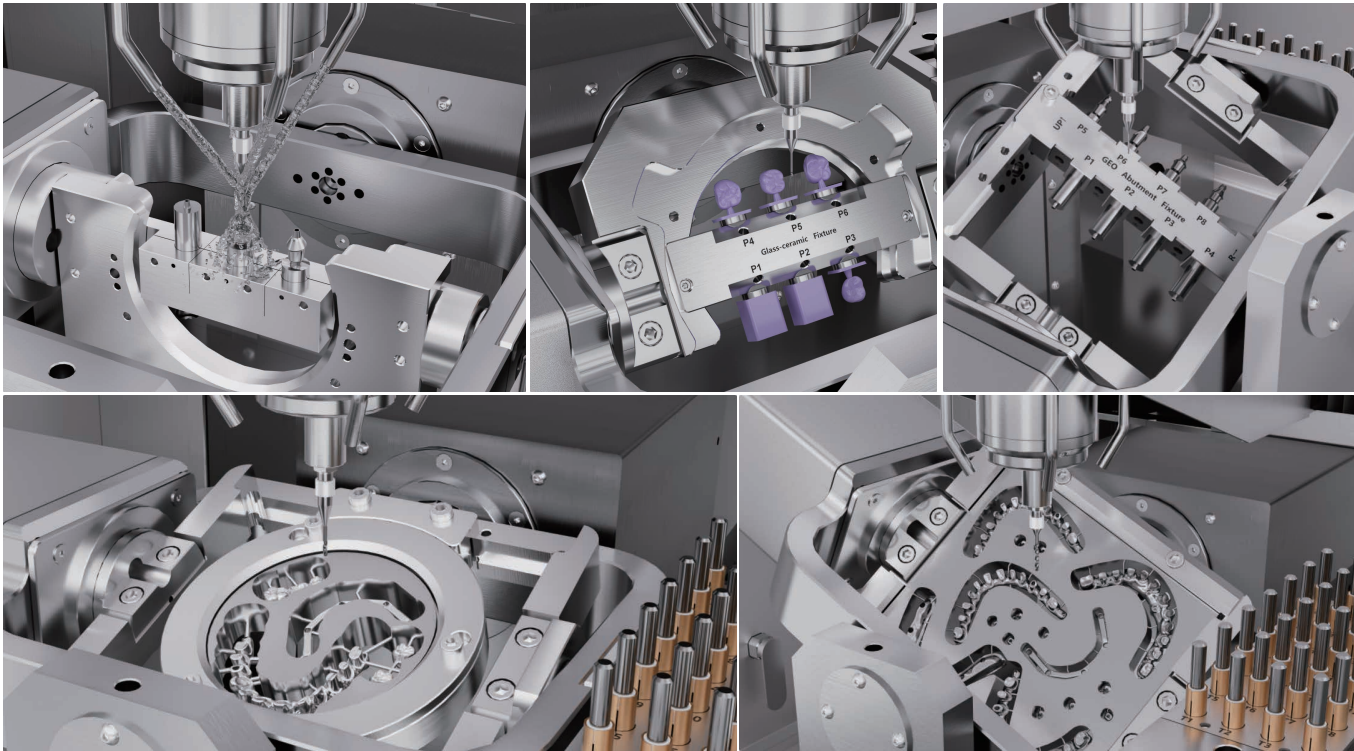


Various fixtures are available

Performance advantages

- ✓ One-piece cast iron structure, stable body, long service life;
- ✓ Automatic equipment calibration, no manual operation is required;
- ✓ Outstanding appearance, simple and easy-to-learn operating system;
- ✓ Wide applicability, can process a variety of materials, fast milling of hard materials;
- ✓ Can mill titanium square discs, can process multiple rod clips and cable trays at once, saving costs;
- ✓ Outstanding performance, highly sealed processing chamber, better dust protection, high precision;
- ✓ Safe and worry-free, automatic start and stop when the door opens and closes, reducing safety hazards, automatic operation after breakpoints.

