



DIAMOND
DENTAL SUPPLY

2025



**Quality in Canada
Price in China**

Product Catalog

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Company Profile

Diamond Dental Supply "DDS" is a dental ceramics company, but really we're in the business of certainty. We consistently deliver the highest quality ceramics to you.

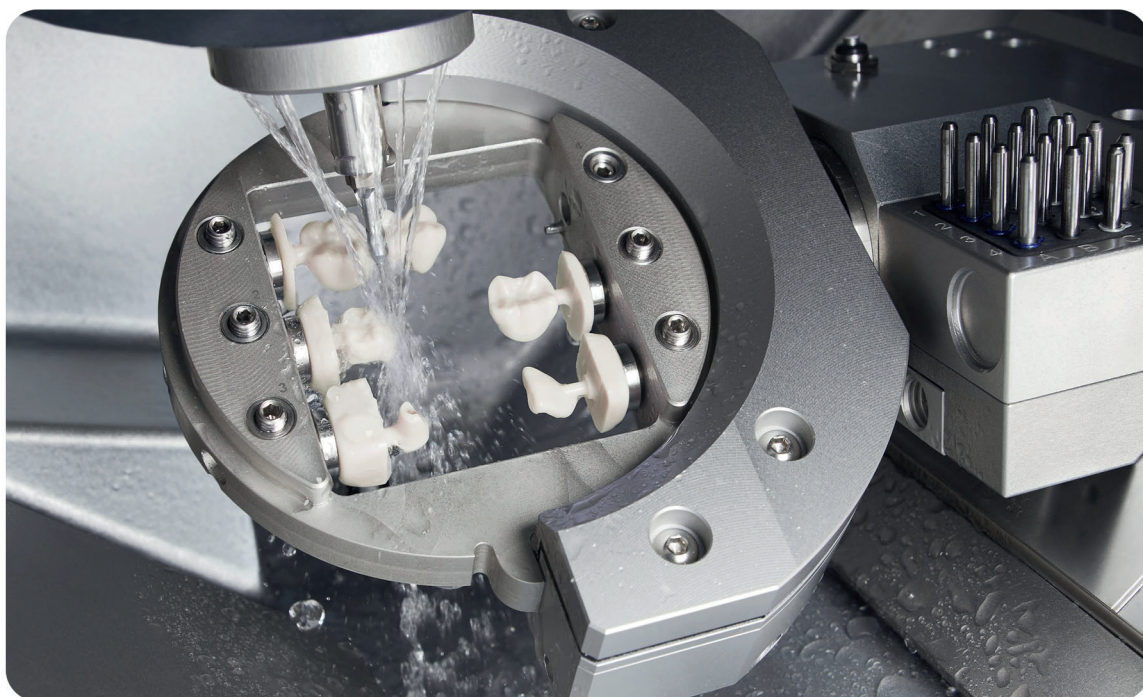
DDS Company was founded in 2017 and listed as the one of the companies superior in its work. DDS is committed to continuous manufacturing, with an unwavering focus on quality and efficiency.





DIAMOND
DENTAL SUPPLY

MILLING MACHINE





DX - 500 PRO

HEAVY DUTY 5 AXIS MILLING MACHINE



- Outstanding Performance
- Highly precision milling up to 2 microns
- 90° verticle processing & large angle milling strategy
- Speed processing for hard materilas (PMMA, PEEK, Composite Resin, Hybride Ceramics, Zir, WAX)
- Intelligent monitoring
- Safe Operating
- Elegant appearance design

Specifications

NAME: DX-500 PRO MILLING MACHINE

Weight	197 kg	Input Voltage	AC 220V
Spindle Power	1.2 kw	ATC	8 (Automatic)
Number of Axis	5 Axis	Travel Range	X:110mm Y:160mm Z:80mm
Processing Method	Dry		A:±35° B:360°
Max Feed Rate	6000 mm/min	Max Speed	60,000 rpm
Processing Materials	Zirconia, WAX, PMMA, PEEK and Soft Co-Cr S	Spindle Cooling	Water Cooling
Dimension (L*W*H)	630*730*700(mm)	Processing Time	8 mins (Zirconia Crown) , 3 mins (WAX), 10 mins (PMMA), 10 mins (PEEK), 10 mins (Soft metal)

DX - 500 PRO



DX-500 AIRLESS

No Air Compressor Needed

German Spindle works for 10,000 hours



Is Engineered for dental professionals who demand top performance and precision. With its cutting-edge technologies, including versatile 5-Axis milling, an intuitive touch display, and time-saving auto-calibration, this machine is designed to deliver exceptional results with unwavering reliability.



Auto-Calibration

Say goodbye to complex and time-consuming calibration. Our streamlined auto-calibration process saves you time and simplifies your workflow, allowing you to focus on what truly matters.



5-Axis Milling

Achieve unparalleled precision with our advanced 5-Axis milling technology.



8-Inch Touch Display

Navigate through intuitive workflows effortlessly on the high-resolution 8-inch touch display. No need for a computer—just plug in a flash drive and get started immediately.



High-Performance

The integrated 12-tool gauge delivers lightning-fast manufacturing, ensuring a seamless and efficient production experience.

