



○ ○ △ CAD/CAM ZIRCONIA



ABOUT US

Founded by dental materials experts and intelligent CNC specialists, Shenzhen Gusrom Biotechnology Co., Ltd. has established its competitive edge by focusing on zirconia blocks for all-ceramic dentures, with “stability, strength, and aesthetics” as the cornerstones of our business. Simultaneously, we are dedicated to R&D, production, and sales of high-quality materials and equipment spanning the entire oral healthcare industry chain. Our mission is to build a dental digital ecosystem enterprise, delivering comprehensive digital solutions to advance the industry.

Equipped with advanced R&D laboratories and production facilities, we utilize fully automated CNC machines for precision manufacturing, ensuring adherence to the highest product quality standards. Driven by technological innovation, product excellence, and service commitment, we uphold “a customer-centric philosophy” to continuously create value for users. Our products are trusted by clients in over dozens of countries worldwide.

Shenzhen Gusrom Biotechnology Co., Ltd. sincerely hopes to collaborate with global partners to propel the digital transformation of oral healthcare, providing more professional, safer, and more comfortable dental medical products for patients and practitioners worldwide.

Product Category

	4D X ML	4D PRO ML	3D PRO ML	UT Series	SHT Series	ST Series	HT PLUS
Strength & Translucency	1300~800Mpa 43%~57%	1200 ~ 700Mpa 46%~57%	1050~700Mpa 46%~57%	≥600Mpa 49%	≥900Mpa 46%	≥1100Mpa 43%	≥1200Mpa 40%
White				UT ML 6Layers 14MM A2 > 600 MPa 49% Translucency Stability Strength Aesthetics GUSROM		ST White 14MM A2 > 1200 MPa 43% Translucency Stability Strength Aesthetics GUSROM	HT PLUS White 14MM A2 > 1200 MPa 40% Translucency Stability Strength Aesthetics GUSROM
Shaded					SHT Shaded 14MM A2 > 900 MPa 46% Translucency Stability Strength Aesthetics GUSROM	ST Shaded 14MM A2 > 1100 MPa 43% Translucency Stability Strength Aesthetics GUSROM	
Multilayer	4D X ML 14MM A2 > 100% TDSOH 8 Layers 1300~800MPa 43%~57% Translucency Stability Strength Aesthetics GUSROM	4D PRO ML 14MM A2 8 Layers 1200~700MPa 43%~57% Translucency Stability Strength Aesthetics GUSROM	3D PRO ML 14MM A2 6 Layers 1050~700MPa 46%~57% Translucency Stability Strength Aesthetics GUSROM	UT White 14MM A2 > 600 MPa 49% Translucency Stability Strength Aesthetics GUSROM	SHT ML 6Layers 14MM A2 > 900 MPa 46% Translucency Stability Strength Aesthetics GUSROM	ST ML 6Layers 14MM A2 > 1100 MPa 43% Translucency Stability Strength Aesthetics GUSROM	

Product Indications

Indications Product	 Veneer	 Onlay	 Anterior crown	 Posterior crown		 Full arch crown bridge	 Implant	 Full crown bridge	 Anterior three-unit bridge
4D X ML	●	●	●	●		●	●	●	●
4D PRO ML	●	●	●	●		●	●	●	●
3D PRO ML	●	●	●	●		●	●	●	●
UT ML	●	●	●	●		●	●	●	●
UT White	●	●	●	●		●	●	●	●
SHT ML	●	●	●	●		●	●	●	●
SHT Shaded	●	●	●	●		●	●	●	●
ST ML	●	●	●	●		●	●	●	●
ST White	●	●	●	●		●	●	●	●
ST Shaded	●	●	●	●		●	●	●	●
HT PLUS	●	●	●	●		●	●	●	●

* ● support ● disapprove

4D X ML

8 Layers Multilayer Color

1300~800 MPa
Bending Strenght (Av.)

43%~57%
Translucency

100%
TOSOH



Indications



Colors



System



Case 1



Case 2



- Made in industry 4.0
- 100% TOSOH
- 8 superimposed layers 15 gradient layers
- Life-like shade radiant no obvious layer line
- Incisal area with high translucency close to natural teeth

Physical parameters

Sintered density	6.08±0.03g/cm³	Transmittance	43%-57%
Bending strength	1300-800 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1500°C		



Made in industry 4.0

△ Stability

Reduce Time & Material
Losses Caused By Rework

⌄ Strength

Cover A Wide Range of
Applications

✧ Aesthetics

Achieve Natural-looking
Aesthetic Realism

4D PRO ML

8 Layers Multilayer Color

1200~700 MPa
Bending Strenght (Av.)

43%~57%
Translucency



Indications



Colors



System



Case 1



Case 2



- Made in industry 4.0
- 8 layers Multilayer color
- From 43% to 57% gradient for transparency
- Strength shows gradient from 700MPa to 1200MPa
- Suitable for anterior , crown and 14 unit bridges

Physical parameters

Sintered density	6.07±0.03g/cm³	Transmittance	43%-57%
Bending strength	1200-700 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1500°C		

3D PRO ML

6 Layers Multilayer Color

1050~700 MPa
Bending Strenght (Av.)

46%~57%
Translucency



Indications



Colors



System



Case 1



Case 2



- Made in industry 4.0
- Multi-layer gradient structure closely resembling natural dentition.
- Featuring a translucency gradient decreasing from 57% at the incisal edge to 43% in the cervical region, replicating the natural enamel translucency pattern of physiological tooth structure.
- Strength shows gradient from 700MPa to 1050MPa

Physical parameters

Sintered density	6.07±0.03g/cm³	Transmittance	46%-57%
Bending strength	1050-700 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1500°C		

UT ML

6 Layers Multilayer Color

≥ 600 MPa
Bending Strenght (Av.)

