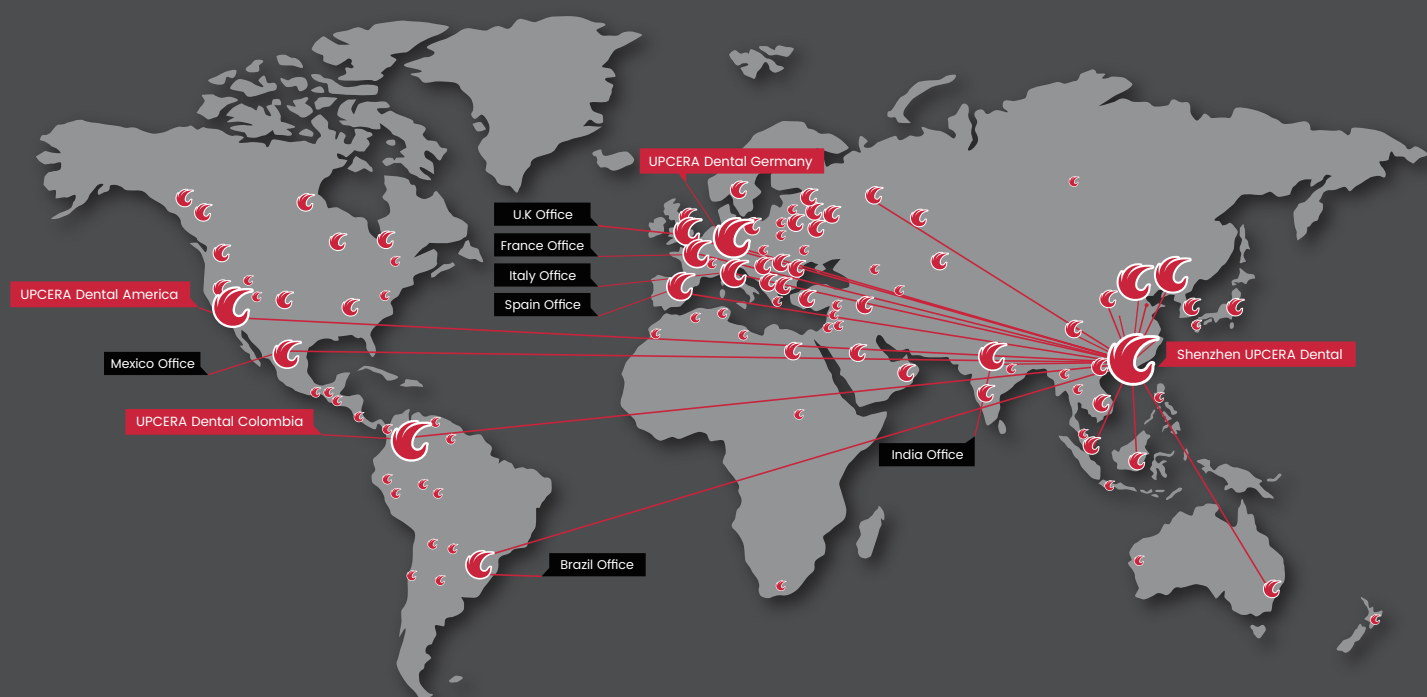








Going out to the world,
and becoming a leading force
in the development of global dentistry.



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Date information prepared: 2024-12-20/Rev.0

PRODUCT CATALOG

Reliable Materials Expert

UPCERA



Reliable Materials Expert



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Better Materials Better Life

Upcera is dedicated to the R&D and innovation of material technology. Its products focus on dental applications for clinics and laboratories, offering systematic dental ceramics solutions. Today, the company's business covers 110 countries and regions throughout the world, in Asia, North America, Europe, and is committed to providing reliable and affordable dental restoration solutions for global dental professionals.

10+ Years
of Dedicated R&D

25 Countries
Product Certifications

120+ Items
Dental Patents

50+ Items
Authorized Certifications
for Medical Devices

Providing Reliable And
Affordable Dental Restoration
Solutions For Dental Professionals
Around The World.

ALL CERAMIC FAMILY

For All Your Needs



UPCERA Zirconia Family



*Test results following ISO 6872

Indication Guide

Suitable for All Indications

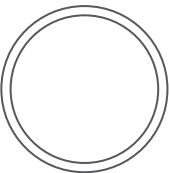
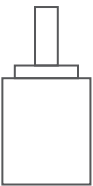
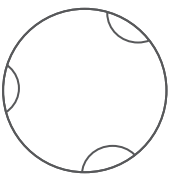
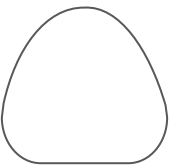
Indications	EXPLORE HYBRID	EXPLORE FUNCTIONAL	EXPLORE ESTHETIC	TT WHITE	TT MULTILAYER	TT-ONE WHITE	TT-ONE PRE-SHADED	TT-ONE MULTILAYER	HT WHITE	ST WHITE	ST PRE-SHADED	ST MULTILAYER
Inlay, Onlay, Veneer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Substructure anterior and posterior crown	✓	✓	✓	★	✓	★	★	✓	★	★	★	★
Fully anatomical anterior and posterior crown	✓	★	★	✓	★	✓	✓	★	✓	✓	✓	✓
Max. 3-unit fully anatomical anterior bridges (with no more than one pontic)*	✓	✓	★	✓	★	✓	✓	✓	✓	✓	✓	✓
Max. 3-unit fully anatomical posterior bridges (with no more than one pontic)*	✓	★	★	✓	★	✓	✓	★	✓	✓	✓	★
Max. 3-unit substructures (with no more than one pontic)*	✓	★	✓	✓	✓	✓	★	★	★	★	★	★
Fully anatomical multi-unit bridges (≥4-unit, with no more than 2 contiguous pontics)*	✓	★	×	×	×	✓	✓	★	✓	✓	✓	✓
Substructures multi-unit bridges(≥4-unit, with no more than 2 contiguous pontics)*	✓	★	×	×	×	★	★	★	★	★	★	★
Implant-supported single unit	★	★	★	✓	✓	✓	✓	★	✓	✓	✓	✓
Implant-supported multi-unit/fixed complete dental prosthesis*	★	★	×	×	×	✓	✓	✓	✓	✓	✓	✓

★ Highly recommended ✓ Available for this indication × Not indicated

* Based on the design principles of fixed restorations.
Due to the regulation, these indications may be different in your region

Specification

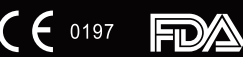
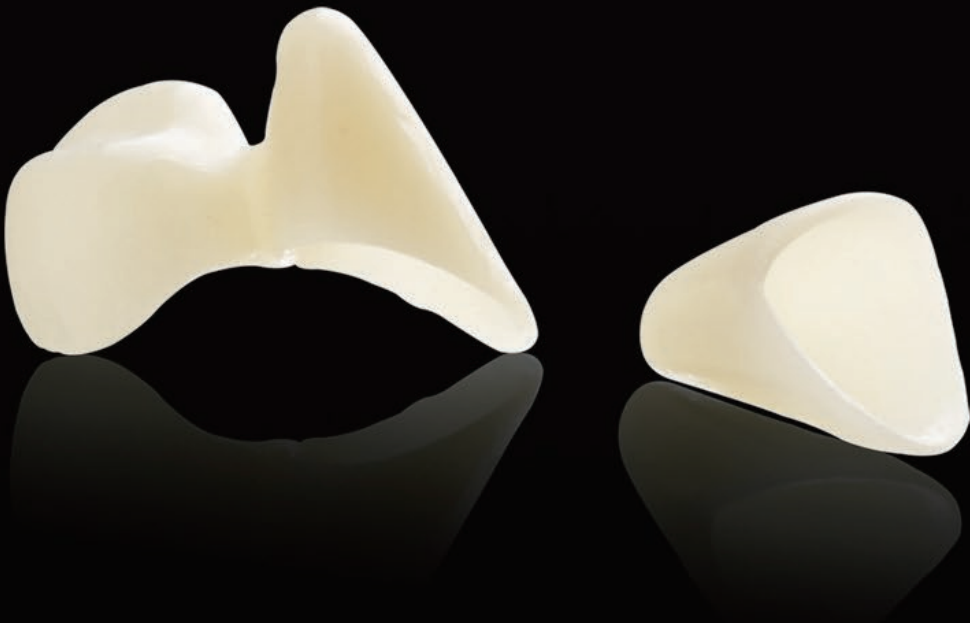
All Popular Systems Available

Applied For	Specification(mm)	Package	HT White	ST White	ST Pre-shaded	ST Multilayer	TT White	TT Multilayer	TT-ONE White	TT-ONE Pre-shaded	TT-ONE Multilayer	Explore Functional	Explore Esthetic	Explore Hybrid
 Open CAD/CAM System	D98x10 (stepless)	1pc/box	●	●	●		●		●	●				
	D98x12 (step&stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98x14 (step&stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98x16 (step&stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98x18 (step&stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98x20 (step&stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98x22 (step&stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98x25 (step&stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98x30 (step&stepless)	1pc/box		●	●									●
 Cerec in lab (Sirona) System	20x14x15	12pcs/box	●	●	●									
	20x19x15	10pcs/box	●	●	●						●	●	●	
	40x14x15	8pcs/box	●	●	●									
	40x19x15	6pcs/box	●	●	●						●	●	●	
	55x19x15	5pcs/box	●	●	●						●	●	●	
	65x25x22	4pcs/box	●	●	●						●	●	●	
	85x40x22	2pcs/box	●	●	●									
 Zirkonzahn CAD/CAM System	D95x10	1pc/box	●	●	●									
	D95x12	1pc/box	●	●	●		●		●	●				
	D95x14	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95x16	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95x18	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95x20	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95x22	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95x25	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
 Amann Girrbach CAD/CAM System	89x71x10	1pc/box	●	●	●									
	89x71x12	1pc/box	●	●	●									
	89x71x14	1pc/box	●	●	●	●	●	●			●	●	●	
	89x71x16	1pc/box	●	●	●	●	●	●			●	●	●	
	89x71x18	1pc/box	●	●	●	●	●	●			●	●	●	
	89x71x20	1pc/box	●	●	●	●	●	●			●	●	●	
	89x71x22	1pc/box	●	●	●	●	●	●			●	●	●	
	89x71x25	1pc/box	●	●	●	●	●	●			●	●	●	

HT White

UPCERA HT White, made of 3Y-TZP, is a high translucent zirconia blank used for monolithic or anatomically reduced anterior restorations and framework bridges with porcelain build-up. It offers a good choice of high strength to the labs.

- Ideal for coping and framework
- Ultra-high strength, reduces the fracture risk



Translucency
39%



Strength
1300 MPa

Physical Characteristics

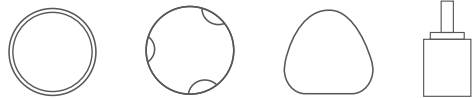
Density after sintering	>6.02g/cm ³
CTE* (25-500°C)	(10.5±0.5) x10 ⁻⁶ K ⁻¹
Accelerated aging surface monoclinic phase content	<10%
Chemical solubility after sintering	<100µg/cm ²
Radioactivity	≤1.0Bq/g
Sintering temperature	1530°C

*Linear thermal expansion

Chemical Composition

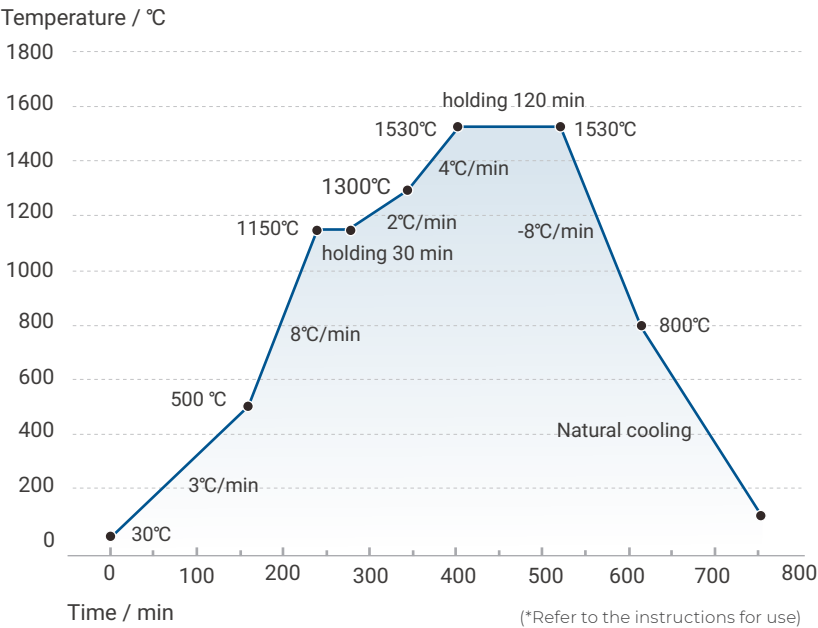
ZrO ₂ + HfO ₂	94%-95%
Y ₂ O ₃	4.5%-6%
Al ₂ O ₃	<0.5%
Other oxides	<0.5%

System Available

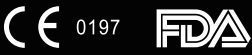


Open CAD/CAM System, Zirkonzahn CAD/CAM System, Amann Girrbach CAD/CAM System, Cerec in lab (Sirona) System

Sintering program



Zirconia all-ceramic aesthetic restorations begin with the classic pre-shaded zirconia—UPCERA ST. Today, it offers multiple options, including White, Pre-shaded, and Multilayer variants. With a flexural strength of 1300 MPa, ST is a truly versatile “all-purpose” solution.