Detail Effect



Technical parameter

Model	JDM5T PRO
Tools	28
Machine size	901X723X1606mm(Excluding foot cups)
Net weight	696kg
Input voltage	220V
Spindle power	2.5kW
Max. machine power	4.5kW
Fixture	Round disc:98mm/Square plate:140*150mm
Milling mode	Wet milling
Cooling mode	Water cooling
Spindle speed	3,000-60,000rpm
Milling angle	(Square Plate)A-axis 360° B-axis ±22° (Round disc)A-axis 360° B-axis ±30°
Milling materials	Premilled abutment,glass ceramics,titanium block,PEEK,PMMA,Wax....
Average milling time	Glass ceramics 15-30min abutment 8-13min Implant bar 90-150min Implant bridge 90-180min

JDM5 MAX

Dental lab All in one 5-axis dental milling machine

PRODUCT INTRODUCTION



Vertical milling



Exceptional precision



Auto tools changer



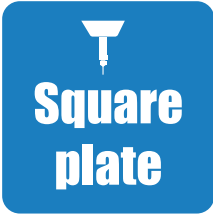
New digital intellectual system



Multiple fixture



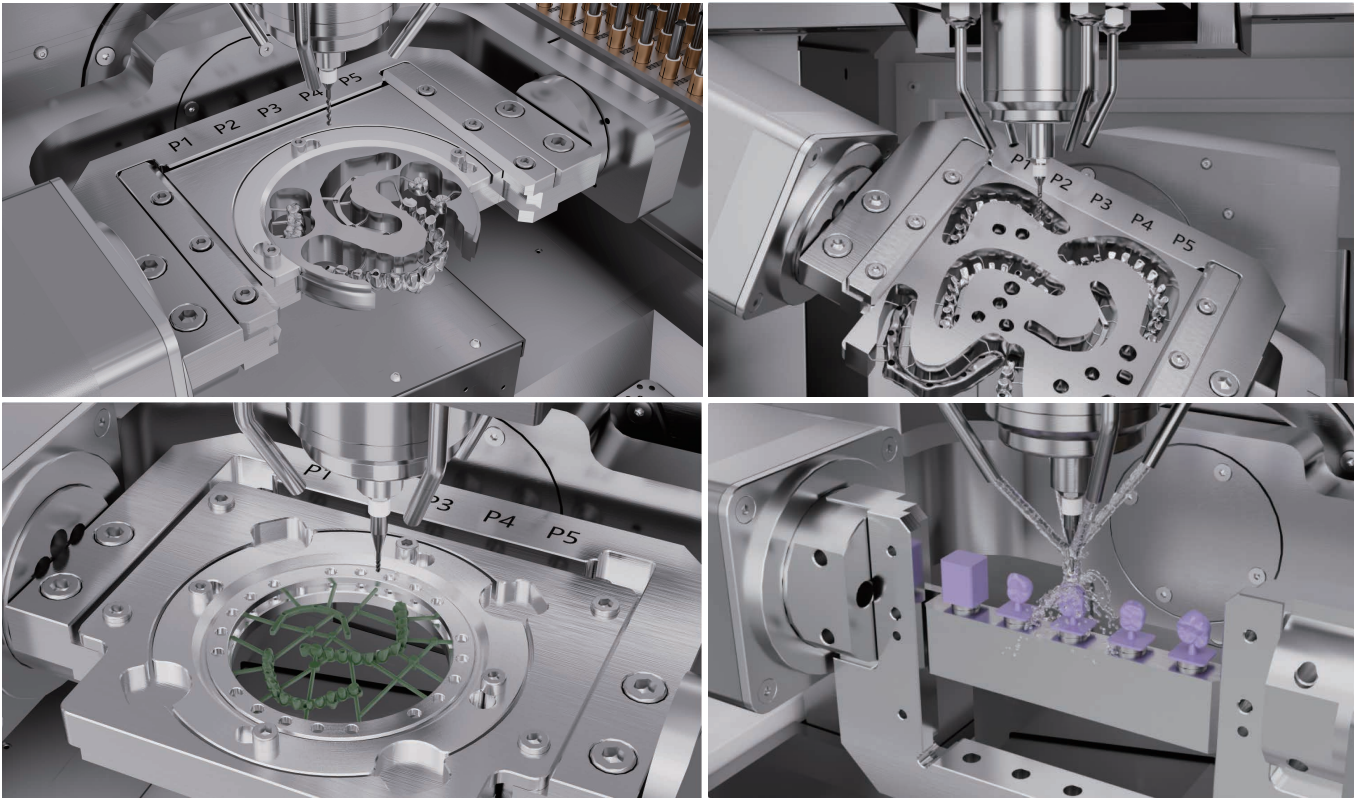
Millable material



Performance advantages

- ✓ One-piece cast iron structure, stable body, long service life;
- ✓ Automatic equipment calibration, no manual operation is required;
- ✓ Outstanding appearance, simple and easy-to-learn operating system;
- ✓ Wide applicability, can process a variety of materials, fast milling of hard materials;