49%
Translucency

UT

ML 6Layers

14MM A2

≥ 600 MPa
Bending Strength (Av.)

49%
Translucency

14MM A2

≥ 600 MPa
Bending Strength (Av.)

49%
Translucency

Stability

Reduce Time & Material
Losses Caused By Rework

Strength

Cover A Wide Range of
Applications

Aesthetics

Achieve Natural-looking
Aesthetic Realism

Strength

Aesthetics

Achieve Natural-looking
Aesthetic Realism

GUSROM

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Case 1



Case 2



Indications



Colors



System



- Made in industry 4.0
- 5-layer stacked structure with 9-level gradient transition
- Superior light transmission characteristics (45-60% translucency gradient)
- Refined surface luster mimicking natural enamel prismatic effects

Physical parameters

Sintered density	6.07±0.03g/cm³	Transmittance	49%
Bending strength	≥ 600 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1450°C		

UT White

White

≥ 600 MPa
Bending Strenght (Av.)

49%
Translucency



Indications



Colors



System



Case 1



Case 2



- Made in industry 4.0
- It features a delicate and translucent appearance
- delivering an outstanding aesthetic effect

Physical parameters

Sintered density	6.08±0.03g/cm³	Transmittance	49%
Bending strength	≥ 600 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1500°C		

SHT ML

6 Layers Multilayer Color

≥ 900 MPa MPa
Bending Strenght (Av.)

46%
Translucency



Case 1



Case 2



- Made in industry 4.0
- No internal staining is required. The gradient color restores the appearance of natural real teeth
- The color display effect is stable, and the transition at the incisal edge is natural

Physical parameters

Sintered density	6.07±0.03g/cm ³	Transmittance	46%
Bending strength	≥ 900 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1500°C		

Indications



Colors



System



SHT Shaded

Shaded

≥ 900 MPa
Bending Strenght (Av.)

46%
Translucency



Indications



Colors



System



Case 1



Case 2



- Made in industry 4.0
- No staining is required, saving both time and effort
- Pre-staining precisely matches the VITA "Classic 16 Colors"

Physical parameters

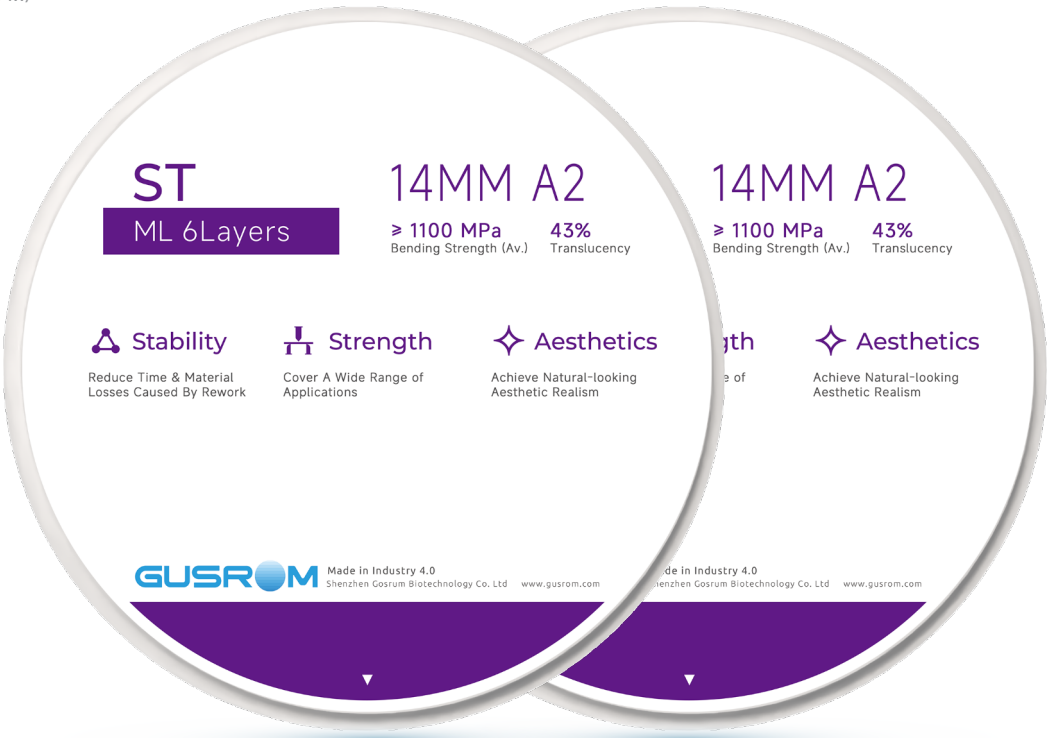
Sintered density	6.07±0.03g/cm³	Transmittance	46%
Bending strength	≥ 900 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1500°C		

ST ML

6 Layers Multilayer Color

≥ 1100 MPa
Bending Strenght (Av.)