ST Series

- ▶ ST WHITE
- ▶ ST PRE-SHADED
- ▶ ST MULTILAYER



ST Series

Physical Characteristics	ST White	ST Pre-shaded	ST Multilayer
Density after sintering	>6.02g/cm ³	>6.02g/cm ³	>6.02g/cm ³
CTE* (25-500°C)	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹
Accelerated aging surface monoclinic phase content	<15%	<15%	<15%
Chemical solubility after sintering	<100µg/cm ²	<100µg/cm ²	<100µg/cm ²
Radioactivity	≤1.0Bq/g	≤1.0Bq/g	≤1.0Bq/g
Sintering temperature	1530°C	1530°C	1530°C
Chemical Composition			
Zirconia powder	-	>98%	>98%
Fe ₂ O ₃	-	<0.3%	<0.3%
Pr ₂ O ₃	-	<0.2%	<0.2%
Er ₂ O ₃	-	<1.0%	<1.0%
ZrO ₂ + HfO ₂	94%-95%	-	-
Y ₂ O ₃	4.5%-6%	-	-
Al ₂ O ₃	<0.5%	-	-
Other oxides	<0.5%	<1.2%	<1.2%

*Linear thermal expansion

ST White

Individual infiltration and staining techniques of ST White can create restorations with great esthetic effects. It is suitable for a wide range of indications.



ST Pre-shaded

With the variety of shades, ST pre-shaded zirconia can meet most needs of dental restorations. The optimal stability and outstanding anti-aging performances make it become a good choice for dental labs.



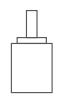


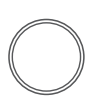


Translucency
43%



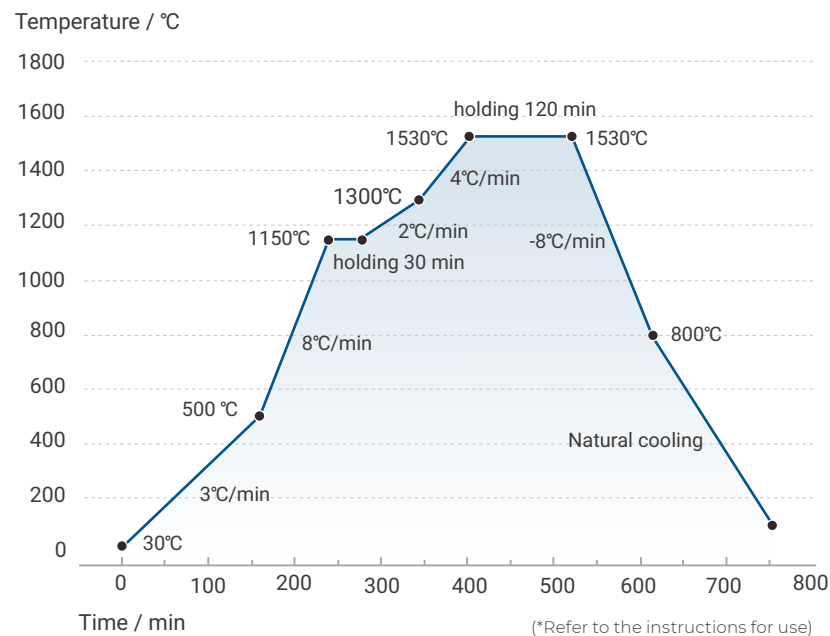
Strength
1300 MPa

System Available



Open CAD/CAM System, Zirkonzahn CAD/CAM System, Amann Girrbach CAD/CAM System, Cerec in lab (Sirona) System

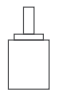



Sintering program





Strength
1300 MPa

System Available

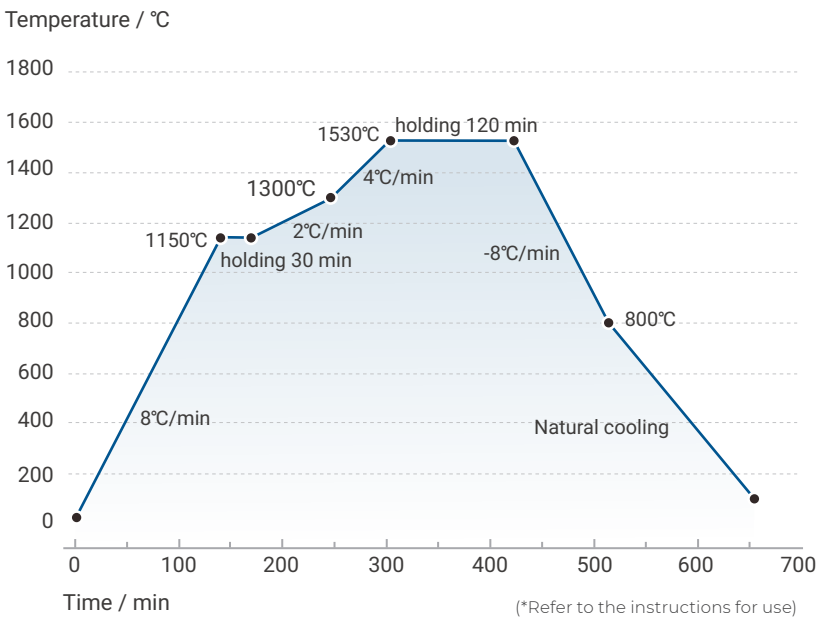


Open CAD/CAM System, Zirkonzahn CAD/CAM System, Amann Girrbach CAD/CAM System, Cerec in lab (Sirona) System

Shades

A1	A2	A3	A3.5	A4
B1	B2	B3	B4	
C1	C2	C3	C4	
D2	D3	D4		
OM1	OM2	OM3		
New	New	New		

Sintering program

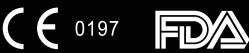


ST Multilayer

The pre-shaded multilayer zirconia offers the smooth gradient of chroma from cervical to incisal and extraordinary machinability, which becomes the first choice for full contour bridge restorations.



UPCERA TT-ONE, the worldwide popular zirconia solution, perfectly combines high strength and excellent translucency, making it suitable for all indications.



 Strength
1300 MPa

System Available

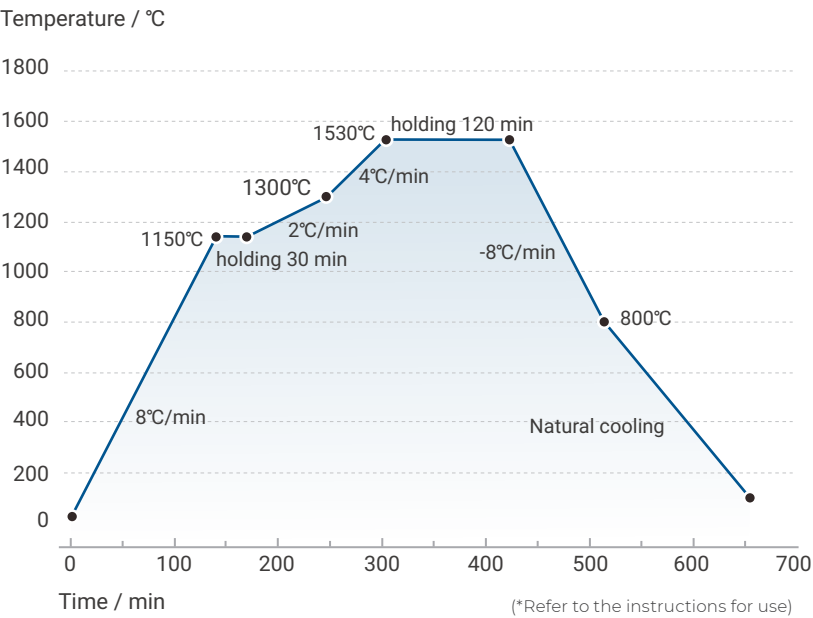


Open CAD/CAM System, Zirkozahn CAD/CAM System, Amann Girrbach CAD/CAM System,

Shades



Sintering program



TT-ONE Series

- ▶ TT-ONE WHITE
- ▶ TT-ONE PRE-SHADED
- ▶ TT-ONE MULTILAYER





TT-ONE White

TT-ONE White combines high strength and excellent translucency for all indications.



TT-ONE Series

Physical Characteristics	TT-ONE White	TT-ONE Pre-shaded	TT-ONE Multilayer
Density after sintering	>6.0g/cm ³	>6.0g/cm ³	>6.0g/cm ³
CTE* (25-500°C)	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹
Accelerated aging surface monoclinic phase content	<5%	<5%	<5%
Chemical solubility after sintering	<100µg/cm ²	<100µg/cm ²	<100µg/cm ²
Radioactivity	≤1.0Bq/g	≤1.0Bq/g	≤1.0Bq/g
Sintering temperature	1480°C	1480°C	1450°C
Chemical Composition			
ZrO ₂ + HfO ₂	86.3%-94.2%	86.3%-94.2%	86.3%-94.2%
Y ₂ O ₃	5.8%-9.7%	5.8%-9.7%	5.8%-9.7%
Al ₂ O ₃	<0.5%	<0.5%	<0.5%
Fe ₂ O ₃	<0.5%	<0.5%	<0.5%
Er ₂ O ₃	<2.0%	<2.0%	<2.0%
Other oxides	<0.5%	<0.5%	<0.5%

*Linear thermal expansion

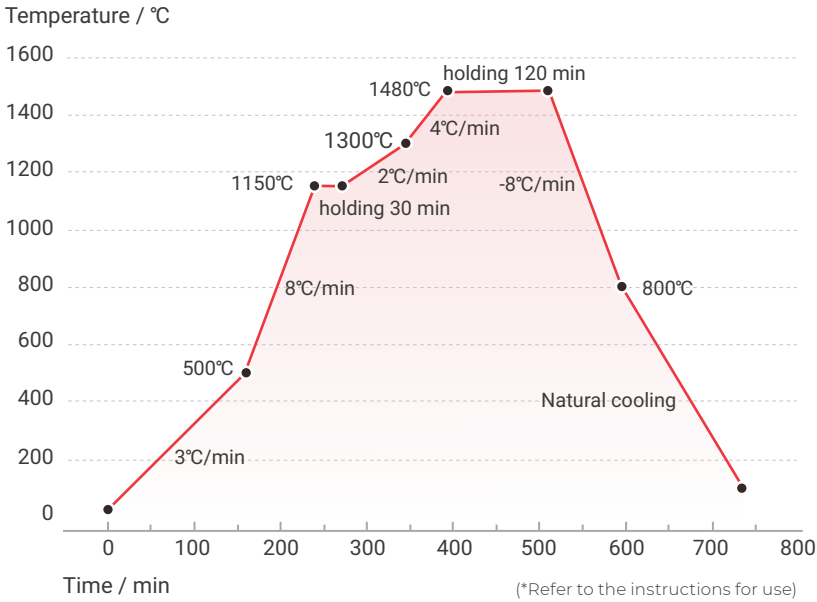
Translucency
47%

Strength
1000 MPa

System Available

Open CAD/CAM System,
Zirkonzahn CAD/CAM System

Sintering program



TT-ONE Pre-shaded

The pre-shaded zirconia is available in 16 VITA classical shades and 2 bleach shades. It is easy to operate with good stability and efficiency.



TT-ONE Multilayer



This multilayer zirconia offers high strength and excellent aesthetic effects with no lines, which is available in 16 VITA classical shades.