- ✓ Can mill titanium square discs, can process multiple rod clips and cable trays at once, saving costs;
- ✓ Outstanding performance, highly sealed processing chamber, better dust protection, high precision;
- ✓ Safe and worry-free, automatic start and stop when the door opens and closes, reducing safety hazards, automatic operation after breakpoints.

Detail Effect



Technical parameter

Model	JDM5 MAX
Tools	34
Machine size	933X850X1786mm(Excluding foot cups)
Net weight	953kg
Input voltage	220V
Spindle power	2.5kW(Optional 4.0kW)
Max. machine power	5.3kW(Optional 4kW spindle with total machine power of 6.5kW)
Fixture	Round disc:98mm/Square plate:140*150mm
Milling mode	Wet milling
Cooling mode	Water cooling
Spindle speed	3,000-60,000rpm
Milling angle	(Square Plate)A-axis 360° B-axis ±30° (Round disc)A-axis 360° B-axis ±45°
Milling materials	Titanium Square Plate,premilled abutment,glass ceramics,PEEK,PMMA,Cocr,Wax...
Average milling time	Abutment 8-13min Implant bar 90-150min Implant bridge 90-180min

T52CX

Dental lab 5-Axis Turn-mill composite machine

PRODUCT

INTRODUCTION



Vertical
milling



High-speed
operation



Auto tools
changer



New digital
intellectual system



Save
materials



Tremendous
stability

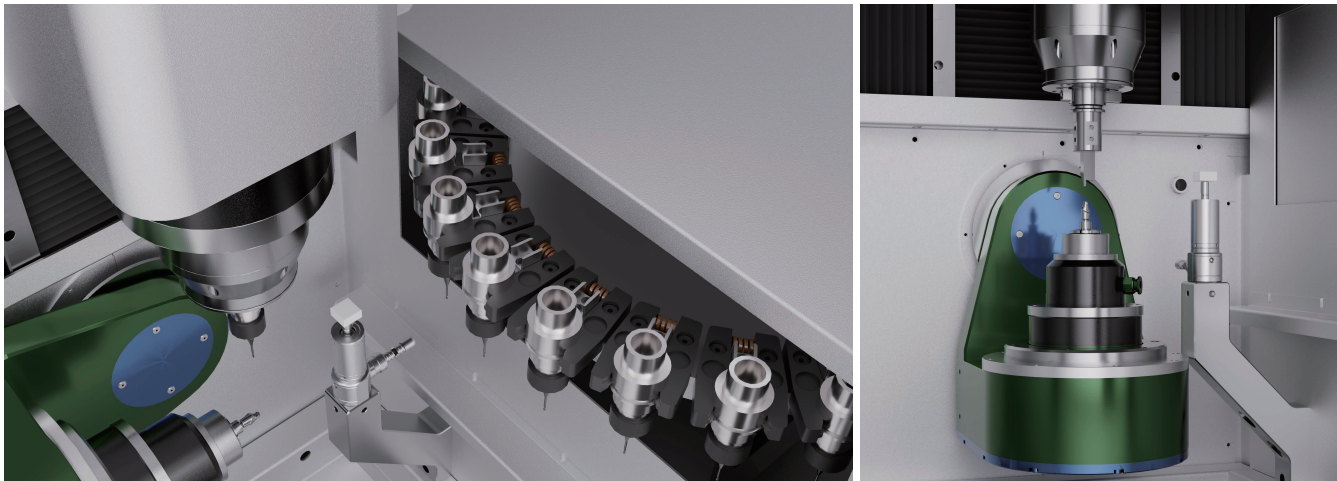
Can process
titanium rods
up to 10 mm
in diameter