43%
Translucency



Indications



Colors



System



Case 1



Case 2



- Made in industry 4.0
- Pre-stained with multiple colors, achieving a natural gradient
- It is simple to operate, stable and highly efficient

Physical parameters

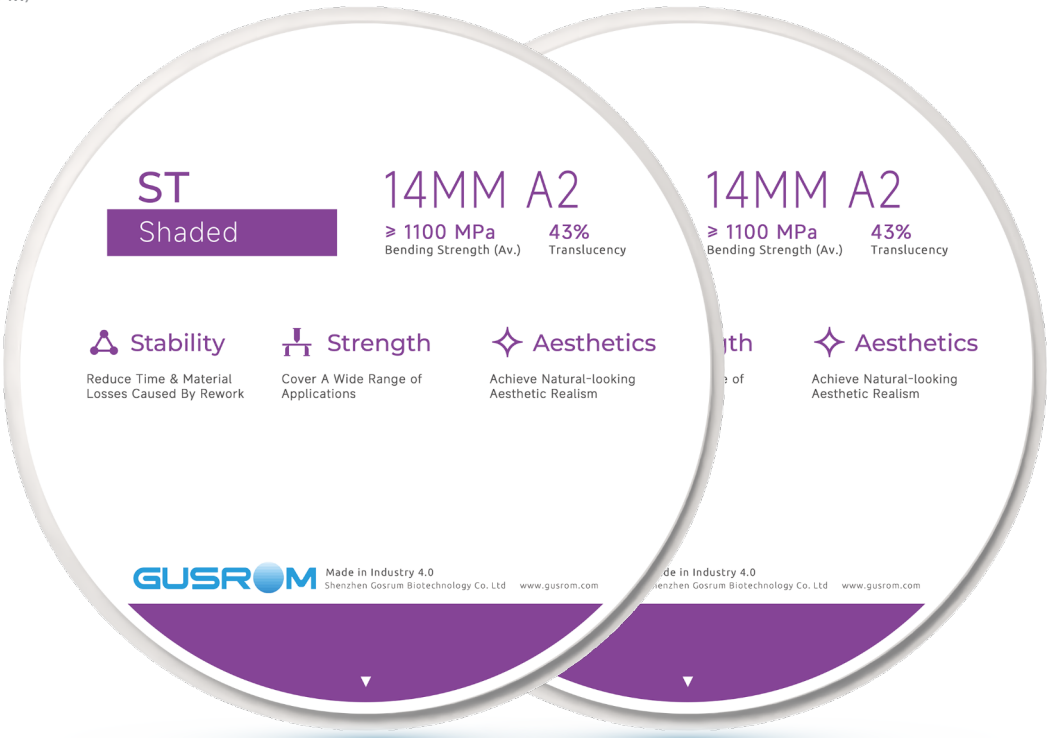
Sintered density	6.07±0.03g/cm³	Transmittance	43%
Bending strength	≥ 1100 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1530°C		

ST Shaded

Shaded

≥ 1100 MPa
Bending Strenght (Av.)

43%
Translucency



Indications



Colors



System



Case 1



Case 2



- Made in industry 4.0
- Pre-stained, and the operation is simple
- No need for staining, saving time and effort

Physical parameters

Sintered density	6.07±0.03g/cm ³	Transmittance	43%
Bending strength	≥ 1100 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1500°C		

ST White

White

≥ 1200 MPa
Bending Strenght (Av.)

43%
Translucency



Indications



Colors



System



Case 1



Case 2



- Made in industry 4.0
- It has even more excellent light transmittance and extremely high flexural strength
- It features a superior personalized internal staining solution, with stable coloring performance

Physical parameters

Sintered density	6.07±0.03g/cm ³	Transmittance	43%
Bending strength	≥ 1200 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1530°C		

HT PLUS

White

≥ 1200 MPa
Bending Strenght (Av.)

40%
Translucency



Case 1



Case 2



- Made in industry 4.0
- It has excellent transparency performance and extremely high flexural strength
- It has a superior personalized internal staining solution, and the coloring performance is stable

Physical parameters

Sintered density	6.07±0.03g/cm³	Transmittance	40%
Bending strength	≥ 1200 MPa(Av.)	Hardness	1200HV
Sintering temperature	Recommend 1530°C		