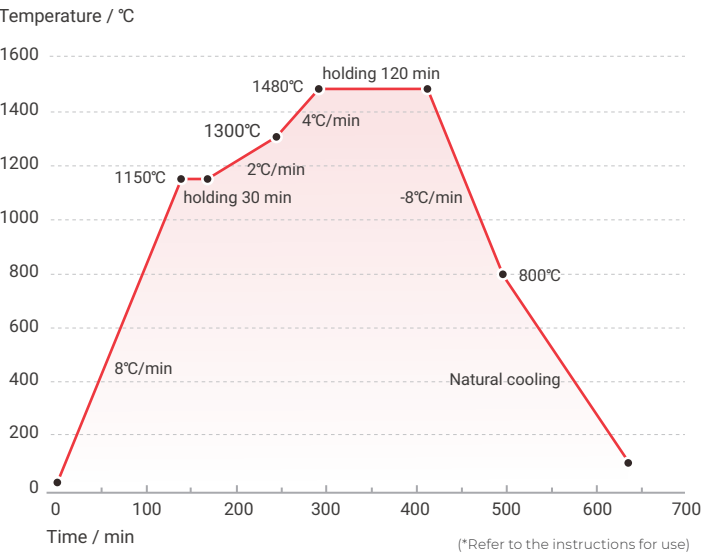
Strength
1000 MPa

System Available

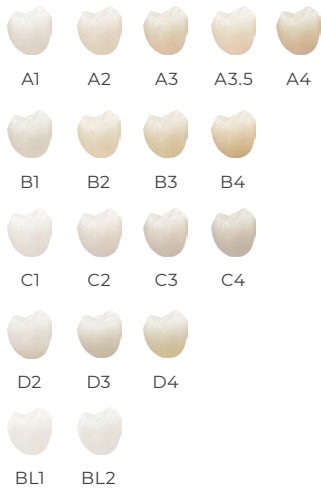



Open CAD/CAM System,
 Zirkonzahn CAD/CAM System

Sintering program







Shades





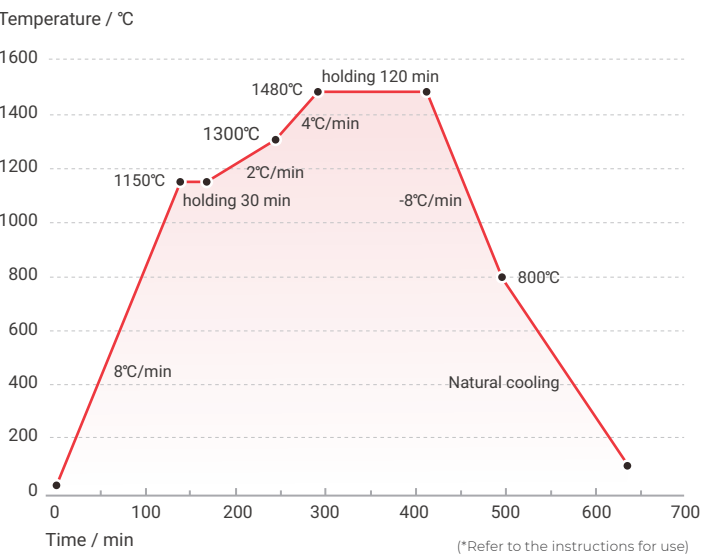
Strength
1000 MPa

System Available

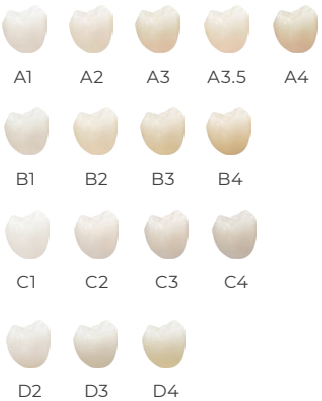





Open CAD/CAM System, Zirkonzahn CAD/CAM System,
 Amann Girrbach CAD/CAM System, Cerec in lab (Sirona) System

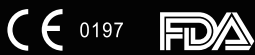
Sintering program



Shades



- Superior light transmittance
- No need for veneering porcelain
- For true-to-life anterior restoration
- Seamless transition of color



TT Series

- ▶ TT WHITE
- ▶ TT MULTILAYER



TT Series

Physical Characteristics	TT White	TT Multilayer
Density after sintering	>6.0g/cm ³	>6.0g/cm ³
CTE* (25-500°C)	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹
Accelerated aging surface monoclinic phase content	<5%	<5%
Chemical solubility after sintering	<100µg/cm ²	<100µg/cm ²
Radioactivity	≤1.0Bq/g	≤1.0Bq/g
Sintering temperature	1450°C	1450°C
Chemical Composition		
ZrO ₂ + HfO ₂	86.3%-94.2%	86.3%-94.2%
Y ₂ O ₃	5.8%-9.7%	5.8%-9.7%
Al ₂ O ₃	<0.5%	<0.5%
Fe ₂ O ₃	<0.5%	<0.5%
Er ₂ O ₃	<2.0%	<2.0%
Other oxides	<0.5%	<0.5%

*Linear thermal expansion

TT White

TT White offers the highest translucency, making it ideal for anterior and posterior restorations of up to 3 units. When combined with infiltration and staining techniques, it achieves excellent aesthetic results.



TT Multilayer

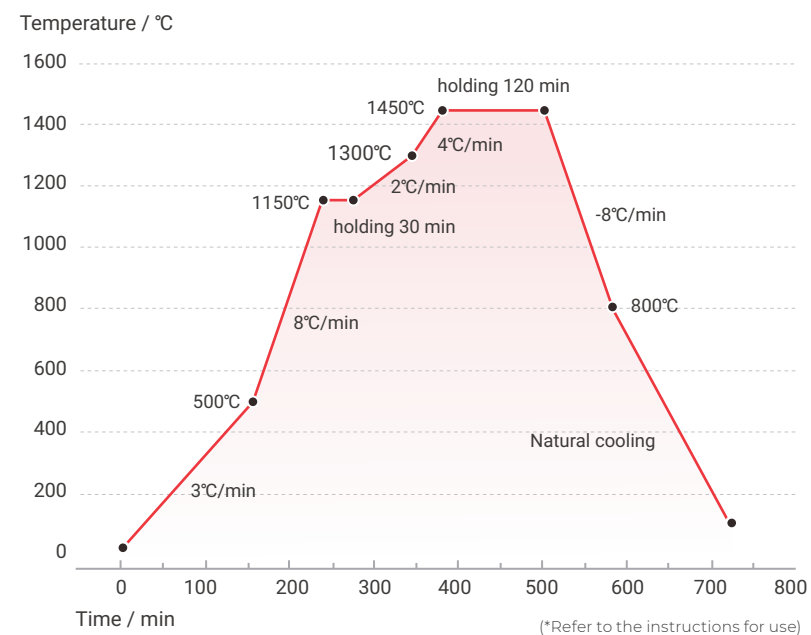
TT multilayer zirconia is gradient and pre-shaded, available in 16 VITA classical shades. It offers excellent aesthetics with no porcelain required.



System Available



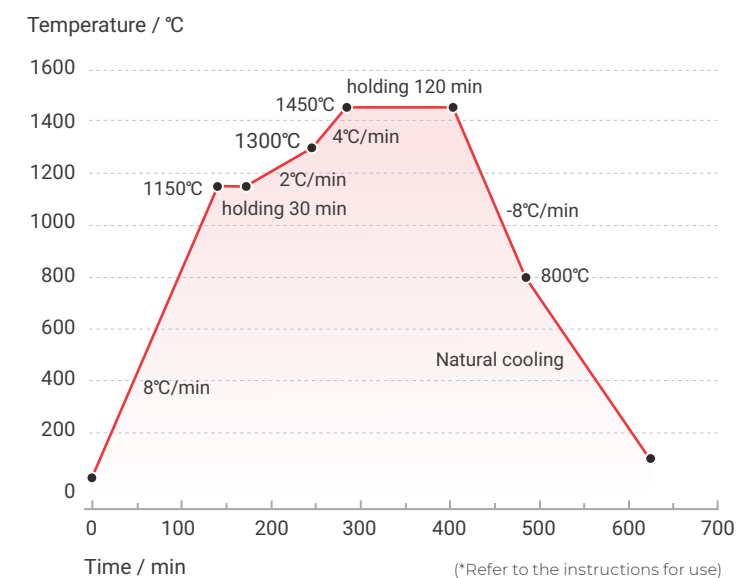
Sintering program



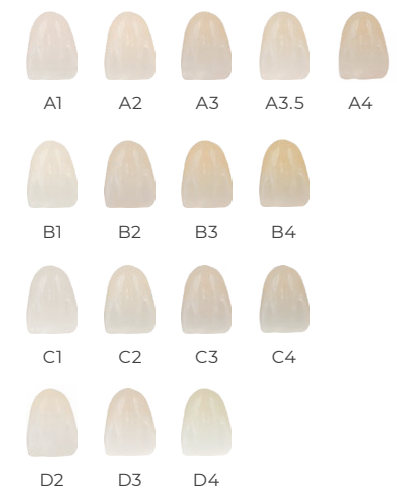
System Available



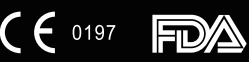
Sintering program



Shades



UPCERA Explore is an innovative and revolutionary zirconia that strikes the perfect balance between strength and translucency. With its functional and aesthetic properties, it enables the creation of natural-looking restorations in less time. Try Explore to streamline your workflow and boost the profitability of your laboratory.



Explore Series

- ▶ EXPLORE FUNCTIONAL
- ▶ EXPLORE ESTHETIC
- ▶ EXPLORE HYBRID



Explore Series

Physical Characteristics	Explore Hybrid	Explore Functional	Explore Esthetic
Density after sintering	≥6.0g/cm ³	≥6.0g/cm ³	≥6.0g/cm ³
CTE* (25-500°C)	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹
Accelerated aging surface monoclinic phase content	<5%	<5%	<5%
Chemical solubility after sintering	<100µg/cm ²	<100µg/cm ²	<100µg/cm ²
Radioactivity	≤1.0Bq/g	≤1.0Bq/g	≤1.0Bq/g
Sintering temperature	1480°C	1480°C	1480°C
Chemical Composition			
ZrO ₂ + HfO ₂	86.3-94.2%	86.3-94.2%	86.3%-94.2%
Y ₂ O ₃	5.8%-9.7%	5.8%-9.7%	5.8%-9.7%
Al ₂ O ₃	<0.5%	<0.5%	<0.5%
Fe ₂ O ₃	<0.5%	<0.5%	<0.5%
Er ₂ O ₃	<2.0%	<2.0%	<2.0%
Others oxides	<0.5%	<0.5%	<0.5%

*Linear thermal expansion

Explore Hybrid

This product seamlessly integrates aesthetics and functionality, offering laboratories a simple and efficient workflow. It enables the simultaneous restoration of soft and hard tissues, achieving a natural 'White-and-Pink' aesthetics.

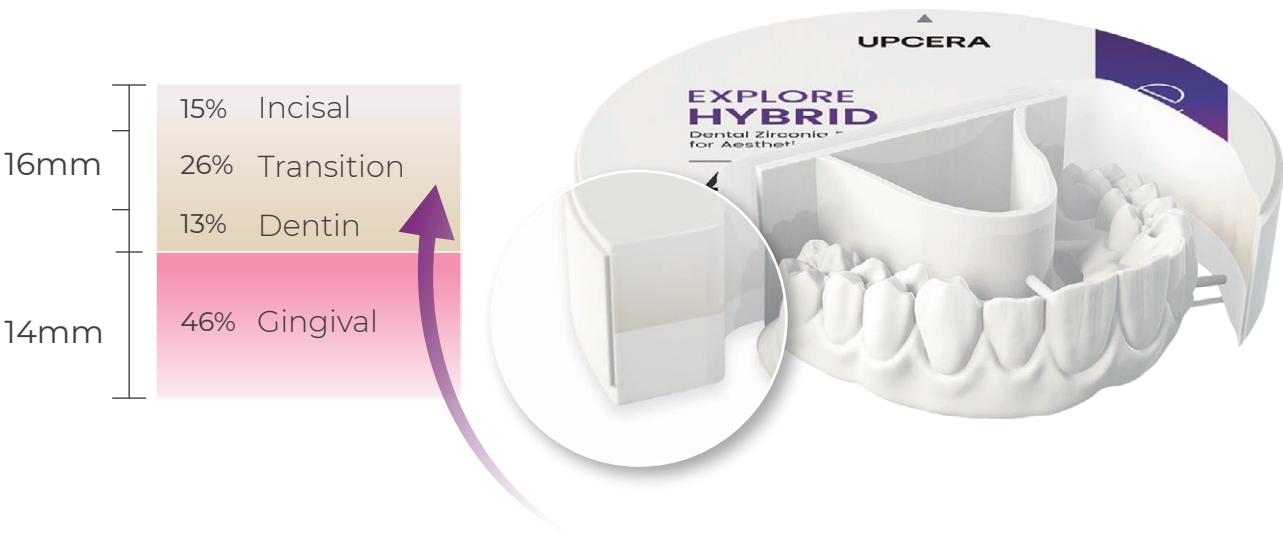
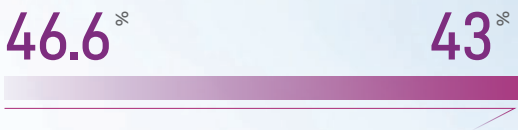
Optimum Indications

- Full-arch restorations

STRENGTH



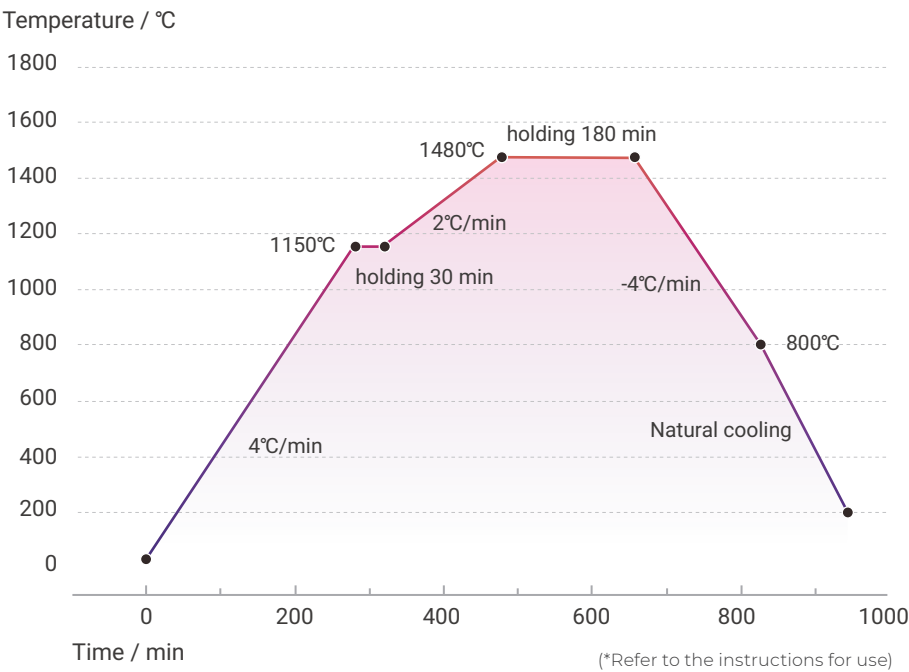
TRANSLUCENCY



Shades



Sintering program



Explore Functional

Explore Functional is a kind of zirconia with gradient translucency and strength. Due to the simple operation and natural-tooth aesthetic effects, it is a good choice for posterior restorations and suitable for chair-side restoration.