Performance advantages

- √ One-piece cast iron structure, stable body, long service life;
- √ Automatic equipment calibration, no manual operation is required;
- √ Outstanding appearance, simple and easy-to-learn operating system;
- √ Outstanding performance, highly sealed processing chamber, better dust protection, high precision;
- √ Turn-mill technology offers faster processing, tighter tolerances, and lower production costs through single-setup machining;
- √ Safe and worry-free, automatic start and stop when the door opens and closes, reducing safety hazards, automatic operation after breakpoints;
- √ The retractable tool magazine saves space, enables automatic tool changing, and protects against dust for efficient, unattended dental milling.

Detail Effect



Technical parameter

Model	T52CX
Tools	16
Machine size	1278X1570X1757mm(without foot cups & without feeder) 2134X1570X1757mm(without foot cups & with feeder)
Net weight	1500kg
Input voltage	380V
Spindle power	6kW
Max. machine power	16kW
Milling materials	Titanium rod
Milling mode	Oil milling
Cooling mode	Oil cooling
Spindle speed	30,000rpm
Milling angle	C-axis 360° B-axis ±90°
Average milling time	Abutment 10-15min

DIGITAL SOLUTION

We offer a variety of milling machines with different functions.

- Intraoral scanner
- Sintering furnace
- Porcelain furnace
- Dental 3D Printer
- Desktop Scanner
- Vacuum cleaner



Digital dental CAD CAM solution

•JDM5DW
Wet & Dry milling machine



•M5DW
Zirconia milling machine



DJ89-PLUS
Dental 3D Printer



1600
Sintering furnace



•PF100
Porcelain furnace



•F5T Pro
Metal milling machine



•DENTAL ZIRCONIA
With all series zirconia block



OS01
Oral scanner



•DENTAL MILLING BURS
For zirconia,PEEK,PMMA,titanium block,Coc

OS01 Intraoral Scanner



Short press on the handle button to switch functions

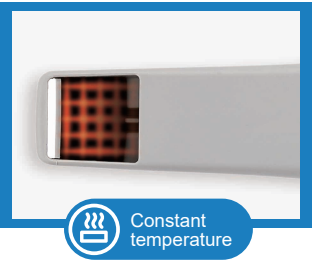


Press and hold the handle button for a long time to confirm the selection



45° Humanized scanner tip

The scanning tip is actively integrated with heating system inside, with fast heating speed and constant temperature; the angle of the mirror of the scanning tip is close to 45°, which can better take into account the scanning area of anterior and posterior part.



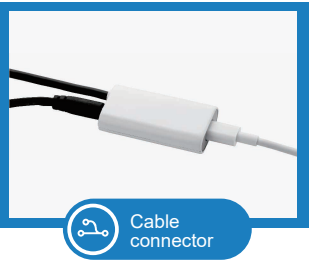
Constant temperature

The scanning head is actively integrated with the internal heating system, which provides fast heating and constant temperature to prevent fogging during scanning.