Indications



Colors



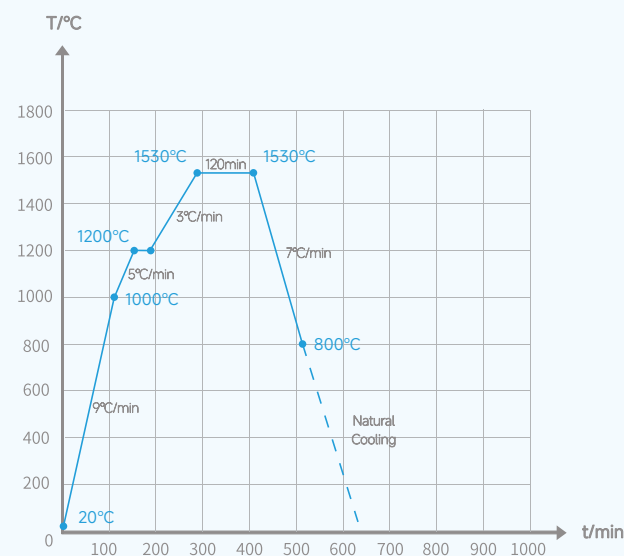
System



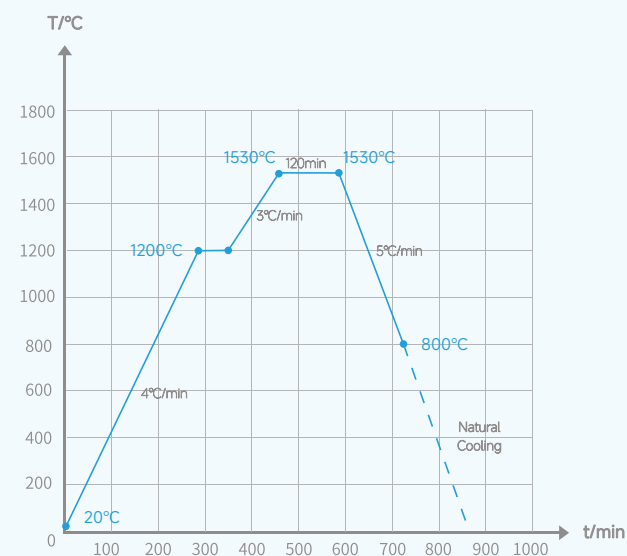
Sintering Temperature

• HT PLUS & ST Series

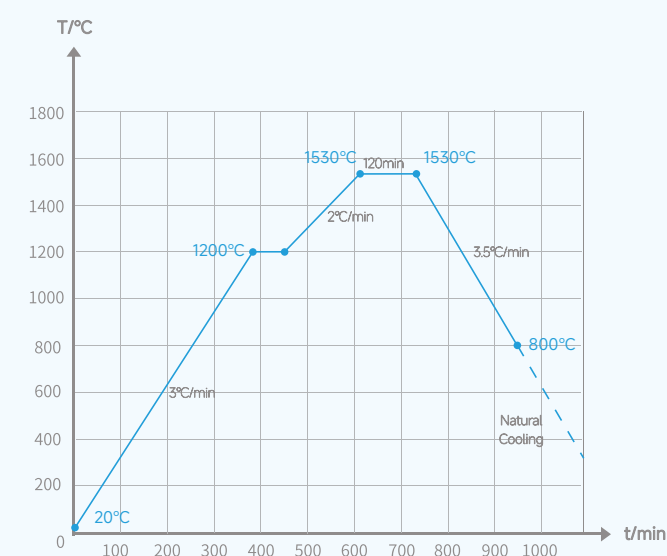
The sintering curve for 1 to 3 units (8h)



The sintering curve for 4 to 6 units (12h)

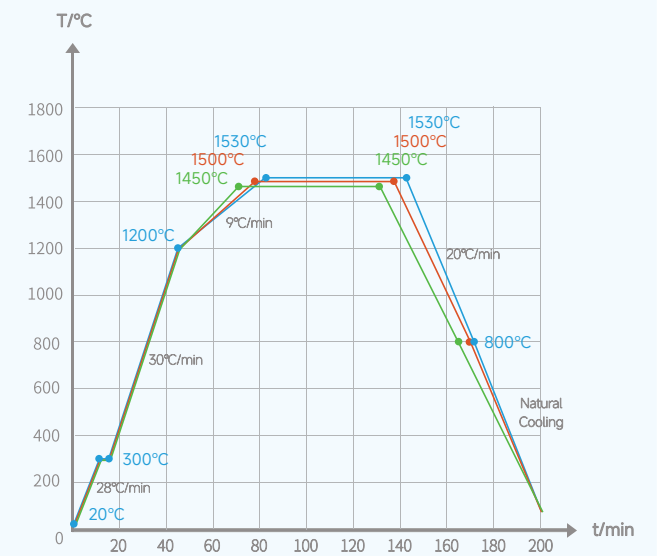


The sintering curve for more than 7 (15h)



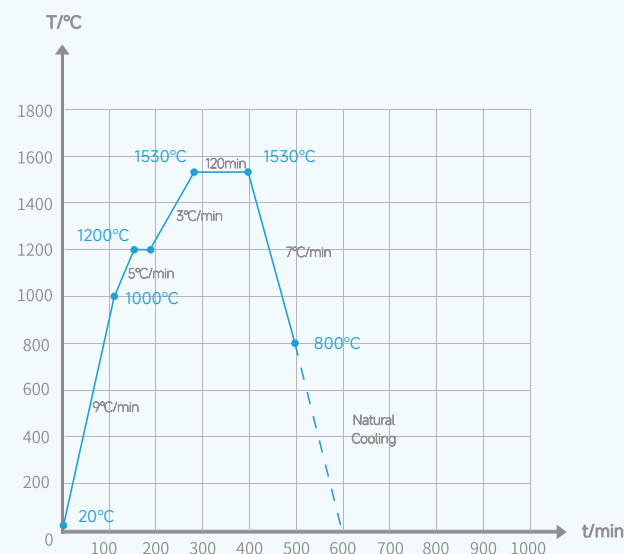
• Fast Sintering 1 to 3(3h)