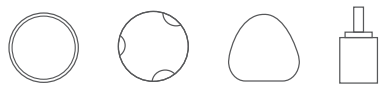


Explore Esthetic

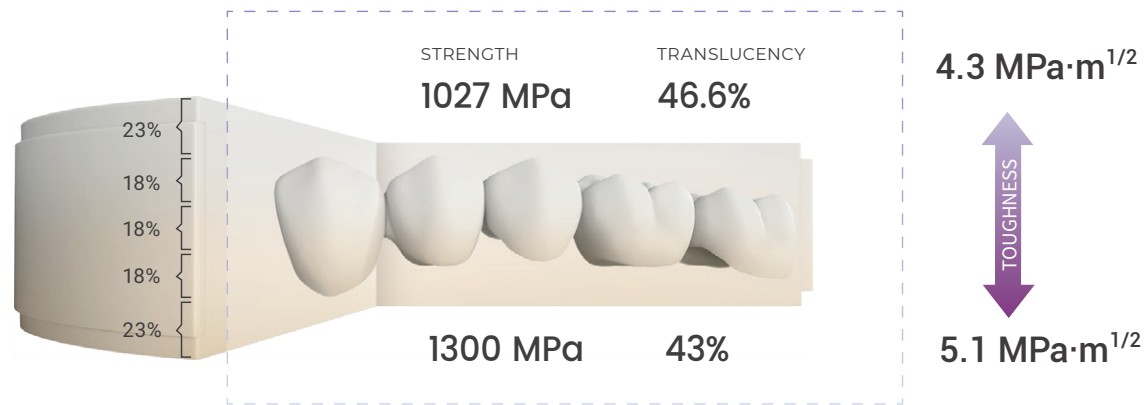
Explore Esthetic is a kind of multilayer zirconia with gradient strength. Its translucency is higher, so it is better suitable for anterior restorations with higher esthetic requirements.



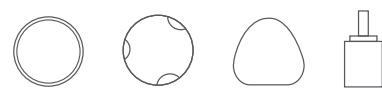
System Available



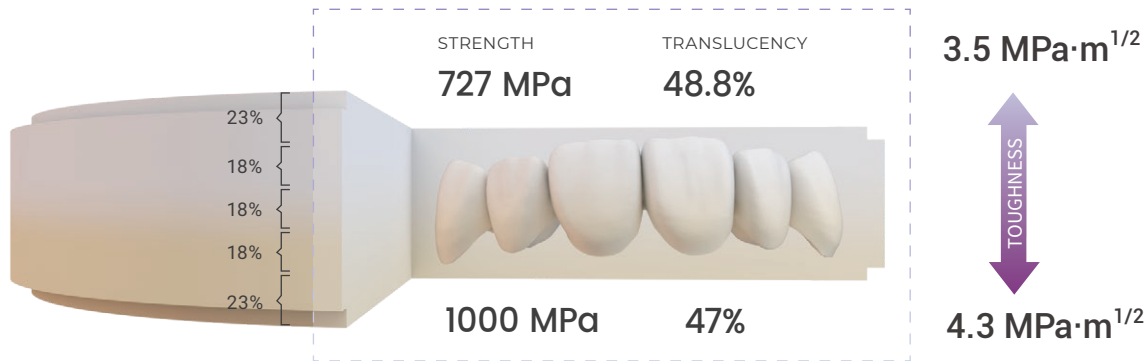
Open CAD/CAM System, Zir Konzahn CAD/CAM System, Amann Girrbach CAD/CAM System, Cerec in lab (Sirona) System



System Available



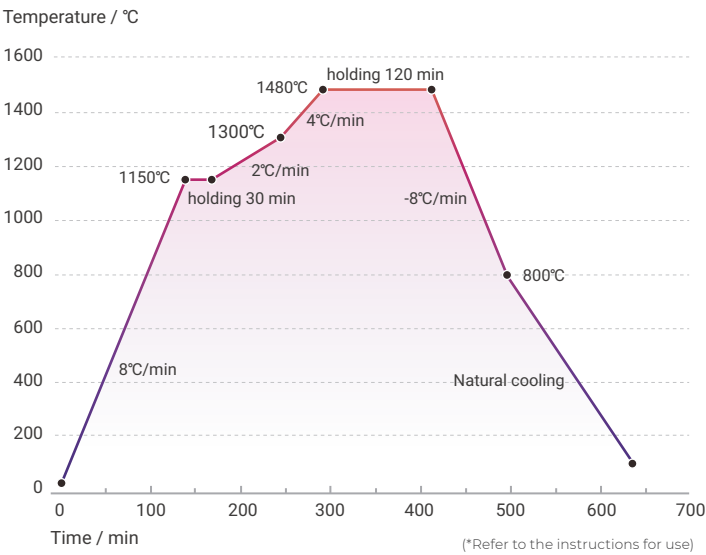
Open CAD/CAM System, Zir Konzahn CAD/CAM System, Amann Girrbach CAD/CAM System, Cerec in lab (Sirona) System



Shades



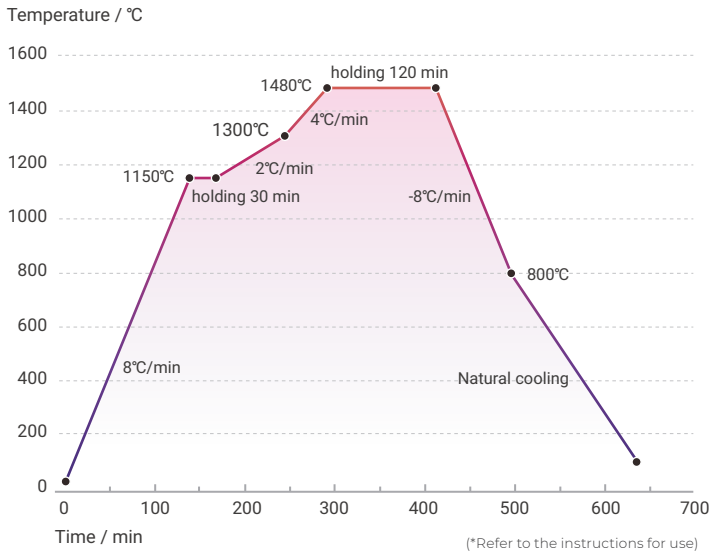
Sintering program



Shades



Sintering program



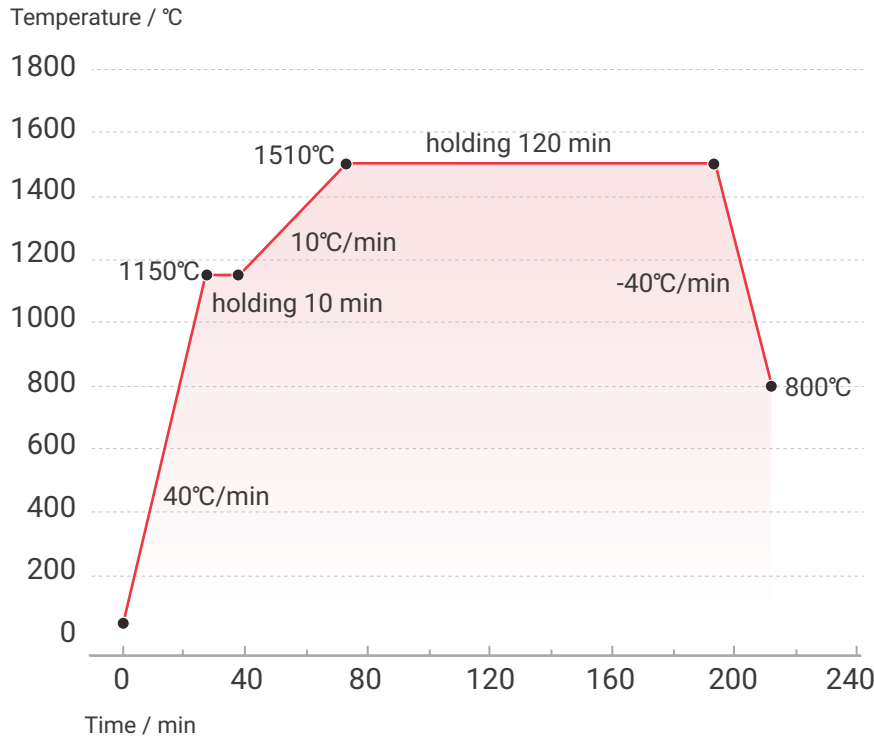


Fast Sintering Program

Max. 3 units bridges with no more than 1 pontic

4h Fast Sintering Program

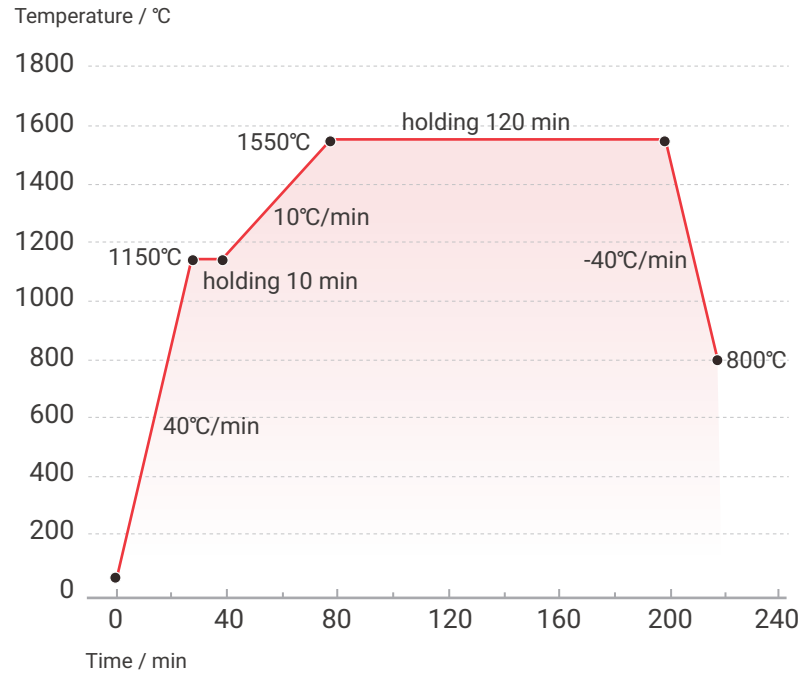
TT-One Preshaded, TT-One Multilayer, Explore Functional



*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.