Method	Dry millingMaterial
Material	Precision ball screw, precision guide rail,repeat accuracy 5±μm precision Secondary clamp(optional)
Axis	5 Axis
Regular	Tool C Change without air (do not rotate during tool changing).
Rotate speed	Max 60.0000 rpm
Power	800W(5S, Pmax), 450W(S1)
Tool library	12 tools, Integrated tool gauge
Compressed air	No air compressor needed
Product Size	L*W*H 495mm*593mm*627mm
Product Weight	71 kg



Dx-WD5T Pro

Can Mill Titanium Disc

Panasonic Spindle

Axis	5
Milling mode	Dry/Wet
Millable material	Titanium, Zirconia, PMMA Wax, Lithium disilicate
Machine total power	3.0KW
Max spindle speed	60,000 rpm
Number of burs(tools) housed	17
External dimensions(L*W*H)	630*480*670mm
Net weight	111KG
Holder	Type C

Average milling time (Dental crown):

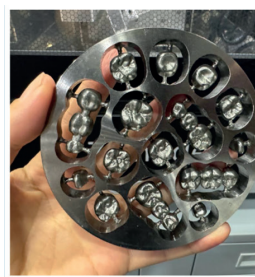
Zirconia 8-15min

PMMA 8-15min

Wax 5-8min

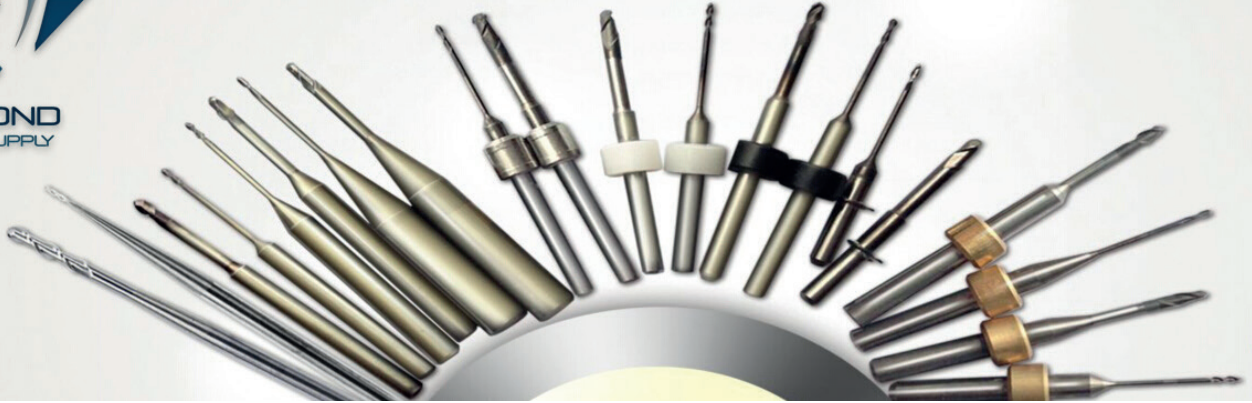
Titanium 20-25min

lithium disilicate : Veneer 7min, crown 25min





DDS Milling Burs



Suitable for all types of Milling machine



The number of working hours is up to **200** hours or approximately **800** units.



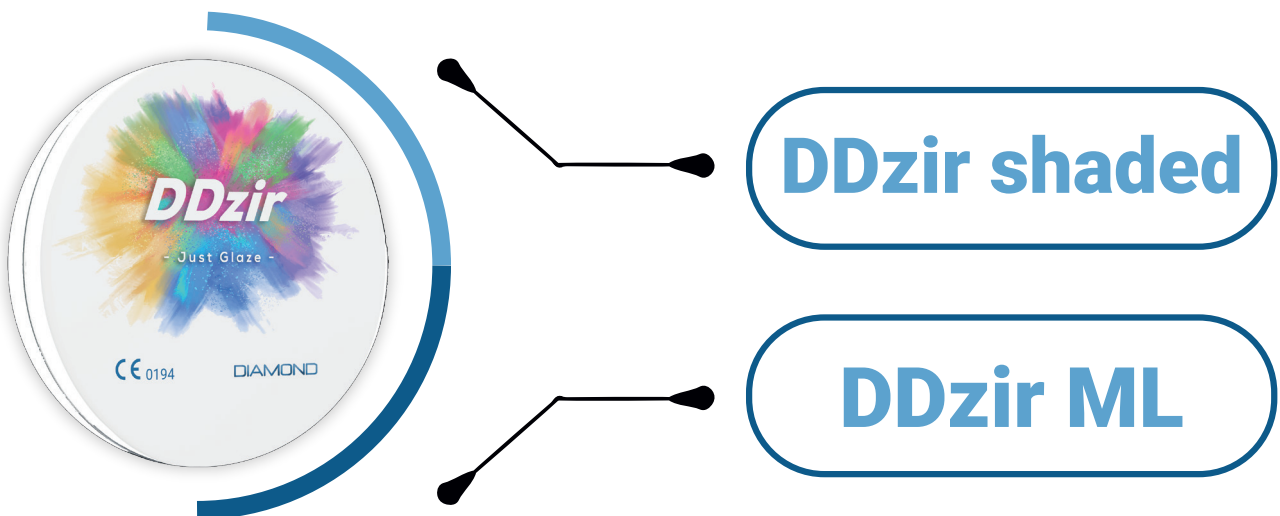
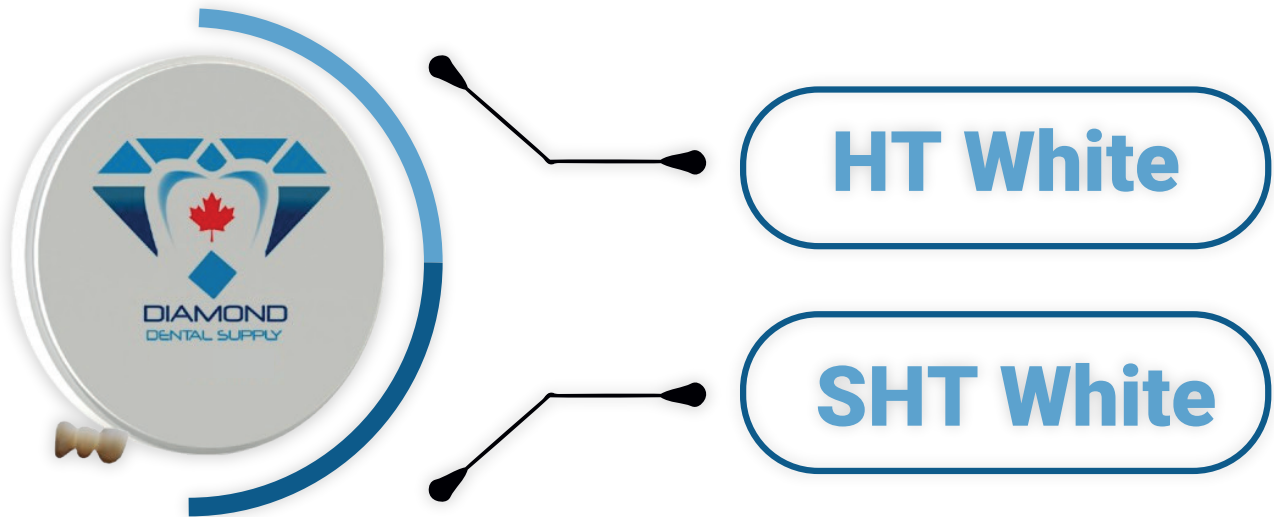
Diamond Coated