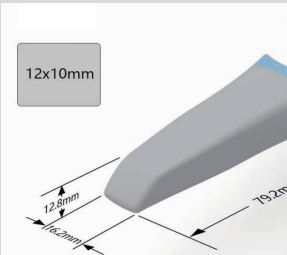
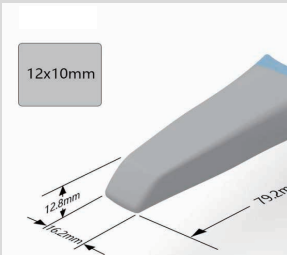
Screw-in connection

The replaceable Type-C data cable adopts a screw connection design to better ensure a stable connection during operation.



Cable connector

Our model is direct connection. No adaptor needed.



Scanner tip:

The lens angle of the scanning head is close to 45 degrees, which can take care of both near center and far center areas.



Humanized Design



Stylish and light weight



Openness



3D True Color



Calibration-Free



Multilingual System

Technical parameter

Scanning range	14x14x15 mm
Scanning accuracy	8-12µm Full Port 28-30µm
Scanning depth	18mm
Working time	Greater than 30000h
Frame rate of 3D reconstruction	Maximum 15 frames/s
Camera resolution	1.3MPCMOS
Pixel size	≥ 4.8µm
Maximum scanning speed	80mm/s
Weight	230±5g
Scanning Time	Upper and lower arch plus occlusion, 2 minute
Scanner	Fully enclosed, no built-in fan, reduces dust and liquid ingress leading to machine failure and reduces the risk of cross-beam vision
Accuracy	Stable, no need for regular calibration.
Mouth scanning light source	LED, no laser radiation.
Scanner size (without scanning head)	200x58x36mm
Scanning head anti-fog method	Adopt self-heating scanning head, such as fast heat, accurate temperature control, low power consumption.
Data export format	OBJ/STL/PLY three export formats
Scanner cable	1.8m
USB cable	0.7m
Connection Method	USB2.0/3.0

1600

Sintering Furnace



JINY 1600 intelligent zirconia sintering furnace is primarily designed for small and medium sized den-ture studios and dental dlinics. High degree of intelligence, precise temperature control, can achieve perf-ect crystallization effect of zirconia.Product performance is more stable through careful design. JINY is committed to creating a good user experience, improving user productivity and reducing user cost.

- 1.Using the highest quality ultra-pure silicon molybdenum rod;
- 2.Meet the gradient, crystal zirconium, porcelain veneer and other high requirements of products;
- 3.Fast and slow sintering furnace;
- 4.Single maximum sintering capacity ≤ 50pcs;
- 5.1 hour to complete sintering;

Technical parameter

Name	Zirconia sintering furnace
Model	1600
Power rating	1200W
Heating rate	<120°C/min
Rated voltage	220V
Frequency	50-60Hz
Maximum temperature	1800°C
Power size	360/L×435/W×662/H(mm)
Weight	49.9kg

PF100

Porcelain Furnace



JINY PF100 intelligent porcelain oven is a product specially designed for denture studios. This productis a porcelain oven and an all-porcelain integrated oven with high intelligence. Porcelain color fine, and can be used in all brands of porcelain powder, porcelain materials products quasi simple operation, stableperformance JINY is committed to creating a good user experience, improve user production efficiencyand reduce user cost.

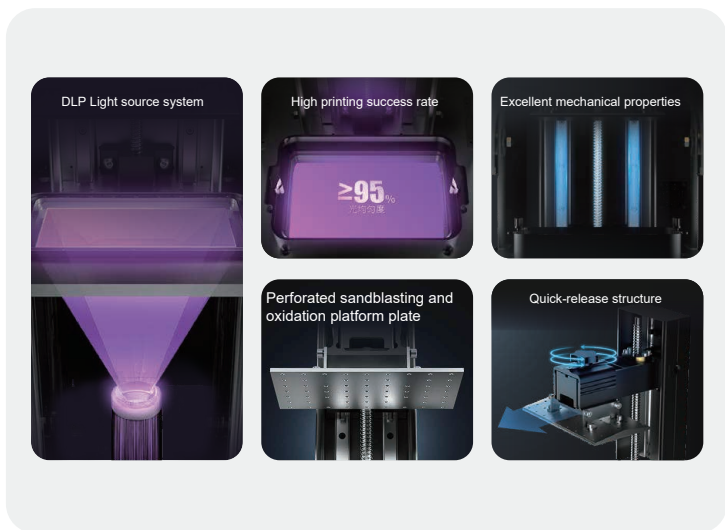
- 1.High quality temperature control system, accurate temperature control, accurate color;
- 2.Baked porcelain, all porcelain one;
- 3.All kinds of porcelain materials can be used;
- 4.Two stage heating, can be sintered blue porcelain block, glass ceramics;
- 5.7 "large field of view HD capacitive touch screen;