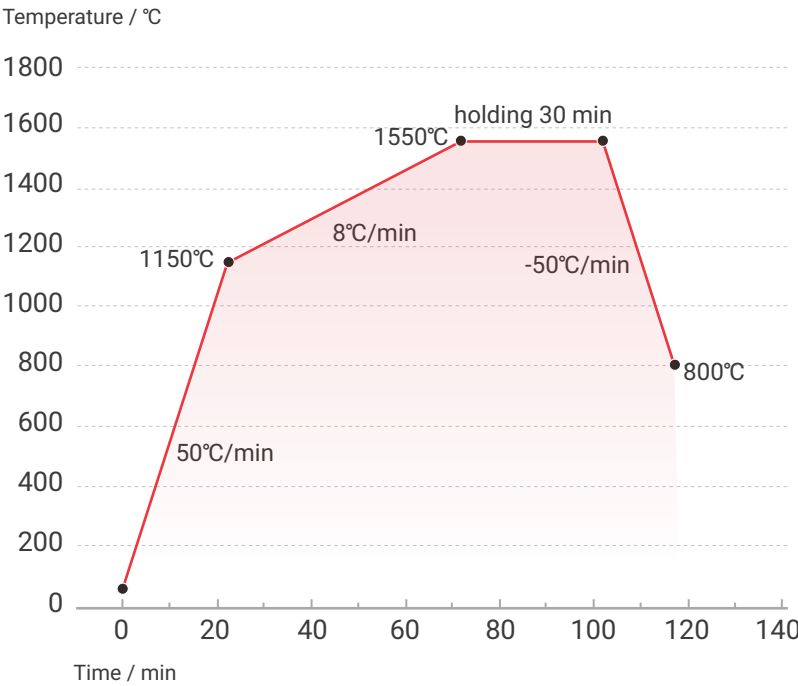
4h Fast Sintering Program

ST Pre-shaded, ST Multilayer



2h Fast Sintering Program

ST Pre-shaded, ST Multilayer, TT-One Preshaded, TT-One Multilayer, Explore Functional (without pontic)



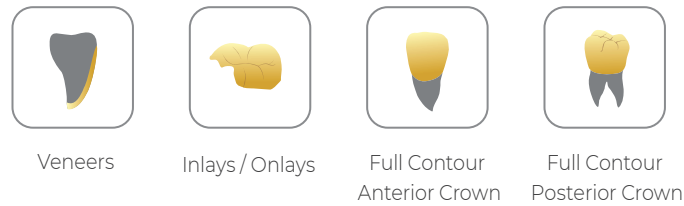
Hyramic

- **Exceptional Durability**
High flexural and compressive strength for long-lasting restorations
 - **Natural Harmony**
Outstanding shade, translucency and superior stain resistance for lifelike aesthetics
- **Stress Relief**
Tooth-like elasticity reduces stress transfer for enhanced performance
 - **Seamless Efficiency**
No firing required; precise milling, fast polishing, and repairability streamline chairside workflows

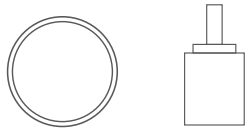


Chemical Composition	Resin polymers	43%
	Inorganic filler	55%-85%
	Additive	<1%
	Colorant	<1%
Technical Parameters	Water absorption	≤40µg/cm ³
	Solubility in water	≤7.5µg/cm ³

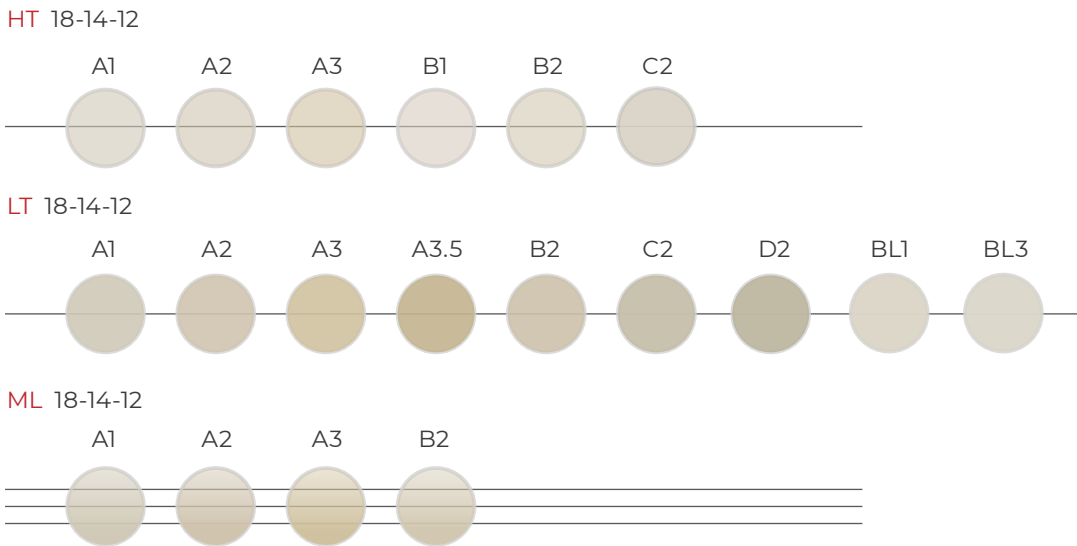
Indications



System Available



Available for Single & Multilayer Shades



DENTAL CONSUMABLES



Colouring Liquids

- Match with VITA Classic 16 Shades
- Special Liquid for Ideal Individualisation

Application	Shades	Volume
Dentin Area	16 shades (HT \ ST \ TT) <div><div>A1</div><div>A2</div><div>A3</div><div>A3.5</div><div>A4</div><div>B1</div><div>B2</div><div>B3</div><div>B4</div><div>C1</div><div>C2</div><div>C3</div><div>C4</div><div>D2</div><div>D3</div><div>D4</div></div>	50ML
Fossa Area	<div><div>O1</div><div>O2</div></div>	50ML
Incisal Area	<div><div>G1</div><div>G2</div></div>	50ML
Gingival Area	<div><div>P1</div><div>P2</div><div>P3</div></div>	50ML
Visible Coloring Liquid	<div><div>Blue</div><div>Brown</div><div>Purple</div><div>Pink</div></div>	30ML
Diluent	<div><div>E0</div></div>	50ML
Transparent Treatment Liquid	<div><div>T0</div></div>	50ML

Realism Glaze Paste

The Realism Stain and Glaze Paste Kit offers a wide range of colors and is ideal for all ceramic restorations. Its user-friendly application enables quick staining and glazing, delivering natural-looking results.

Optimized for

- Zirconia and Lithium Disilicate



BASIC

BASE A

BASE B

BASE C

BASE D

INCISAL

BASE 0

GREY

GREY BLACK

BLUE

BLUE GREY

FOSSA

ORANGE

BROWN

REDDISH BROWN

EFFECT

BLACK

WHITE

YELLOW

PURPLE

OLIVE YELLOW

OLIVE GREEN

GINGIVAL

PINK

DARK PINK

GLAZE

GLAZE

GLAZE FLUO



Specification

Stain & Glaze Paste Kit

offers a better aesthetic experience with all colors



BASE A

BASE 0

BLUE GREY

BLACK

WHITE

GLAZE

BASE B

GREY

ORANGE

YELLOW

PURPLE

GLAZE FLUO

BASE C

GREY BLACK

BROWN

OLIVE YELLOW

OLIVE GREEN

BASE D

BLUE

REDDISH BROWN

PINK

DARK PINK

GLAZE LIQUID

Stain & Glaze Paste Basic Kit

meets basic needs with 7 colors



BASE A

BASE B

PINK

GREY

BLUE

OLIVE GREEN

GLAZE

GLAZE LIQUID

Firing Program

For less than three units bridges or crowns

Initial temperature (°C)	Preheating time (min)	Drying time (min)	Heating rate (°C/min)	Firing temperature (°C)	Holding time (min)	Cooling rate (°C/min)	Open temperature (°C)
500	4:00	4:00	45	760-830	1:00	45	500

For more than three units bridges

Initial temperature (°C)	Preheating time (min)	Drying time (min)	Heating rate (°C/min)	Firing temperature (°C)	Holding time (min)	Cooling rate (°C/min)	Open temperature (°C)
400	4:00	4:00	30	760-830	1:00	30	400

Notes:

1. The above mentioned firing parameters are only guidelines and therefore always need to be adjusted to the firing furnace and its correct functionality. Most important is to obtain the right firing result.
2. Please also consider the firing parameters according to the recommendations of the substructure materials manufacturer.
3. Please notice that the firing results are influenced by various parameters such as model, performance and age of the firing unit used. Thus, temperature calibration for the furnace may be necessary.
4. If several restorations (eg: multi-unit bridges with large pontics or several full-contour restorations) are fired in one firing cycle, heating of the objects to be fired may be delayed.
5. The heating rate and cooling rate are determined by the unit number of restorations. The more restoration units there are, the lower both the heating and cooling rates will be.
6. With multiple fires, the final temperature can be reduced by 10°C depending on the degree of gloss

PMMA

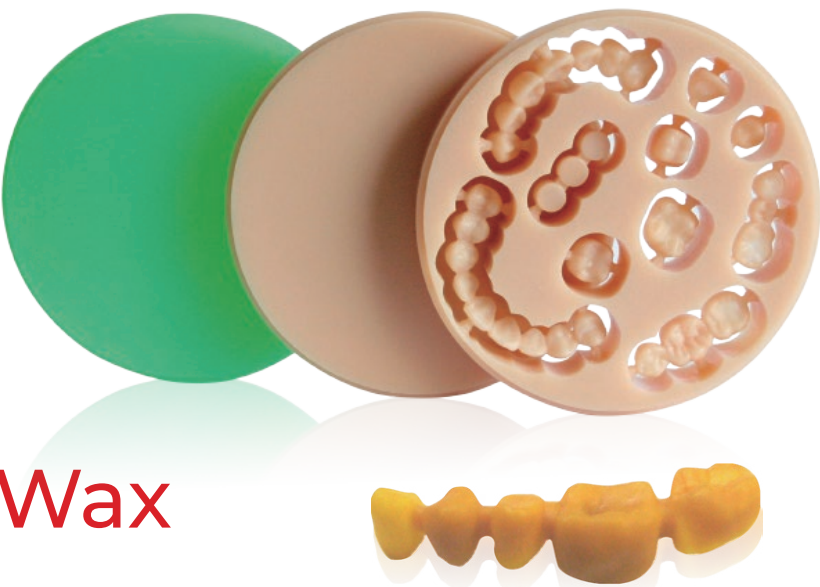
- Excellent abrasion resistance and no deformation
- Available for single shade and multi-shaded



Technical Parameters	Flexural strength	≥100 MPa
	Water absorption value	≤40μg/cm³
	Dissolved value	≤7.5μg/cm³

Chemical Composition	Methacrylic acid polymer	≈99%
	Pigment	≤1%

Specifications	Temporary Restoration	S (Monochrome)	A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 A0 BL1 BL2 BL3
		M (Multilayer)	A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 A0 BL1 BL2 BL3
	Denture Base Resin Material		V-Pink A, V-Pink B, V- Pink C
	Full denture		A1/V-Pink A, A2/V-Pink A, A3/V-Pink A, A3.5/V-Pink A, A4/V-Pink A, A1/V-Pink B, A2/V-Pink B, A3/V-Pink B, A3.5/V-Pink B, A4/V-Pink B, A1/V-Pink C, A2/V-Pink C, A3/V-Pink C, A3.5/V-Pink C, A4/V-Pink C, B1/V-Pink A, B1/V-Pink B, B1/V-Pink C
Transparent color		—	



CAD/CAM Wax

- Burned without Residue
- Easy Milling without Deformation

Technical Parameters	Melting point	110-115C
	Hardness	45-55°
	Coefficient of thermal expansion	5%

Chemical Composition	Polyethylene wax	12.7%
	Synthetic wax	85%
	Others	2.3%

Specifications	Universal type	Fluorescent green, blue, white, black-grey, beige
	Esthetics wax	White, A2, A3 and other common colors
	Recommend milling parameters	Spindle speed:18000r/min Cutter Loading in Rough Machining: 0.2mm Cutter Loading in Fine Machining: 0.05mm

(Dental) Titanium Alloy

High performance titanium Grade 5 milling blank, especially designed for the use of CAD CAM milling systems



- 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.



Indications



Chemical Composition

Ti%	Al%	V%	Fe%	O%	C%	N%	H%
Balance	5,5 - 6,8	3,5 – 4,5	≤0,3	≤0,2	≤0,08	≤0,05	≤0,01

Technical Data

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°C	Tarnish resistance	Yes
Melting temperature	1640-1670°C	Corrosion resistance	≤200µg/cm ²
Density	4.4g/cm ³	Tensile strength	885MPa

Model



D98X10 D98X12 D98X14 D98X16
D98X18 D98X20 D98X25

Grinding and Polishing Kits

Apply for Zirconia and Porcelain Workpiece



Ceramic Diamond Grinders Special for Zirconia

Material: Diamond grits mixing with ceramic powder.

Usage: For zirconia restorations' fast finishing, dry grinding, without water cooling (it is a effective fast way to instead of the diamond burs with water cooling way)

Caution: Please use the products in allowed RPM.OR it may take the products damaged!

Grit: Mid-Coarse
Packing(pcs): 1
Order No.:
Recommended R.P.M.:
Size $\Phi \times L$ (mm):
ISO No.: 805...