Quality Guaranteed



DDS Zirconia





DDS HT White and SHT White



HT Specification

98*10mm	98*12mm	98*14mm
98*16mm	98*18mm	98*20mm
98*22mm	98*25mm	

DDS HT White Zirconia Blocks

Physical and Chemical Properties	Standards	Test Results
Density (after sintering)	6.05±0.05 g/cm ³	6.04 g/cm ³
Strength (Mpa)	>900	1250
Chemical solubility	100 µg/cm ²	64 µg/cm ²
Vickers hardness (HV)	1200	1298
CTE	(10±0.5)	Complied
Radioactivity	0.1Bq.g-1	Complied
Translucency	-	41% - 43%

DDS SHT White Zirconia Blocks

Physical and Chemical Properties	Standards	Test Results
Density (after sintering)	6.05±0.05 g/cm ³	6.03 g/cm ³
Strength (Mpa)	>900	1050
Chemical solubility	100 µg/cm ²	63 µg/cm ²
Vickers hardness (HV)	1200	1293
CTE	(10±0.5)	Complied
Radioactivity	0.1Bq.g-1	Complied
Translucency	-	47% - 49%



SHT Specification

98*10mm	98*12mm	98*14mm
98*16mm	98*18mm	98*20mm
98*22mm	98*25mm	




DDzir MULTILAYER / PRESHADED



Regular providing Shaded blocks:



DDzir MULTILAYER

Vickers Hardness (HV)	Strength (Mpa)	Color	Translucency
≥1300	≥1050	Incisal  Cervical	47%

DDzir PRESHADED



Regular providing pre-shaded blanks:



Vickers Hardness (HV)	Strength (Mpa)	Color	Translucency
≥1300	≥1050	Vita classical shades	47%





DDS Inlab and Manual Zirconia



DDS Inlab Zirconia Blocks

Model	Specification	Translucency
20-14-16	20×14×16	HT / SHT / DDzir
29-19-16	29×19×16	HT / SHT / DDzir
40-14-16	40×14×16	HT / SHT / DDzir
40-19-16	40×19×16	HT / SHT / DDzir
65-25-16	65×25×16	HT / SHT / DDzir

DDS Manual Zirconia Blocks

Model	Specification	Translucency
43-25-16	43×25×16	HT / SHT / DDzir
58-29-16	58×29×16	HT / SHT / DDzir
60-25-16	60×25×16	HT / SHT / DDzir
65-30-16	65×30×16	HT / SHT / DDzir
75-36-16	75×36×16	HT / SHT / DDzir
75-36-22	75×36×22	HT / SHT / DDzir
87-56-16	87×56×16	HT / SHT / DDzir
72-42-16	72×42×16	HT / SHT / DDzir





Indication Reference of DDS Blocks

Indications	Model	DDzir Preshaded	DDzir Multilayer	SHT White	HT White
Aesthetic full contour for anterior		✓	✓	○	○
Full contour for posterior		✓	✓	✓	✓
Coping		✓	✓	✓	✓
Coping bridge (3-4 units)		✓	✓	✓	✓
Crown bridge (3-4 units)		✓	✓	✓	✓
Coping bridge (5-7 units)		○	○	✓	✓
Crown bridge (5-7 units)		✓	✓	✓	✓
Coping bridge full arch		○	○	✓	✓
Crown bridge full arch		○	✓	✓	✓
Post & core		✓	✓	✓	✓
Inlay/Onlay		✓	✓	✓	✓
Veneer		✓	✓	○	○
Abutment		✓	✓	✓	✓
Telescope		✓	✓	✓	✓
Maryland bridge		✓	✓	✓	✓
Implant Bridge for 3-7 units		✓	✓	✓	✗
Implant Bridge for more than 7 units		○	○	✓	✗