HT PLUS & ST Series UT White
SHT Shaded/3D PRO ML/UT ML/4D PRO ML

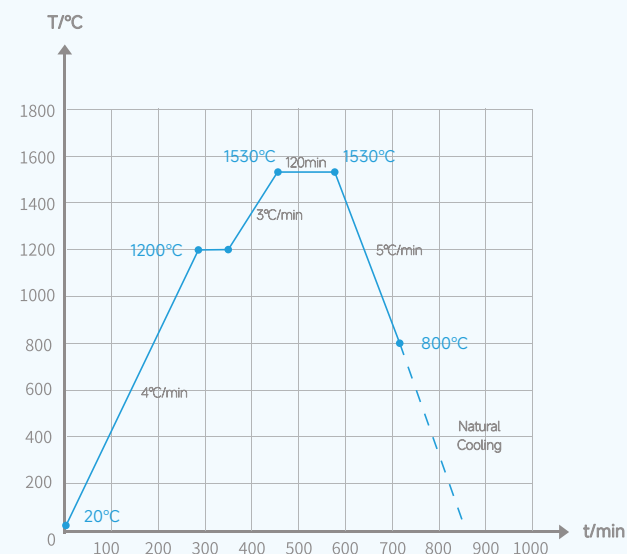


• SHT Shaded/3D PRO ML/UT ML/4D PRO ML

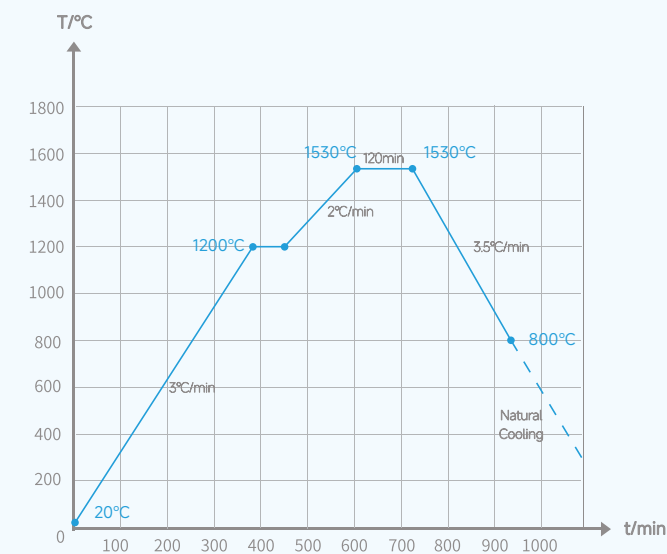
The sintering curve for 1 to 3 units (8h)



The sintering curve for 4 to 6 units (12h)

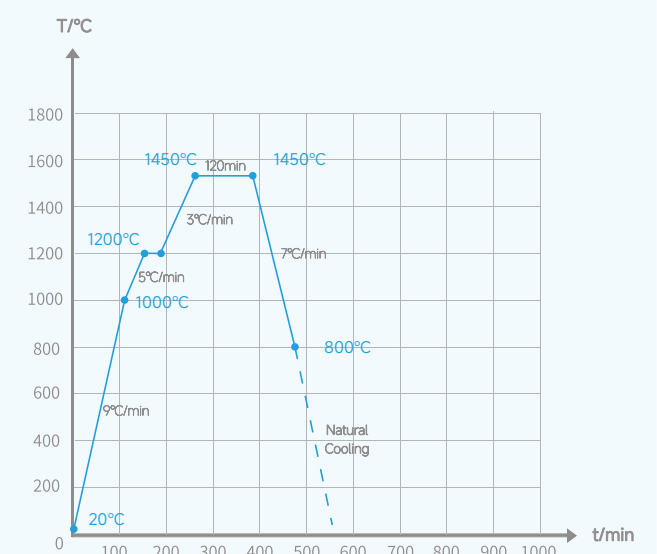


The sintering curve for more than 7 (15h)



• UT White

The sintering curve for 1 to 3 units (8h)



The final sintering result will be affected by various factors such as the accuracy of the path, impression, or digital scanning file, CAD/CAM design, milling, staining, and try-on skills. Please follow the Gusrom standard sintering procedure to achieve the desired results.

GSF 10

Lightest porcelain furnace on the market.



Intelligent Single/Dual-Curve Sintering

Lightest porcelain furnace on the market. Single-curve (P1-P25) and dual-curve modes (P26-P28) tailored for lithium disilicate crystallization, ensuring complete material transformation and aesthetic outcomes.

Adjustable Vacuum & Multi-Functional Programs

Customizable vacuum pressure (85-102%) for advanced process control. 30 preset programs, including cleaning (P29) and silver wire calibration (P30), adaptable to complex clinical workflows.

AI Precision Temp Control & Robust Structure

±0.5°C accuracy via AI algorithms. German-engineered quartz spiral chamber with densely wound heating wires and linear guides guarantees uniform temperature distribution and vibration-free durability.

Smart Touchscreen & Seamless Operation

7-inch smartphone-like touchscreen delivers intuitive control and program management, optimizing efficiency in dental labs.

Physical parameters

Touch Screen Size:	7" true color	Voltage:	220V 50/60HZ
Heating Rate:	Max 110°C/min	Power:	Max 1.5 KW
Maximum Temperature:	Max 1200°C	Furnace Core Platform:	Φ 86 mm
Maximum Temperature Holding Time:	Max 60 mins	Dimensions :	310(L)*205(W)*400(H) mm
Vacuum Level Setting Standards:	85%-102%	Net Weight: :	10.5Kg
Gross Weight:	27Kg (with Vacuum Pump 5kg)	Packing Size:	390(L)*510(W)*590(H) mm

GSF 90

Fast & Slow Integrated Zirconia Sintering Furnace



Dual-Mode Sintering Flexibility

Fast/Slow sintering modes (15 crowns in 90 minutes at fastest) adapt to lab or chairside workflows. Traditional slow sintering consumes only 8.5 kWh, balancing precision and efficiency.

Intelligent Programs & Precision Control

24 preset sintering curves (4 pre-optimized), paired with imported silicon-molybdenum chamber for color accuracy. No empty firing required, supports 3 batches/day for mass production.

Energy-Efficient Performance

Maximum 2 kW power with 2.3 kWh per cycle, enabling 5-7 hours of daily productivity, significantly reducing operational costs.

Aesthetic Excellence & Durability

Translucent, deformation-free restorations: night-mode sintering ensures next-day polishing readiness. Extended lifespan minimizes long-term procurement costs for dental labs.

Physical parameters

Touch Screen Size:	7" true color	Combustion Chamber:	Ø110mm×130mm
Rated Power:	≤2KW	Dimensions:	370 (W) ×530 (L) ×780 (H) mm
Number of Programs:	24	Net Weight:	45KG
Operating Temperature:	≤1550°C	Packing Size:	480 (W) ×700 (L) ×970 (H) mm
Maximum Temperature:	1560°C	Gross Weight:	66KG
Heating Rod Quantity & Model:	4 Rod with 1850 Type High Purity Silicon Molybdenum Rod	Heating Rate:	0 ~ 30°C/min (0 ~ 500°C) 0 ~ 20°C/min (500 ~ 1200°C)

GSM 5D

Dry Milling



Industrial-Grade Precision & Full Servo Drive

Integrated high-performance castings, industrial ball screws, and imported electronic components ensure 24/7 reliability with micron-level accuracy, resistant to deformation under heavy loads.