Technical parameter

Name	Intelligent porcelain furnace
Model	JINY-PF100
Input voltage	AC-220V
Frequency	50~60Hz
Tmax	1200°C
Heating rate	0~150°C/min
Rated power	1200W
Vacuum	≤ -98Kpa
Product size	294×482×555mm
Package size	430×680×660mm
Package weight	33kg
Net weight	16.5kg

D160

Professional Dental 3D Printer



Technical parameter

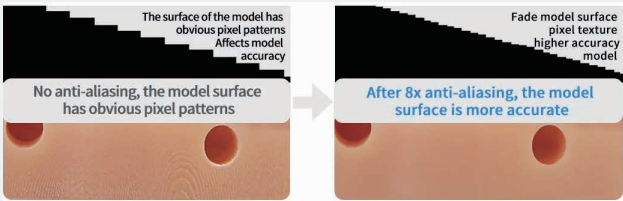
Model	D160
Molding process	DLP
Molding size	158×89×100mm
Overall dimensions	280×264×573mm
Packaging box dimensions	701×411×390mm
Optical engine lifespan	20000+hours
XY axis accuracy	62μm
XY resolution	2560X1440px
Z-axis type	Dual linear guides + ball screw
Maximum printing speed	60mm/h(0.1mm layer thickness)
Supported consumable types	Official dental resins for restorative dental models, surgical guides, temporary crowns/bridges, orthodontic models, etc., with an open system compatible with more third-party resins.
Printing layer thickness	0.01-0.1mm
Single-layer exposure time	1~4s/layer
Touch screen	5-inch capacitive touch color screen
Connection method	USB flash drive,WIFI
Slicing software	Piocrete BOX (Win7/8/10 X64,MacOS)
Sliced file format	.cxline
Rated voltage	Enter:AC100-240V 50/60Hz Output:DC 24V
Rated power	60W
Machine net weight	14kg
Machine gross weight	18.65kg
Supported languages	English / Simplified Chinese / Traditional Chinese / German / Spanish / French / Italian / Dutch / Japanese / Korean / Polish / Portuguese / Russian / Turkish

DJ89-PLUS

Professional Dental 3D Printer

8x anti-aliasinghigher accuracy model

The light intensity is adjusted by the light intensity of the layered area, and then the image is fine-tuned by the compensation pixels picture to realize the uniform distribution of the light intensity of the projection plane, to ensure the stable and efficient production of large-scale dental products.



Auto feeding



Molding chamber heating(20-35 C)



Printing size 228*128*100mm

Technical parameter

Model	DJ89 PLUS
Printing size	228x128x100mm
Machine size	450x290x500mm
Package size	611x386x666mm
XY axis accuracy	29μm
Print speed	40-60mm/h
Print layer thickness	0.01-0.1mm
Touch screen	5-inch color touch screen
Support consumable types	405nm dental, jewelry,washing and other photosensitive resin
Resolution	7680X4320
Z-axis type	double linear guide + ball screw
LCD screen life	2000 hours
Anti-aliasing	8 times anti-aliasing
Automatic leveling	support
Automatic feeding	support
Molding chamber heating	support(Temperature range 20-35°C)
Support system	Windows7/8/10 X64, MAC, OS
Language	Support 12 languages,priority on Chinese and English