DDS Color Liquid



Diluent Liquid

Incisal Liquid

Color Guide

VITA classical A1-D4

Dentine Shade
0M1 0M2 0M3
A1 A2 A3 A3.5 A4
B1 B2 B3 B4
C1 C2 C3 C4
D2 D3 D4

VITA Toothguide 3D-MASTER

Dentine Shade
0M1 0M2 0M3
1M1 1M2
2L1.5 2L2.5 2M1 2M2 2M3 2R1.5 2R2.5
3L1.5 3L2.5 3M1 3M2 3M3 3R1.5 3R2.5
4L1.5 4L2.5 4M1 4M2 4M3 4R1.5 4R2.5
5M1 5M2 5M3

DDS Special shades : P1 P2 P3 - Gingival shade ,O1 O2 - Fossa Shade ,G1 G2 - Incisal shade

Optimized for All-ceramic Restorations,with a Wide Choice of Shades.

Marvelously performed on zirconia blocks.

Thorough penetration throughout crown to ensure predictable colors.

Highly match the natural colors of teeth,Shorter dyeing duration,Easy operation.



STAIN & GLAZE KIT

Rich colors, smooth texture

Bright and natural with a translucent look

Realistic color, perfectly vivid

Easy to use and suitable for a wide range of applications



Properties

Three-point Flexural Strength $\geq 50\text{MPa}$

Chemical solubility $< 100 \mu\text{g}\cdot\text{cm}^{-2}$

Fracture toughness $\geq 0.7\text{MPa}$

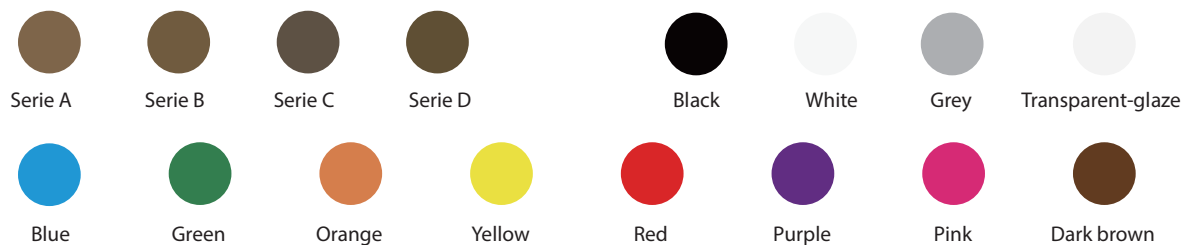
Linear expansivity $(0.5 \pm 9.1) \times 10^{-6} \text{K}^{-1}$

Glass transition temperature $(20 \pm 470) ^\circ\text{C}$



STAIN / GLAZE KIT

Color:



Sintering program:

Initial temp ($^\circ\text{C}$)	Dry time (Min)	Heating rate ($^\circ\text{C}/\text{Min}$)	Keep the temp ($^\circ\text{C}$)	Residence time (S)	Cooling time (S)	End temp ($^\circ\text{C}$)
450	10-5	60-45	830-810	120-90	200	500



Advantages:

High Strength LSi Restorations:

With a strength of minimum 400mpa ($\pm 60\text{MPa}$), Nebula LSi can withstand high-precision cutting, reducing the difficulty of processing (and manual adjustments) even for ultra-thin veneers and other restorations, enhancing the material's required strength and safety in the oral cavity.

Ultra-thin Minimally Invasive:

Can be milled as thin as 0.2mm for ultra-thin veneers, requiring minimal tooth preparation. It is an ideal material for chairside minimally invasive restorations, preserving the maximum healthy natural teeth for patients.

Aesthetic Translucency :

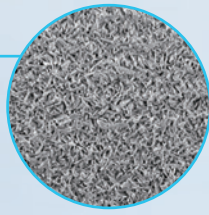
Multiple Translucency
(High Translucency – HT) Exhibits excellent light transmission, restoring the natural color and texture of the base tooth structure.
(Low Translucency, LT): With lower light transmission, it provides a certain shading effect, suitable for low-opacity areas and achieving a masking effect on slight discolorations. Also ideal for inlays/onlays chairside cases.

Immediate Restoration:

With a shrinkage ratio close to 1:1, this all-ceramic material offers great convenience for digital processing. Combined with a rapid crystallization and glazing process, it enables immediate placement and a comfortable speedy restoration experience.



GLASS CERAMIC



Features enhanced glass ceramic structure with the addition of Lithium DiSilicate that strengthen the glass matrix by interlocking microscopic rod-shaped molecules. Compare to traditional microcrystalline glass, possesses a densely interlocked molecular structure resulting to greater strength of the overall matrix. The nanocrystal structure of can provide higher compressive strength (up to 450Mpa), better light transmission, and superior surface luster.