Five-Axis Linkage & Adaptive Machining

Five-axis linkage with B-axis 90° multi-angle processing and breakpoint resume function, ideal for complex dental prosthetics (e.g., zirconia crowns, bridges).

High-Speed Spindle & Tool Management

60,000rpm spindle enables rapid milling. Drill wear monitoring and lifespan control system optimize tool usage and batch production consistency.

Intuitive Interface & Safety Assurance

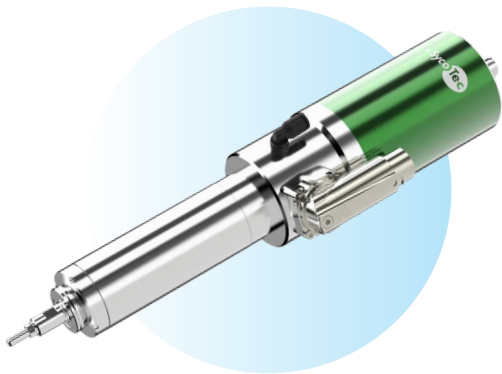
Machine intelligent air-pressure protection and user-friendly interface enhance operational safety and efficiency for both technicians and novices.

Physical parameters

Axis number:	five-axis linkage	Voltage:	220V 50/60HZ
Milling method:	dry milling	Power:	Max 1.5 KW
Material size:	98mm diameter, 10-30mm thickness disc	Furnace Core Platform:	Φ 86 mm
Spindle speed:	0~60000rpm/500W	Dimensions :	310(L)*205(W)*400(H) mm
Drive:	full servo motor	Net Weight: :	10.5Kg
Milling bur:	10 pcs (Diameter: 4mm)	Packing Size:	390(L)*510(W)*590(H) mm
Milling types:	inner crown, full crown, bridge, inlay, onlay, veneer, bracket		

GSM 5W

Wet Milling



Five-Axis Vertical Precision Architecture

Industrial-grade ball screws and full servo drive system deliver micron-level accuracy, optimized for high-efficiency vertical five-axis milling of intricate dental prosthetics.

Titanium Processing & Adaptive Workflow

Enables 90° machining of pre-milled titanium blanks and breakpoint resume function, ensuring seamless production of complex geometries.

Multi-Material Versatility & Speed

Processes crowns, inlays, veneers, and interface bases (25 mins/unit) with lithium disilicate milling in 10-30 mins/unit, meeting diverse clinical restoration demands.

User-Centric Intelligent Interface

Intuitive interface design reduces operational complexity, accelerating workflow efficiency in high-volume dental labs.

Physical parameters

Axis number:	five-axis linkage	Size:	530*650*760mm
Milling method:	wet milling	Weight:	145KG
Stroke range:	X/Y/Z: 200-120-120 A: 360° B: -38°~+135°	Required air pressure:	4.5-7.5bar
Spindle speed:	0~60000rpm/500W	Compressed air flow:	about 50L/min
Drive:	full servo motor	Power:	1500W
Milling bur:	10 pcs (Diameter: 4mm)	Power supply:	220-230V AC, 50/60HZ
Milling materials:	PMMA, lithium disilicate, pre-milled titanium blank		

GSM 5T

5-Axis Precision Complex Surface Machining



Case 1



5-Axis Precision Machining & Optimized Efficiency

5-axis spatial tool positioning enables single-clamp multi-surface milling of full-anatomy crowns, custom abutments, and surgical guides. Optimized tool paths reduce idle time by 40%, with 30% higher material yield for zirconia/titanium alloys.

Multi-Axis Surface Finishing & Material Versatility

Optimal tool angles via multi-axis coordination achieve surface roughness $\leq 0.2\mu\text{m}$, minimizing post-polishing. High-torque spindle handles diverse restorations from single crowns to full-arch frameworks.

Digitalized Precision Medicine & Adaptive Control

Seamless CAD/CAM integration replicates patient-specific occlusal morphology. Breakpoint resume and B-axis 90° machining ensure error-free production of implant guides and bespoke prosthetics.

Industrial-Grade Human-Machine Synergy

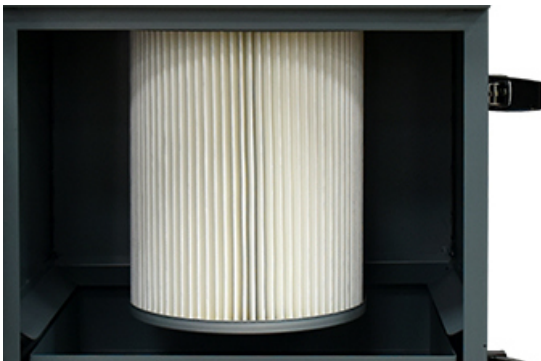
Collision prevention system paired with GUI simplifies operation, supporting 24/7 uninterrupted production with minimal technician intervention.

Physical parameters

Axis number:	five-axis linkage	Size:	595*760*1650mm
Milling method:	wet milling	Processing accuracy:	$\pm 0.01\text{mm}$
Stroke range:	X/Y/Z: 230-120-100 A: 360° B: $-150^\circ \sim +25^\circ$	Required air pressure:	4.5-7.5bar
Spindle speed:	0~60000rpm/1.8KW	Compressed air flow:	about 120L/min
Drive:	full servo motor	Power:	2.5KW
Milling burs:	16 pcs(Diameter: 6mm)	Power supply:	220-230V AC, 50/60HZ
Milling materials:	titanium disc, PMMA, lithium disilicate, pre-milled titanium blank	Weight:	360KG
Processable types:	veneer, inlay, onlay, full crown, implant upper restoration		

GSM V0

Vacuum Cleaner



Stepless Speed Adjustment
Pulse automatic cleaning of powder

High-Efficiency Dust Extraction

High-torque motor generates ≥3000Pa suction power, rapidly removing zirconia debris to maintain ISO 14644-1 compliant clean zones around dental milling systems.