CD 001 3	CD 006 3	CD 008 3	CD 007 3	CD 009 3	CD 011 3	CD 012 3
15,000-30,000 / min	15,000-30,000 / min	15,000-30,000 / min	15,000-30,000 / min	15,000-30,000 / min	15,000-30,000 / min	15,000-30,000 / min
13 x 7	16 x 2	22 x 2	16 x 3.5	22 x 4.5	16 x 1.5	22 x 2
900 030 524 130	900 372 524 160	900 372 524 220	900 041 524 160	900 041 524 220	900 307 524 130	900 307 524 220

Grit: Mid-Coarse
Packing(pcs): 1
Order No.:
Recommended R.P.M.:
Size $\Phi \times L$ (mm):
ISO No.: 805...

CD 201 3	CD 202 3	CD 203 3	CD 212 3	CD 214 3	CD 221 3	CD 222 3
20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min
3 x 7	5 x 12	7 x 12	4 x 10.5	3 x 7	5 x 2.5	13 x 3.5
104 110 524 030	104 113 524 050	104 113 524 070	104 174 524 040	104 197 524 030	104 014 524 050	104 024 524 130

Grit: Mid-Coarse
Packing(pcs): 1
Order No.:
Recommended R.P.M.:
Size $\Phi \times L$ (mm):
ISO No.: 805...

CD 224 3	CD 225 3	CD 231 3	CD 232 3	CD 251 3
20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min
3.6 x 7	6 x 8	12 x 2	12 x 3	3 x 3
104 237 524 036	104 030 524 060	104 041 524 120	104 042 524 120	104 001 524 030

Packing(pcs): 1
Order No.:
Recommended R.P.M.:
Size $\Phi \times L$ (mm):
ISO No.: 805...

CD 232 4	CD 202 4	CD 212 4	CD 214 4
20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min
12 x 3	5 x 12	4 x 10.5	3 x 7
104 042 514 120	104 113 514 050	104 174 514 040	104 174 514 030

Rubber Diamond Polishers Special for Zirconia/Porcelain

Material: Diamond grits mixing with synthetic rubber

Usage: For smoothing and polishing zirconia inner crown, zirconia veneer/porcelain teeth fast super bright. (Avoid the color differences and porcelain fragile caused by second glaze and baking. And it also can save time)

Caution: Please use the products in allowed RPM.OR it may take the products damaged!

Grit:	Extra Coarse	Mid-Coarse	Fine	Extra Fine	Ultra Fine
Packing(pcs): 1					
Order No.:	RD 011 1	RD 011 3	RD 011 4	RD 011 5	RD 011 6
Recommended R.P.M.:	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min	10,000-20,000 / min	10,000-20,000 / min
Size Φ × L(mm):	19 x 2	19 x 2	19 x 2	19 x 2	19 x 2
ISO No.: 802...	900 307 544 190	900 307 524 190	900 307 514 190	900 307 504 190	900 307 494 190

Grit:	Extra Coarse	Mid-Coarse	Fine	Extra Fine	Ultra Fine
Packing(pcs): 1					
Order No.:	RD 012 1	RD 012 3	RD 012 4	RD 012 5	RD 012 6
Recommended R.P.M.:	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min	10,000-20,000 / min	10,000-20,000 / min
Size Φ × L(mm):	26 x 3	26 x 3	26 x 3	26 x 3	26 x 3
ISO No.: 802...	900 307 544 260	900 307 524 260	900 307 514 260	900 307 504 260	900 307 494 260

							
Grit: Mid-Coarse							
Packing(pcs): 1							
Order No.:	RD 201 3	RD 202 3	RD 211 3	RD 212 3	RD 216 3	RD 221 3	RD 222 3
Recommended R.P.M.:	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min
Size Φ × L(mm):	3 x 7	5 x 12	3 x 7	4 x 12	4 x 12	9 x 8.5	18 x 3
ISO No.: 802...	104 110 524 030	104 113 524 050	104 243 524 030	104 243 524 040	104 174 524 040	104 030 524 090	104 026 524 180

Grit: Mid-Coarse					
Packing(pcs): 1					
Order No.:	RD 231 3	RD 232 3	RD 233 3	RD 241 3	RD 237 3A
Recommended R.P.M.:	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min	15,000-25,000 / min
Size Φ × L(mm):	12 x 1	12 x 2	12 x 4	12 x 2	15×2.5
ISO No.: 802...	104 371 524 120	104 041 524 120	104 042 524 120	104 304 524 120	104 041 524 150

Laboratory Handpiece

Innovative Design for
an Improved Experience

Use to trim and detach dental zirconia, glass ceramic, composites, titanium and metal alloy. Utilizing a high-quality Taiwanese brushless motor with advanced technology, vibrations are dampened to enhance the customer experience.



Superior torque pedal speed control



Active intelligent safety system



Optimal for high-end dental labs

Model	W-50H
Case size	220 × 160 × 80mm (length × width × height)
Case weight	2.6kg (net weight)
Handpiece size	148 × 27mm (length × width)
Handpiece weight	230g (net weight)
Output power	150W
Standby power consumption	<1W
Maximum torque	9.8Ncm
Speed setting	0~50,000RPM
Speed fluctuation	<1% set speed
Power supply	250VAC/3A
Operating mode	Forward / reverse Any switch
Fault self-test	E0-E7 display
Circuit protection	Overheat. overload. overcurrent
Dynamic response	Starts 1.1 seconds /stops for 1.2 seconds
Drive mode	manual/ speed control pedal

supraCXN Stick

The adhesive tip applicator

- Flexible tip and bend easily
- Strong stick force
- Securely hold until restoration is placed
- Detaching by simple twist
- No residue remains on the adhered surface

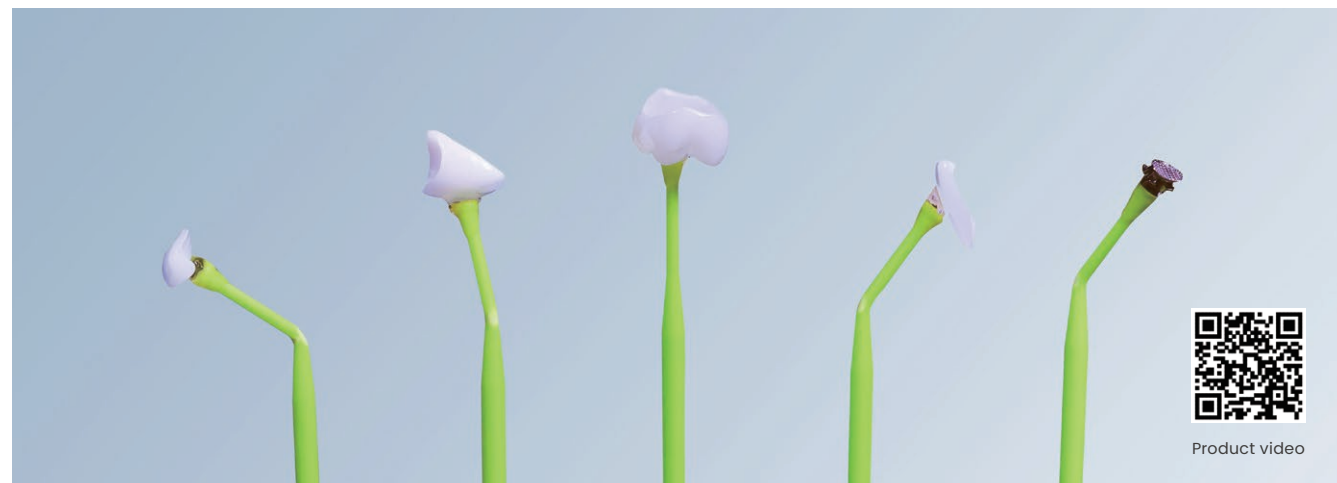


Packaging: 10 pcs/set, 2 sets/box

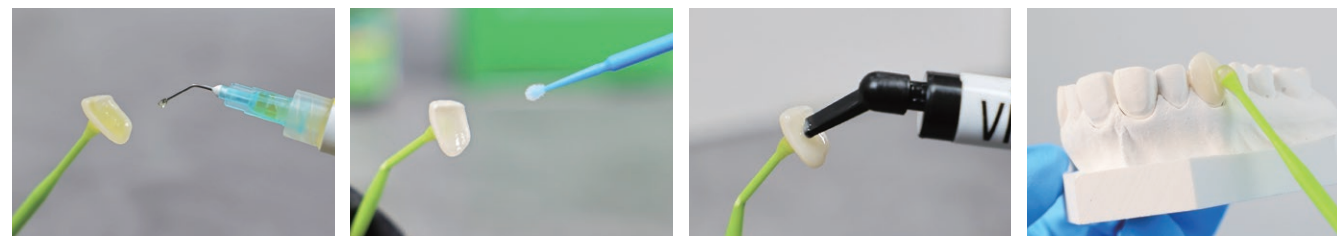
Usage

supraCXN Stick is designed to hold and place fragile components used in dentistry.

Ideal for working with veneers, inlays, onlays, crowns, bands, brackets, dental jewelry, and others.



What can it be used for during the dental treatment?



Etching

Silanization

Cementation

Placement

FLNT Shine ZrO₂

Polishing Paste

Extra-oral polishing paste for zirconium dioxide with specially coordinated abrasive properties due to extra coarse diamond grit.



· Polishing



· Super Polishing



· Polishing Wheel



Optimum polishing effect



Easy to use, long-lasting



Fine grained consistency



Hard polishing paste for mirror-like surface

FLNT Blast

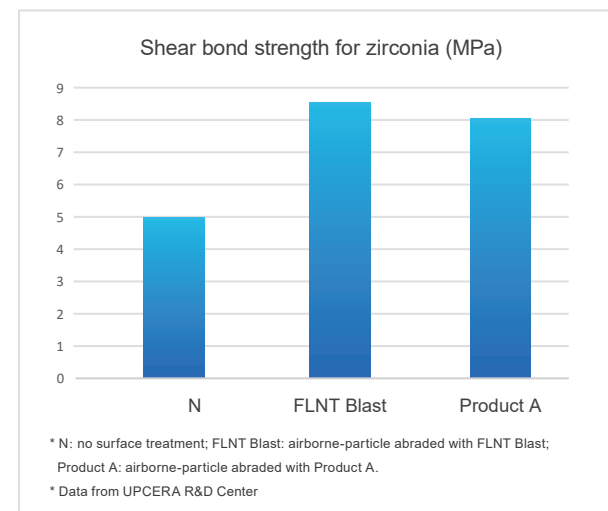
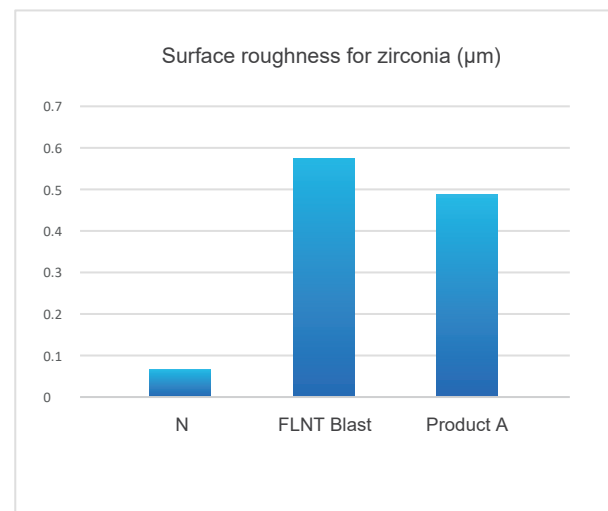
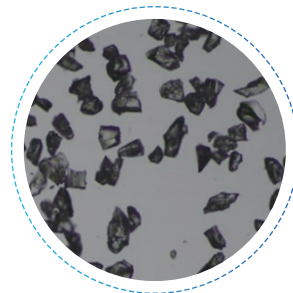
Abrasive material Pulverized Corundum

FLNT Blast Abrasive Pulverized Corundum is a versatile material compatible with various dental substrates, including zirconia and glass ceramics. Specifically engineered to optimize surface finish and refinement of dental restorations., it plays a crucial role in procedures such as cementation and divestment.



Packaging: F320-1kg F320-5kg

- Fine grade, non-contaminating pure aluminum oxide cannot cause silicosis.
- The particle shape is regular and sharp, and its diameter is uniformly distributed.
- After airborne-particle abrading, dental restorations can get the finest surface treatment and its shear bonding strength can be increased effectively.
- The surface roughness of dental restorations increases significantly after airborne-particle abrasion, with enhanced efficiency during the process.



Technical Data

Color	Pure white
Particle size	50μm
Moh's hardness	≥9
Fusing point	2250℃

Chemical Composition

Al ₂ O ₃	≥98.5%
Na ₂ O	≤0.5%
Other oxides	≤1%

FLNT Pearl

Zirconia Sintering Beads

FLNTPearl can withstand temperatures as high as 1700°C. Made from high-purity zirconia, they ensure a contamination-free sintering process for zirconia restorations.