Indications:

Veneer

Inlay

Onlay

Partial crowns

Anterior crown

Posterior crown

Properties

Transmittance	HT, LT, MT, MO
Radioactivity	Active concentration of uranium-1.0%, > 238Bq/g;
Density after partial crystallization	2.6-2.3g/cm ³
Density after complete crystallization	2.7-2.4g/cm ³
Biaxial flexural strength	≥400MPa
Fracture toughness	≥1MPa.m ^{2/1}
Expansion coefficient	11-10X10 ⁻⁶ K ⁻¹
Vickers hardness	≥550HV02
Chemical solubility	≤100 μg/cm ²

Color:	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	BL1	BL2	BL3	BL4	OM1	OM2	OM3	MO1	MO2	MO3
Transmittance	HT																									
	LT																									
	MT																									
																								MO		

*Each product available shade shows as above colored strip

Crystallization program

Initial temp (°C)	Dry time (Min)	Heating rate (°C/Min)	Keep the temp (°C)	Residence time (S)	Starting vacuum (°C)	End vacuum (°C)	Heating rate (°C/Min)	Residence time (°C)	Keep the temp (Min)	Starting vacuum (°C)	End vacuum (°C)	End temp (°C)
450	6	90-60	810	10	550	810	30	850-830	10-5	810	850-830	550



FIRING PASTE

FIRING PASTE FAST. RELIABLE . SAFE



Advantages

- › **SAFE** : securely attached restoration preventing movement and fall-off
- › **FAST** : ready to use firing paste can be dispensed directly-saves time
- › **RELIABLE** : superior fixating adhesion without residue

Operating Procedure



Unscrew the cap



Extrude the paste into the crown



Adhere to the firing peg



Place on the firing tray



Start the firing process



Complete the firing program



Brush off the firing paste



DDS PMMA and WAX

DDS PMMA



Property	Data
Flexural Strength	≥ 100 Mpa
Solubility	≤ 7.5 $\mu\text{g}/\text{mm}^3$
Water Absorption	≤ 40 $\mu\text{g}/\text{mm}^3$

Indications	Temporary crown, partial denture.
Available Thicknesses(mm)	10 ,12 ,14 ,16 ,18 , 20 , 22 , 25.
Available Shapes	Open System, ZirKonzahn, Amann Girrbach, Sirona.
Available Colors	Vita classic shades(multilayer and monolithic), bleach, clear, pink

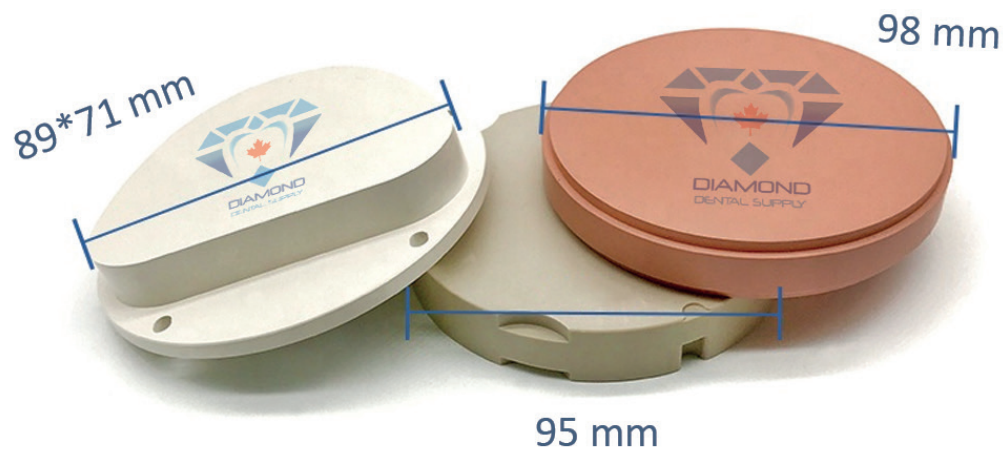
DDS WAX



Physical Properties	
Melting	150 °C
Density	0.92 g/cm ³ (25 °C test)
Shore hardness	50
Linear expansivity	1.15 (70 °C size/25 °C size)
Grey level	$\leq 0.02\%$
Antistatic	YES
Compatibility	CAD/CAM Milling
Available Thicknesses(mm)	98X12/14/16/20

DDS PEEK Blocks

DDS Peek Disc M5/M6 System 95mm



Advantage

- Density is near to natural teeth.
- High resistance to wear, abrasion.
- Easy to clean.

Compitable System	Size (Units: mm)
98	10/12/14/16/18/20/22/25
95	10/12/14/16/18/20/22/25
AG	12/14/16/18/20/25



DDS Co-Cr Blocks

DDS Co-Cr Blocks



Description

DDS Co-Cr Block, a non-precious metal, is innovated based on many years' research and experience of our technicians and is going to revolutionize the traditional PFM manufacturing process. It requires less time, sets the technician free from casting and investing, and at the same time improves product stability and processing level of factory eventually.

Physical Properties

0.2% yield strength	500 Mpa	Density	7.9±0.2 g/cm ³
Tensile strength	≥800 Mpa	Corrosion resistance	<200 µg/cm ²
Vickers hardness	270±27	Liquidus temperature	(1410±50)°C
Solidus temperature	(1350±50)°C	(CTE) (25-500)°C	(14.2-14.8) X10 ⁻⁶ K ⁻¹

Composition

Cobalt	Chrome	Molybdenum	Silicium	Manganese	Iron	Carbon	Other
66.0±2.0%	28.0±2.0%	5.0±1.0%	<1.0%	<1.0%	<0.8%	<0.8%	<2.0%