Medical-Grade Filtration

HEPA-grade filters (0.3μm@99.97% efficiency) capture nano-scale zirconia particles, eliminating airborne contamination risks.

Targeted Airflow Design

Anti-static ducts with cyclonic separation technology prevent zirconia dust accumulation, engineered for high-density ceramic particle characteristics.

Silent Operation Technology

Brushless motor and multi-chamber noise reduction achieve ≤55dB(A) operation, enabling 24/7 workflow in dental clinics.

Physical parameters

Working voltage:	220V	Weight:	35KG
Working current:	5.5A	Dimensions (mm):	450*420*665
Power:	1200W	Pressure:	1600Pa
Rated frequency:	50HZ/60HZ	Air flow rate:	200m³/hour
Packing Size:	390(L)*510(W)*590(H) mm	Noise:	(dB) <60dB

Milling Burs



Wieland

Roland

Imes-Icore

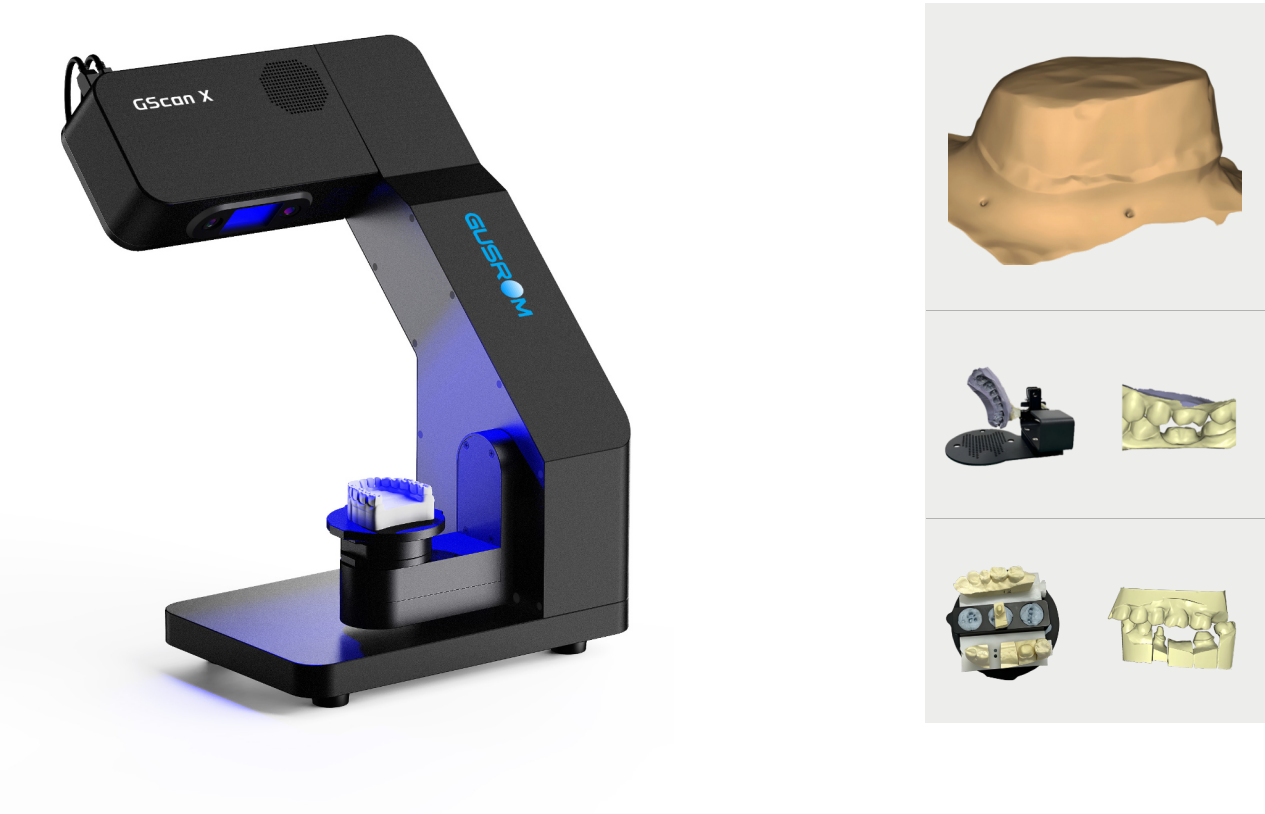
VHF

Amann Girrbach

ARUM

GScan X

Fast scanning



Basic Version:

1.8MP, Fast scanning speed: full dental arch scanning time 12s, wide application scenarios – suitable for unsegmented, segmented, impressions, post and core, texture, etc.

GScan X has the most user-friendly interface, fully open design and metal body to ensure the stability and durability of the scanner. It supports full module repair scanning, and the software strategy upgrade greatly improves the scanning integrity.

Physical parameters

Scanning Accuracy:	<10μm	Data Interface:	USB3.0
Camera Resolution:	2*1.8MP	Input Power supply:	24V
Data Output Format:	STL、PLY、OBJ	Scanning Time:	Full arch scan 12s Full arch impression25s Occlusion 4s All in one 18s Double-sided imoression 48s
Equipment Weight:	9KG		

GScan Y

Higher Clarity, Higher Precision



Upgraded Version:

3.0MP, higher clarity, higher precision, realistic texture and color, simple operation, fast speed, meeting most customer needs.