Homogeneous size and surface quality

FLNTPearl zirconia sintering beads provide a better heating rate when using a sintering tray. As the sintering tray and FLNTPearl are heated at two different rates, FLNTPearl absorbs heat and delivers controlled temperatures, helping to prevent sintering deformation. Zirconia Sintering Beads support crowns, inlays, onlays, veneers, and bridges during the sintering process.

Pure Mink Brush

Pure Mink Wool Material with Unique Design



Glaze Brush #0

Used for glazing and external staining.



Glaze Brush #1

Used for glazing and external staining.



OP Brush #1

Used for applying OP (opaque) coating.



Porcelain Brush #6

Easy to stack transparent porcelain, effect porcelain, and incisal porcelain.



Porcelain Brush #8

Easy to stack body porcelain and cervical porcelain.



DIGITAL DENTAL SOLUTIONS

The World's Leading Digital Dental Solutions Provider



Lab Side

Digital Dental Solutions



Chair Side

Digital Dental Solutions



FLNTScan R1

Intraoral Scanner

- ✓ Calibration free
- ✓ Spontaneous heating and windless anti-fog
- ✓ Detachable and fixed cable
- ✓ Fashion and lighter handpiece
- ✓ Autoclavable 100 times per tip



3D True Color

The latest image rendering technology has been upgraded, making the color reproduction more realistic, which is convenient for dentist-patient communication.

AI Scan

The AI function built into the software, not only does it remove any soft tissue artefacts captured automatically but it completely ignores the tongue and cheeks.

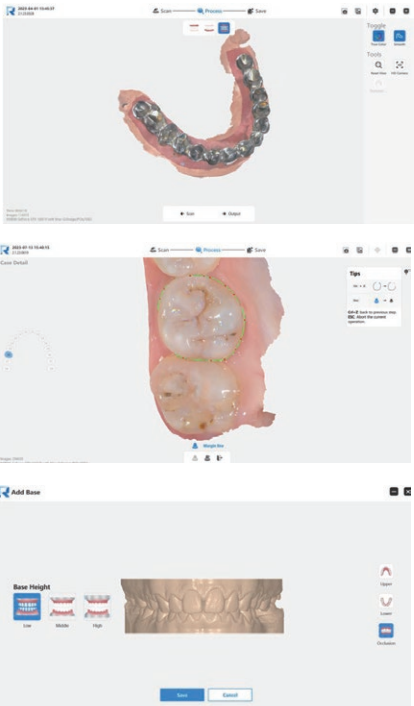
Mini tip

Standard tip

Open system

Multilingual system

Unique Functions



Metal Scan

Key optimizations have been made for the difficulty of noises and reflecting during metal scanning. Optimized metalscan tools can help dentists scan all kinds of metal materials easier.

Margin Line Drawing

The Margin Line tool can help dentists draw a margin line on the scan data and export it to a proprietary format. The marked margin line data can be imported to design software such as EXOCAD.

Model Builder

The Add Base tool can help dentists generate model files that can be directly used for printing with one click.

Specification

Handpiece	Dimension (L x W x H)	200mmX58mmX36mm
	Weight	210g
Tip	Standard tip size	79mmX19.7mmX15.8mm
	Mini tip size	80mmX16mmX15mm
	Scan area (Standard)	15mmX15mm
	Scan area (Mini)	12mmX12mm
	Depth of field	15mm
	Autoclavable	Up to 100 times Autoclavable 121℃ 16mins Autoclavable 134℃ 4mins
Accuracy	Single tooth	<10µm
	Full arch	<20µm
Scan Speed	Single arch	30s
	Full arch with occlusion	90s
Calibration		Calibration free
Output		STL, OBJ, PLY
Connectivity		USB 3.0\Type-C
Multilingual System		Chinese, English, French, Spanish, Russian, Portuguese Italian, Greek, Polish, Romanian, Japanese and Korean

FLNTScan LU1

Multi-functional dental scanner

- **Free switch**
One-button to switch to the needed scanning step, without the limit of the traditional scanning processes.
- **Applicable for multiple restorations**
Supports scanning of veneer, impression, orthodontic models, RPD, unsegmented models, implant, etc.
- **Open system-simple and fast, easy to use**
 1. Import and export the STL file freely.
 2. Output format: STL, UM, PLY, OBJ.
 3. Integrate seamlessly to third party design software, like EXO CAD, 3Shape, Dental Wings, etc.
- **High-definition scanning**
Dual high-resolution cameras provide clearer data surface quality.
- **Intelligent high-speed scanning**
One-button to add-scan, accurately and correctly, no need to search for the holes and scanning angles, improving scanning efficiency.



All-in-one scanning expert for dental laboratories

- 01 Using dual 3 mega pixels high frame cameras, with much clearer image capturing technology, newly upgraded software algorithm, faster scanning speed and better post processing.
- 02 360 degree without blind angle scanning, super large capturing area to scan the narrow gap for the orthodontics models, veneer and unsegmented models, etc.

Technical Data

Model	FLNTScan LU1
Dimension	250 x 300 x 539mm
Weight	16Kg
Cameras	2x3 mega pixels
Accuracy	8μm
Projector	Customized blue light, supports multi-color scan
Interface	USB 3.0
Output format	STL;PLY;OBJ
Power supply	AC100-240V, 50HZ
Axis quantity	2
Texture mode	Point cloud colorization
Structure	Open
Feature	Unsegmented model scan
Scanning method	Non-contact blue light scan

UPCERA
Milling
Machines



	A51	A52	A52W	A53	B42	B52	C41	D41
Number of axes	5	5	5	5+4	4	5	4	4
Number of burs	6	6/12	12	12	15	16	5	7
Maximum power	1.0 KW	1.0 KW	1.0 KW	1.5 KW	4.0 KW	4.5 KW	1.5 KW	5.5 KW
Maximum spindle power	500 W	500 W	500 W	500 W	1800 W	2700 W	500 W	4000 W
Maximum speed	80, 000 rpm	80, 000 rpm	80, 000 rpm	80, 000 rpm	60, 000 rpm	60, 000 rpm	80, 000 rpm	40, 000 rpm
Systems	Servo drives	Servo drives	Servo drives	Servo drives	Servo drives	Servo drives	Mixed servo drives	Servo drives
Automatic disc changer	—	—	—	✓	—	—	—	—
Large rotation angle	A axis : +25°/-18° B axis : ±360°	A axis : ±360° B axis : -35°/+95°	A axis : ±360° B axis : +33°-35°	A axis : -95°/+33° B axis : ±360°	A axis : ±360°	A axis : ±30° B axis : ±360°	A axis : ±360°	B axis : ±360°
Dry milling	✓	✓	✓	✓	—	—	—	—
Wet milling	—	—	✓	—	✓	✓	✓	✓
Block processing 98.5mm	✓	✓	✓	✓	✓	✓	—	✓
Zirconia	✓	✓	✓	✓	—	—	—	—
PMMA/ PEEK/ Wax	✓	✓	✓	✓	✓	✓	—	✓
Glass Ceramic/Composite Resin	—	—	✓	—	✓	✓	✓	—
Sintered metal	✓	✓	✓	✓	✓	✓	—	✓
Cobalt Chromium	—	—	—	—	✓	✓	—	✓
Titanium Disc	—	—	—	—	✓	✓	—	✓
Premill	—	—	✓	—	✓	✓	✓	✓
Crown/ Inlay/ Onlay	✓	✓	✓	✓	✓	✓	✓	✓
Bridge (4 units)	✓	✓	✓	✓	✓	✓	✓	✓
Bridge (14 units)	✓	✓	✓	✓	✓	✓	—	✓
Splints	✓	✓	✓	✓	✓	✓	—	✓
Full Denture	—	✓	✓	✓	—	✓	—	—
Framework	✓	✓	✓	✓	✓	✓	—	✓
Abutment on Ti base	✓	✓	✓	✓	✓	✓	✓	—
Premill	—	—	✓	—	✓	✓	✓	✓
One-piece abutment	✓	✓	✓	✓	✓	✓	✓	✓
Bar structure/ Screw-Retained bridge	—	—	—	—	—	✓	—	—

✓ Yes No

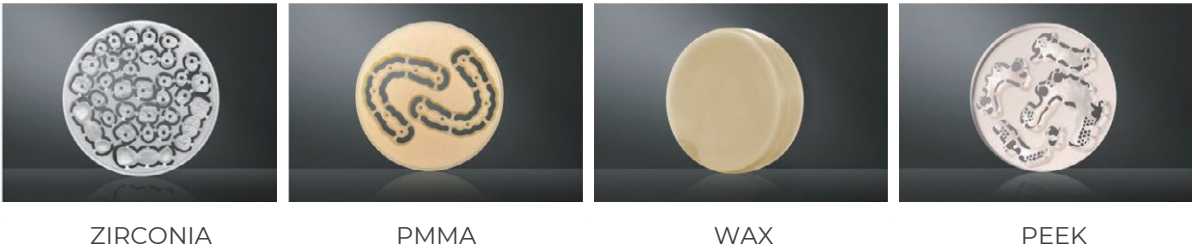
A51

5-Axis Dry Milling Machine

- High stability and accuracy
- Top-class mechanical & electric parts
- Automatic tool changer
- 24/7 non-stop machining
- Power-off and low air-pressure protection
- High-performance cast steel and aviation aluminum alloy structures



Materials



Indications

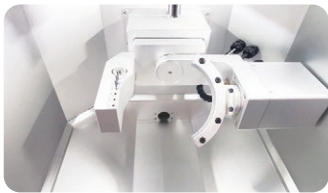


Device Parameters

Specification	Parameters
Dimensions	53*47*56 cm
Weight	72 KG
Voltage	220V/50Hz ; 110V/60Hz (Optional)
Power	1.0 KW
Compatible Compressed Air	0.5-0.8 MPa
Spindle Speed	80,000 rpm
Precision	< 0.01 mm
Number of Bur	6
Cooling Type	Air cooling
Tilt Angle	A axis: +25° -18°, B axis: ±360°
Application	Coping, crown, bridge, inlay, onlay, veneer, post-core crown, telescopic crown, customized abutment crown, overstructure, dental framework
Milling Speed	Zirconia, PEEK, PMMA (10 minutes/pc), Wax (3 minutes/pc), Framework (45 minutes/pc)

A52

The 5-Axis Dry Milling Powerhouse



Spindle Speed: 80,000 rpm



Precision: <0.01mm



90° Vertical Milling

- 5-axis simultaneous milling
- Integrated fully enclosed milling chamber for outstanding sealing and dustproof
- Built-in PC with a 12-inch touchscreen
- Equipped with servo motor and ball screw, precise within 0.01 mm of accuracy
- High-performance aircraft-grade aluminum alloy housing
- Up to 90° large angle for buccal side cutting
- Automatic tool changer and tool setter detection

Device Parameters

Specification	Parameters
Dimensions	55*49*74 cm
Weight	95 KG
Voltage	220V/50Hz ; 110V/60Hz (Optional)
Power	1.0 KW
Compatible Compressed Air	0.5-0.8 MPa
Spindle Speed	80, 000 rpm
Tilt Angle	A axis: ±360°, B axis: -35°/+95°
Precision	<0.01 mm
Number of Bur	6/12
Cooling Type	Air cooling
Materials	Zirconia, Wax, PEEK, PMMA (Φ98.5mm, thickness of 10mm-30mm)
Milling Speed	Zirconia, PEEK, PMMA (10 minutes/pc), Wax (3 minutes/pc), Framework (45 minutes/pc)
Application	Coping, crown, bridge, inlay, onlay, veneer, post-core crown, dental framework, telescope denture, customized abutment and the crown on it, the restoration above the implant

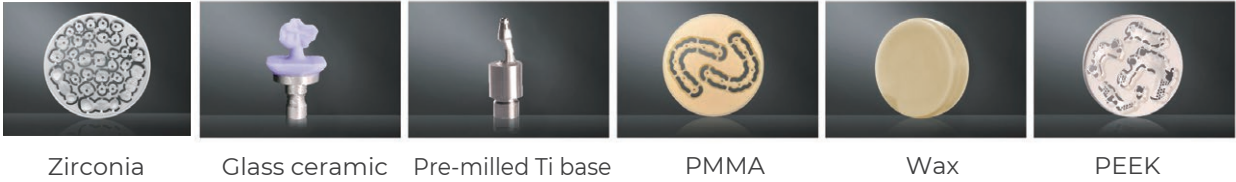
A52W

The 5-Axis Wet Milling Powerhouse



- Build-in solid water tank
- Reliable capacitive touch screen, user-friendly UI
- Applicable with 4 units of Pre-milled Ti base or 5 units of glass ceramic block
- Stable and powerful spindle ensures high precision results
- Protection module against power failure and low air pressure
- 24-hour non-stop machining