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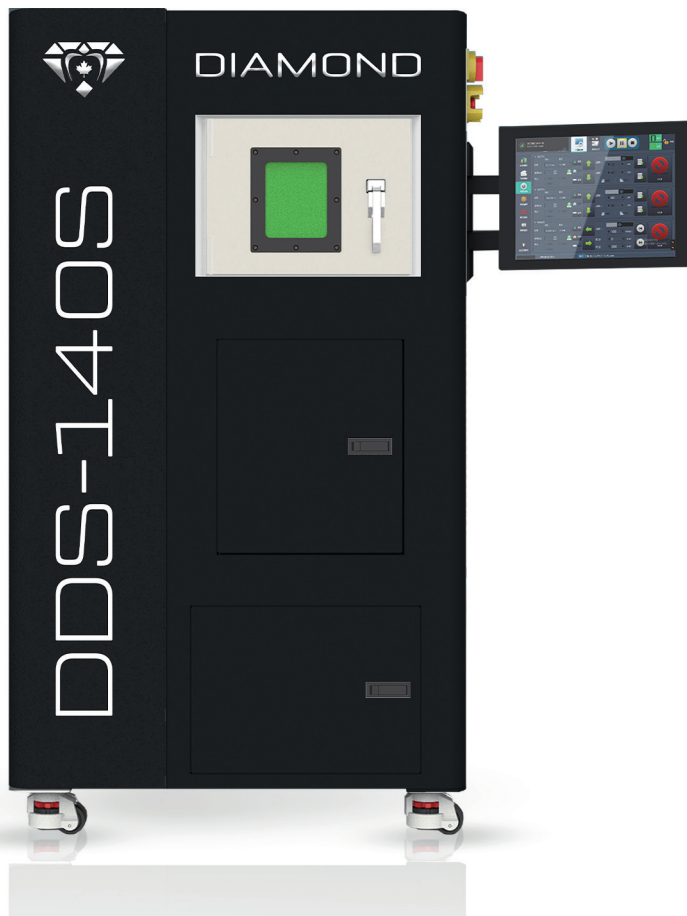
METAL PRINTER





DDS-140S

METAL 3D PRINTER



Quality advantage

- Stabilized optical system
- Self-developed software for one-button automatic typesetting, specially customized for dentistry.

Efficiency advantage

- 150 crowns/5 hours. 15 frameworks/ 6 hours
- Permanent filter, high powder utilization rate
- The crown veneer can complete typesetting and data processing in 5 minutes at the earliest

Security advantage

- >5 years of verification, has formed an independent and perfect safety production process.
- Bring your own camera, support remote monitoring and operation, and monitor the production status anytime and anywhere.
- Integrated welding structure, strong stability and convenient installation.

Product Model

DDS-140S

Build Volume Height inclusive of build plate	ø140 X H100mm	Printer Dimensions	1050 X 870 X 1750mm (L X W X H)
printer weight	450 kg	Layer Thickness	20-100um
Beam Spot Size	50-80um (Adjustable)	Laser Source	Single fiber laser
Recoater Type	Soft blade recoater	Input Voltage	220V AC
Laser Power	500W	Protective Gas	N2, Ar
Average Power Consumption	1.5KW	Cooling Type	Water-cooled
Min. Oxygen Content	0.1%	Powder Feeding and Recoating Type	Upper powder feeding & One - way recoating
Build Plate Fixing Type	Magnetic fixed	Printing Accuracy	±50um
Max. Scanning Speed	10m/s	Max. Powder Volume	2.5L
Typesetting Mode	Automatic typesetting path planning	Power Failure Resume	Yes
Printable Material	CoCr.Titanium. Stainless steel Aluminum, Etc	Filtration System	Permanent filter lifetime >30K hours



DDS-180S

METAL 3D PRINTER

**ONE-CLICK TYPESETTING AND DATA
PROCESSING WITHIN 5 MINUTES**



Product Model

DDS-180S

Build Volume Height inclusive of build plate	Ø180 X H100	Printer Dimensions	1140 × 800 × 1900mm (LXWXH)
printer weight	600 kg	Layer Thickness	0.02-0.05mm
Beam Spot Size	50-80um	Laser Source	Doal lasers
Recoater Type	Soft blade recoater	Input Voltage	Three-phase 380V
Laser Power	2 X 500W	Protective Gas	N2, Ar
Average Power Consumption	3KW	Cooling Type	Water-cooled
Min. Oxygen Content	0.01%	Powder Feeding and Recoating Type	Upper powder feeding & One - way recoating
Build Plate Fixing Type	Magnetic fixed	Printing Accuracy	±50um
Max. Scanning Speed	0~7m/s	Max. Powder Volume	6L
Typesetting Mode	Automatic typesetting path planning	Power Failure Resume	Yes
Printable Material	CoCr.Titanium. Stainless steel Aluminum, Etc	Filtration System	Permanent filter lifetime >30K hours



DDS-220S

METAL 3D PRINTER

DUAL LASERS



ONE-CLICK



300 CROWNS 5 HOURS



30 FRAMEWORKS 6 HOURS



BIDIRECTIONAL POWDER RECOATING



Product Model

DDS-220S

Build Volume Height inclusive of build plate	140×220X100/200mm (LXWXH)	Printer Dimensions	1150 X 750 X 1800mm (LXWXH)
printer weight	500 kg	Layer Thickness	20-100um
Beam Spot Size	50-80um (Adjustable)	Laser Source	Doal lasers
Recoater Type	Soft blade recoater	Input Voltage	220V AC
Laser Power	2 X 500W	Protective Gas	N2, Ar
Average Power Consumption	2.5KW	Cooling Type	Water-cooled
Min. Oxygen Content	0.1%	Powder Feeding and Recoating Type	Upper powder feeding &One - way recoating
Build Plate Fixing Type	Magnetic fixed	Printing Accuracy	±50um
Max. Scanning Speed	10 m/s	Max. Powder Volume	6L
Typesetting Mode	Automatic typesetting path planning	Power Failure Resume	Yes
Printable Material	CoCr.Titanium. Stainless steel Aluminum, Etc	Filtration System	Permanent filter lifetime >30K hours