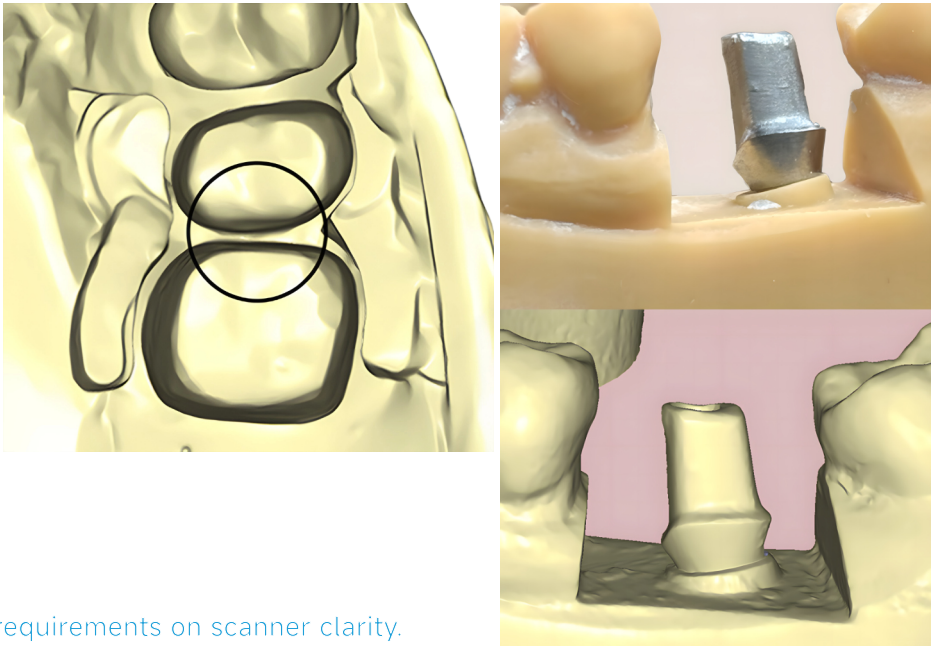
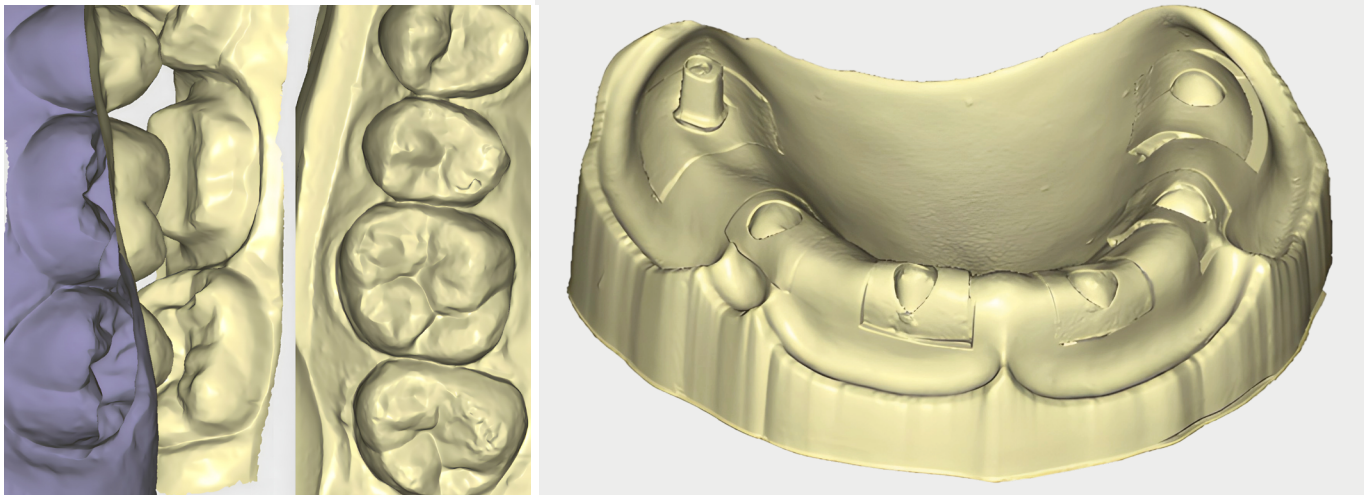
GScan Y equipped with 2*3.0MP lenses, 8 micron accuracy, high cost performance, wide application range, simple operation, suitable for unsegmented, segmented, impression, post and core, texture, and implant scanning.

Physical parameters

Scanning Accuracy:	<8μm	Data Interface:	USB3.0
Camera Resolution:	2*3.0MP	Input Power supply:	24V
Data Output Format:	STL、PLY、OBJ	Scanning Time:	Full arch scan 12s Full arch impression25s Occlusion 4s All in one 18s Double-sided imoression 48s
Equipment Weight:	9KG		

GScan Z

high-precision 3D scanner



High-precision Version:

suitable for customers with high requirements on scanner clarity.

GScan Z high-precision 3D scanner, equipped with 2*5.0MP lenses, can accurately capture edge details with 5μm accuracy, optimize the design process and improve design accuracy. With the new 2.0 version of software, the operation is simpler and more efficient. It is a powerful assistant for the digital transformation of dentistry in the new era.

Physical parameters

Scanning Accuracy:	<5μm	Data Interface:	USB3.0
Camera Resolution:	2*5.0MP	Input Power supply:	24V
Data Output Format:	STL、PLY、OBJ	Scanning Time:	Full arch scan 12s Full arch impression25s Occlusion 4s All in one 18s Double-sided imoression 48s
Equipment Weight:	9KG		