A612

Vacuum Cleaner

- 1. Lightweight and compact in appearance, with strong suction power, and a working port suction power of up to 25m/s;
- 2. Fine filtration ensures that the discharged air is pure and pollution-free;
- 3. The structure is sturdy and durable, with stable and reliable quality;
- 4. Silent processing, with noise decibels controlled below 75dB;
- 5. Intelligent control, automatic dust removal, can be operated in conjunction with zirconia machine tools;
- 6. Can be used for a long time, with high vacuuming efficiency, easy maintenance and simple cleaning;



Technical parameter

Name	A620
Model	Vacuum cleaner
Voltage	220V
Electric current	AC 1.5A
Power	200W
Frequency	50-60Hz
Weight	35kg
Size	415X440X600mm
Negative pressure	3.0KPa
Airflow	420m³/h
Speed	5200/RPM
Noise decibels	≤ 75dB
Packing measurement	525X465X710mm
Gross weight	40-48kg

A640/A1200

Vacuum Cleaner

- 1. Lightweight and compact in appearance, with strong suction power, and a working port suction power of up to 25m/s;
- 2. Fine filtration ensures that the discharged air is pure and pollution-free;
- 3. The structure is sturdy and durable, with stable and reliable quality;
- 4. Silent processing, with noise decibels controlled below 75dB/98dB;
- 5. Intelligent control, automatic dust removal, can be operated in conjunction with zirconia machine tools;
- 6. Can be used for a long time, with high vacuuming efficiency, easy maintenance and simple cleaning;



Technical parameter

Name	A640	A1200
Model	Vacuum cleaner	Vacuum cleaner
Voltage	220V	220V
Electric current	AC 1.5A	AC 5.45A
Power	400W	1200W
Frequency	50-60Hz	50-60Hz
Weight	35kg	40kg
Size	415X440X600mm	415X450X648mm
Negative pressure	4.3KPa	10.0KPa
Airflow	600m³/h	300m³/h
Speed	6200/RPM	11000±1000/RPM
Noise decibels	≤ 75dB	≤ 95dB
Packing measurement	525X465X710mm	525X465X710mm
Gross weight	40-48kg	40-48kg

Economic, Efficiency, and Elegant.

Combining these three features makes it easy to integrate our desktop scanners into your workflow.

- 1.Optimized 1.3MP/3.0MP industrial camera with 2/3 inch camera chip and 5.3um chip pixel,better details shown;
- 2.Dual arm stabilizes scanner structure and minimizes motor vibration during scanning;
- 3.Dual radiator design to protect projector,enabling longer projector lifetime.



Quick scan

Open system

High precision

Reliable scanning

Technical parameter

Name	QScan	QScan Pro
Resolution of the cameras	1.3mpX2	3.0mpX2
Scan area	100X100X75mm	100X100X75mm
Scan principle	Phase-shifting optical triangulation	Phase-shifting optical triangulation
Size	37X35X45cm	37X35X45cm
Weight	5kg	5kg
Light source	LED Blue Light	LED Blue Light
Connection	USB 3.0 B-type	USB 3.0 B-type
Accuary(ISO12836)	10μm	8μm
Full arch scan speed	7S (8cut)	14S (8cut)
Texture	●	●

PC recommended configuration

CPU	Intel 8th Generation I5 above
GPU	NVIDIA 1050ti-4G above
RAW	16G
SSD	128G
POWER	550W

AFTER-SALES SERVICE

Online + offline comprehensive operation and maintenance service system.

+86-021-59990735



Offline

8 Supporting Languages
Many Service Centers
Worldwide Service Locations



Online

Sophisticated Online Service Platform
200+ Online Service Engineers
<https://jinycadcam.com>



rofessional

Localized technical support and customized service solutions.



Efficient

After-sales service response time is Within 24 hours.



Responsible

Customer centricity and 98% customer satisfaction.