DDS-220S



DDS-300D

METAL 3D PRINTER

POWDER CIRCULATION SYSTEM HELPS MASS PRODUCTION

EXCLUSIVE TOOLS FOR PROTOTYPE MODEL AND INDUSTRY MOLD



Product Model

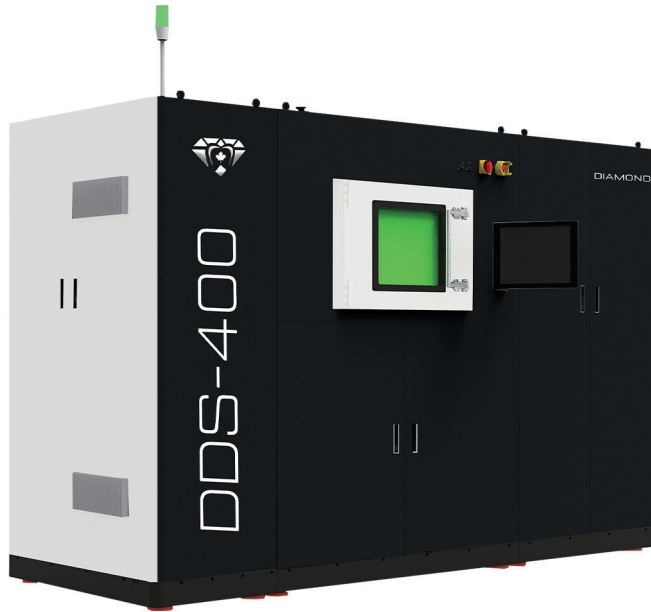
DDS-300D

Build Volume Height inclusive of build plate	300X300X400mm (LXWXH)	Printer Dimensions	2705 × 990 × 2100mm (L×W×H)
printer weight	1200 kg	Powder Feeding and Recoating Type	Upper powder feeding & Bidirectional recoating
Preheat Temperature	0-200°C	Laser Type	Fiber laser
Maximum Power	10 KW	Laser Source	Dual lasers
Input Voltage	Three-phase 380V	Beam Spot Size	50-200um (Adjustable)
Vibrating Mirror Type	Grating type high-precision digital coding lens	Protective Gas	N2, Ar
Scanning Speed	0-10m/s	Layer Thickness	20-150um
Circulatory System	0-2m3/min multi-layer air curtain protection.	Z Axis Resolution	1um
Filter System	The filtration efficiency of particle larger than 0.5 micron is 99.9%. (Upgradeable permanent filter) FastFab, with operation authority to control process guidance and online monitoring	Scanning Mode	Checkerboard grid, honeycomb hexagonal grid, octagonal grid, strips, parallel lines, etc.
Control Software	FastFab, with operation authority to control process guidance and online monitoring	Scanning Mode	Stainless steel, cobalt-chromium alloy, titanium alloy, pure titanium die steel, aluminum alloy and other metal materials.
Scanning Accuracy	The scanning repetitive positioning accuracy is < 2 μ rad; The linearity is 99.9% and the range is 20%. Proportional drift: 8PPM/°C 08		



DDS-400

METAL 3D PRINTER



Multiple lasers

Multigalv-
anometer

Efficient printing

Rapid production

Product Model

DDS-400

Build Volume Height inclusive of build plate	300X300X400mm (LXWXH)	Printer Dimensions	3013×1140×2010mm (LXWXH)
printer weight	1200 kg	Powder Spreading Method	Upper powder feeding & Bidirectional recoating
Preheat Temperature	0-200°C	Laser Type	Fiber laser
Maximum Power	10 KW	Number of Lasers	4 ` 8
Powder Spreading Method	Three-phase 380V	Beam Spot Size	50-200um (Adjustable)
Vibrating Mirror Type	Grating type high-precision digital coding lens	Protective Gas	N2, Ar
Scanning Speed	0-10m/s	Layer Thickness	20-150um
Circulatory System	0-2m3/min multi-layer air curtain protection.	Z Axis Resolution	1um
Filter System	The filtration efficiency of particle larger than 0.5 micron is 99.9%. (Upgradeable permanent filter) FastFab, with operation authority to control process guidance and online monitoring	Scanning Mode	Checkerboard grid, honeycomb hexagonal grid, octagonal grid, strips, parallel lines, etc.
Control Software	FastFab, with operation authority to control process guidance and online monitoring	Scanning Mode	Stainless steel, cobalt-chromium alloy, titanium alloy, pure titanium die steel, aluminum alloy and other metal materials.
Scanning Accuracy	The scanning repetitive positioning accuracy is < 2 μ rad; The linearity is 99.9% and the range is 20%. Proportional drift: 8PPM/°C 08		

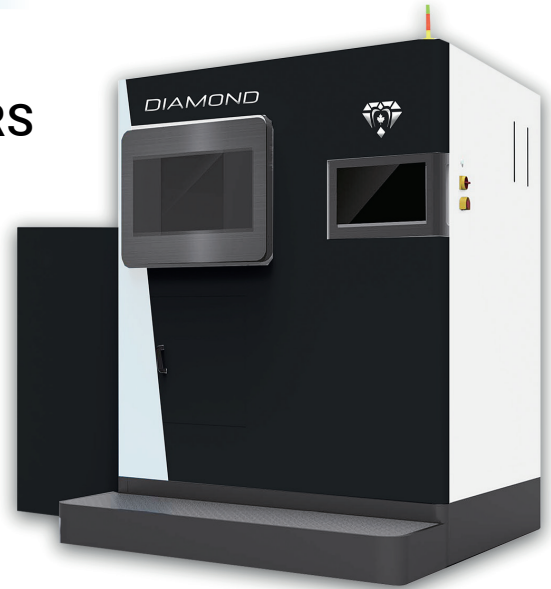
DDS-400



DDS-500

METAL 3D PRINTER

- DUAL LASERS AND GALVANOMETERS
- BIDIRECTIONAL VARIABLE SPEED POWDER FEEDING TECHNOLOGY
- Z-AXIS CLOSED-LOOP SYSTEM
- EFFICIENT AIR CONTROL SYSTEM



Product Model

DDS-500

Build Volume Height inclusive of build plate	300X300X400mm (LXWXH)	Printer Dimensions	0-200°C
printer weight	1600 kg	Powder Spreading Method	Upper powder feeding & Bidirectional recoating
Preheat Temperature	20-150um	Laser Type	Fiber laser
Maximum Power	15 KW	Number of Lasers	4` 8
Powder Spreading Method	Three-phase 380V	Beam Spot Size	50-200um (Adjustable)
Vibrating Mirror Type	Grating type high-precision digital coding lens	Protective Gas	N2, Ar
Scanning Speed	0-10m/s	Layer Thickness	20-150um
Circulatory System	0-2m3/min multi-layer air curtain protection.	Z Axis Resolution	1um
Filter System	The filtration efficiency of particle larger than 0.5 micron is 99.9%. (Upgradeable permanent filter) FastFab, with operation authority to control process guidance and online monitoring	Scanning Mode	Checkerboard grid, honeycomb hexagonal grid, octagonal grid, strips, parallel lines, etc.
Control Software	FastFab, with operation authority to control process guidance and online monitoring	Scanning Mode	Stainless steel, cobalt-chromium alloy, titanium alloy, pure titanium die steel, aluminum alloy and other metal materials.
Scanning Accuracy	The scanning repetitive positioning accuracy is < 2 μ rad; The linearity is 99.9% and the range is 20%. Proportional drift: 8PPM/°C 08		



Metal powder for 3D printing

Particle size	10-30μm	15-45μm	15-53μm
Hall flow s/50g	≤50	≤25	≤20



NiCr

chemical composition (%)		NiCr	Powder specification
(Ni)	60.2	Tap density	5.32g/cm ³
(Cr)	25.45	Apparent density	4.65g/cm ³
(Mo)	11.95	Thermal expansivity	13.7(20-600°C)(10 ⁻⁶ /K)
(Si)	1.08		
(Mn)	-		
(C)	-		

Particle size	10-30μm	15-45μm	15-53μm
Hall flow s/50g	≤35	≤25	≤18



CoCr

chemical composition (%)		CoCrW	physical property
(Co)	61.50	Hardness 300	Modulus of elasticity 210
(Cr)	27.75	Elongation 10	Corrosion resistance <200
(W)	8.50	Tensile strength 525	Thermal expansivity 14.1-14.3
(Si)	1.50	Elastic limit, Rp0.2% 375	Density 8.4
(Fe)	0-0.50		
(Mn)	≤25		

Particle size	15-45μm	15-53μm
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Titanium

chemical composition (%)		TC4	physical property
(Ti)	Bal.	Hardness ≥260	Corrosion resistance <200
(Al)	5.5-6.5	Percentage elongation after fracture ≥18	Thermal expansivity 9.7-10.7
(V)	3.5-4.5	Density 4.41	Non-proportional bending strength, Rp0.2% ≥800
(Fe)	≤0.25	Modulus of elasticity ≥150	Proof strength, Rp0.2% ≥500
(O)	≤0.13		
(N)	≤0.03		
(H)	≤0.008		
(C)	≤0.08		



Dental Resin

Dental Resin



Surgical Guide Resin



High accurate, Able to be sterilized in autoclave.
strong enough to be disinfected in high temperature sterilizer.
Suitable for dental implant operation or orthopedic surgery for drilling guide purpose.



Dental Castable Resin



Dental cast resin is designed for dental metal casting for frame or crown, extremely low shrinkage and accurate size after casting, no partial removeable prosthesis issue.



Dental Resin



Temporary Resin



Temporary Resin is a reliable restorative material designed for use as a temporary restoration in the posterior and anterior regions. The resin is easy to use and ensure predictable outcomes during the treatment process. It is fast-setting, allowing for quick restoration completion.



Gingiva Mask Resin



A soft, biocompatible resin suitable for dental and gingival applications.
Biocompatibility testing, Soft and Tough Resin, Natural color
High precision and low shrinkage, Suitable for artificial gingiva



Ortho Model Resin



Perfect for orthodontic labs, Easy to make any ortho models .
It is suitable for any orthodontic case like study model
or ortho model with attachments etc.



Quality in Canada Price in China

Feel free to contact us



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