Materials

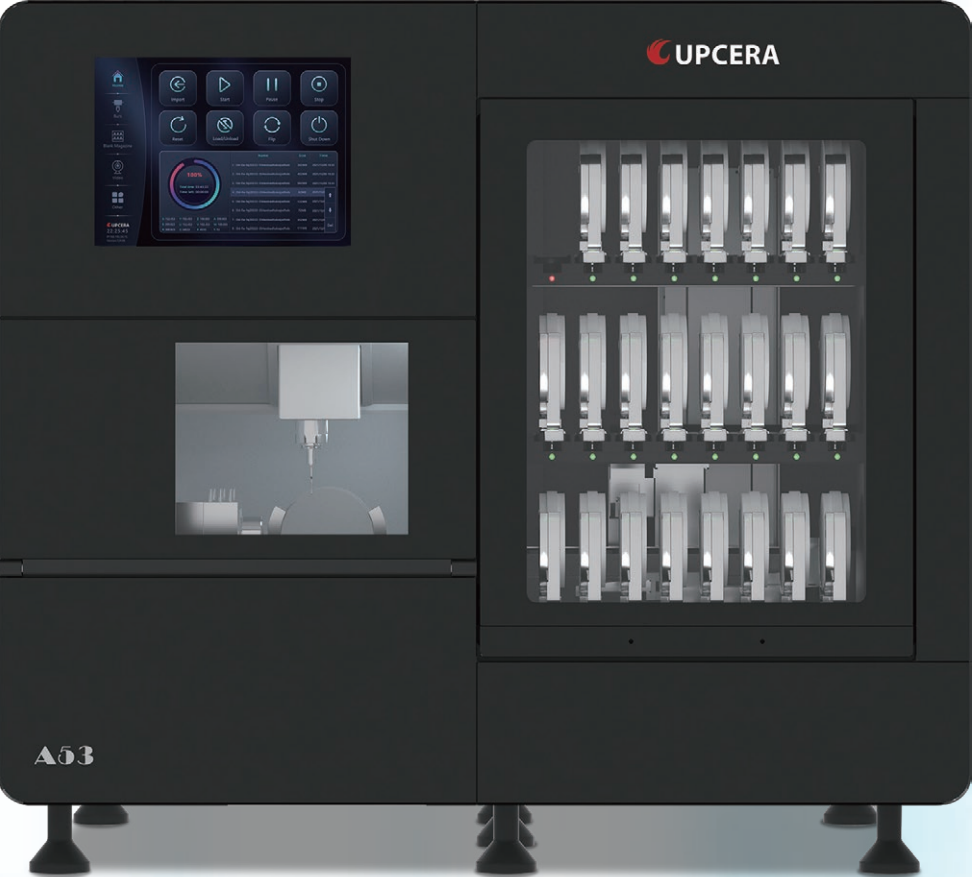


Device Parameters

Specification	Parameters
Dimensions	55*49*75 cm
Weight	105 KG
Voltage	220V/50Hz ; 110V/60Hz (optional)
Power	1.0 KW
Compatible Compressed Air	0.5-0.8 MPa
Spindle Speed	80,000 rpm
Tilt Angle	A axis: ±360°, B axis: +33° -35°
Precision	<0.01 mm
Number of Bur	12
Cooling Type	Water cooling (Built-in water tank)
Materials	Glass ceramic, Pre-milled Ti base, PEEK, PMMA, Zirconia Wax (Φ98.5mm, thickness of 10mm-30mm)
Milling Speed	Pre-Milled abutment (40 minutes/pc), Glass-ceramic (10~30 minutes/pc), PEEK, PMMA (10 minutes/pc) Wax (3 minutes/pc), Framework (Wax / PEEK, 45/150 minutes/pc)
Application	Coping, crown, bridge, inlay, onlay, veneer, post-core crown, dental framework, telescope denture, customized abutment and the crown on it, the restoration above the implant

A53

5-Axis Disc Changer Milling Machine



12 position automatic tool changer



Disc changing capacity: 24 discs



240° Multifunctional disc holder

- Internet of Things (IoT) technology
- 12-inch smart touch screen
- Outstanding stability and high accuracy
- Premium spindle with automatic tool changer
- Real-time monitoring
- High-performance castings, aerospace aluminum alloys
- Low air pressure protection
- 24/7 non-stop machining

Materials



Zirconia PMMA WAX PEEK

Device Parameters

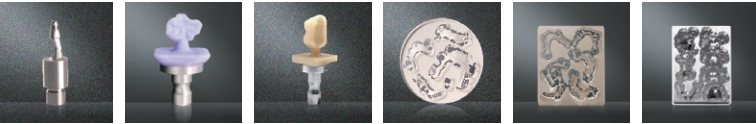
Specification	Parameters
Dimensions	100*70*85 cm
Weight	230 KG
Voltage	220V/50Hz ; 110V/60Hz (Optional)
Power	1.5 KW
Compatible Compressed Air	0.55-0.8 MPa
Spindle Speed	80,000 rpm
Tilt Angle	A axis: +33° / -95°, B axis: ±360°
Precision	<0.01 mm
Number of Bur	12
Blank Tank	8/24 (Optional)
Cooling Type	Air Cooling
Materials	Zirconia, Wax, PEEK, PMMA (Ø98.5mm, thickness of 10mm-30mm)
Milling Speed	Zirconia, PEEK, PMMA (10 minutes/ pc), Wax (3 minutes/pc), Framework (Wax, 45 minutes/pc)
Application	Coping, crown, bridge, inlay, onlay, veneer, post-core crown, dental framework, telescope denture, customized abutment and the crown on it, the restoration above the implant

B42

Pre-milled Abutment Milling Machine

- 12-inch touch screen
- Top stability and high accuracy
- Outstanding performance spindle
- 24/7 non-stop machining
- Simple to use
- Top class components
- One-cast steel structure
- Low air pressure protection

Materials



Device Parameters

Specification	Parameters
Dimensions	65*65*175 cm
Weight	420 KG
Voltage	220V/50Hz 110V/60Hz (Optional)
Power	4.0KW
Compatible Compressed Air	0.5-0.8 MPa
Spindle Speed	60,000rpm
Precision	< 0.01 mm
Tilt Angle	A axis: ±360°

Specification	Parameters
Number of Bur	15
Cooling Type	Water cooling
Materials	Pre-milled Ti base, Glass-ceramic / Titanium Disc, PMMA , PEEK (Optional)
Application	Customized abutment, crown, inlay, onlay, veneer/dental framework (Optional)
Milling Speed	Pre-milled abutment (15 mins/unit) Glass ceramic (10-30 mins/unit) Metal crown (25 mins/unit) Framework (Wax/PEEK/Titanium, 45/120/180 mins/pc)

B52

Screw-retained Bridge & Bar Milling Machine

- 12-inch touch screen, easy-to-use UI
- High Stability, high precision
- Easy to use, 24 hour continuous run
- One-cast steel structure delivers the highest level of stability
- High performance spindle with automatic tool changer
- Top class mechanical & electrical parts, protection module safeguards against power failure and low air pressure

Materials



Device Parameters

Specification	Parameters
Dimensions	65*65*175 cm
Weight	435 KG
Voltage	220V/50Hz 110V/60Hz (Optional)
Power	4.5 KW
Compatible Compressed Air	0.55-0.8 MPa
Spindle Speed	60,000 rpm
Processing accuracy	< 0.01 mm
Tilt Angle	A axis is ±30°, B axis is ±360°

Specification	Parameters
Number of Bur	16
Cooling Type	Water cooling
Materials	Titanium disc, Co-cr, Pre-milled Ti base, PMMA, Wax / Glass ceramic (Optional)
Application	customized abutment, implant bridge, implant bar, customized abutment, Coping, Crown, bridge/ inlay, veneer (Optional)
Milling Speed	Customized abutment (40 mins/unit) Pre-milled abutment (15 mins/unit) Glass ceramic (10-30 mins/unit) PMMA (10 mins/pcs), Wax(3 mins/unit) Titanium framework (180 mins/unit)

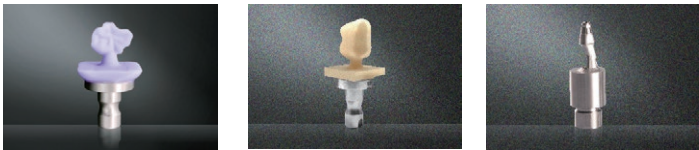


C41

4-Axis Wet milling Machine

- Compact and ergonomic design
- Built-in automatic circulating water system
- Rapid and accurate production with added efficiency
- Versatile indications up to 40 mm block
- Ideal for lab and clinic for same-day restorations

Materials



Device Paremeters

Specification	Parameters
Dimensions	45*35*42 cm
Weight	37 KG
Voltage	220V/50Hz ; 110V/60Hz(Optional)
Power	1 KW
Compatible Compressed Air	0.42-0.8 MPa
Spindle Speed	80,000 rpm
Precision	< 0.01 mm
Number of Bur	5
Cooling Type	Water cooling
Tilt Angle	A axis: ±360°
Materials	Glass ceramic, Composite Resin Block/Titanium block(Optional)
Application	Veneer, full contour crown, inlay, onlay, pre-milled abutment
Milling Speed	PMMA (12 minutes/pc), Glass-ceramic (10~30 minutes/pc) Pre-milled abutment (40 minutes/pc)



D41

Titanium Denture Framework Milling Machine

- 15-inch touch screen
- Automatic tool changer
- Accurate 4-axis machining
- Specially designed milling bur for undercut
- One-cast steel structure delivers the highest level of stability
- Top class mechanical & electrical parts
- Low air pressure protection



Device Paremeters

Specification	Parameters
Dimensions	120*100*180 cm
Weight	945 KG
Voltage	220V 50Hz ; 380V 50Hz (Optional)
Power	5.5 KW
Compatible Compressed Air	0.55-0.8 MPa
Spindle Speed	40,000 rpm
Precision	< 0.01 mm
Number of Bur	7
Cooling Type	Water cooling
Tilt Angle	B axis: ±360°
Materials	Titanium disc or block, Co-cr, Composite Resin, Titanium block (Optional)
Application	Dental framework, metal crown, customized abutment (Optional)
Milling Speed	Titanium Framework (150 minutes/big size/pc), PMMA (10 minutes/pc), Titanium crown (25 minutes/pc), Pre-milled abutment (15 minutes/pc)

GT1

Zirconia Sintering Furnace



- GT1 is a new type of fast sintering furnace with a silicon carbide (SiC) heating element, preventing zirconia contamination.
- LCD display realizes real-time monitoring of furnace voltage, current, and temperature with better efficiency and stability.
- Firing temperatures up to 1550°C. 18 built-in sintering programs are equipped with 5 stages for each program that enables meeting various zirconia sintering needs from different curves.

Device Parameters

Specification	Parameters
Dimensions	420*46.50*800 mm
Net Weight	44KG
Rated Voltage	220V ± 10%
Rated Power	2500W
Rated Frequency	50Hz
Max Working Temperature	1550 °C
Protection Level	IP21
Fast Fuse	~500V 32A
Fuse	①: 2× ~380V 16A ②: ~250V 0.5A ③: 250V 1A
Heating rate	2-30 °C



C1

Speed Sintering Furnace

- Two Modes
Normal Sintering & Fast Sintering
- High Efficiency
- Excellent Results After **45mins** Sintering

Device Parameters

Specification	Parameters
Rated Voltage	220±10%
Rated Frequency	50Hz
Rated Power	1500W
Maximum Power	2000W
Protection Level	IP21
Dimensions	325*585*745mm
Heating rate	2-15 °C

Specification	Parameters
Protective Tube1	2× ~380V 16A
Protective Tube2	~250V 0.5A
Protective Tube2	250V 1A
Speed Protective Tube	~500V 32A
Net Weight	69KG
Maximum Temperature	1600°C
Curve number	10



A7+ Porcelain Furnace

- Double-layer metal protection to the chamber
- Integrated vacuum technology
- Automatic platform lift mode
- Built-in error warning
- 2-Stage program to meet special sintering demands
- Temperature compensation
- Vacuum testing, cleaning, drying, and other maintenance procedures
- Unique, homogeneous heat distribution

Device Parameters

Specification	Parameters
Dimensions	330*420*560mm
Weight	26kg
Voltage	220V±10%/50Hz
Protection Level	IPX1
Protective Tube1	3.0A
Protective Tube2	8.0A
Heating Rate	5~100℃
Max Working Temperature	1200℃
Constant Temperature Time	00:30-30:00min
Chamber Available Sizes	φ85×55 (mm)
Ultimate Vacuum Degree	<35mmHg

FLNTSaug-R-407-1 / FLNTSaug-R-412 Zirconia Vacuum Cleaner



- Compact and portable design with strong suction which is up to 24m/s
- Running under ultra-silence conditions, the noise is lower than 65dB
- Using step-less variable speed brushless motor, ensure the quality and more than 20000 hours running time
- Long service life, high efficiency, 8μm particles can be filtrated, easy to maintain, easy to clean up

Device Parameters

Model	FLNTSaug-R-407-1
Dimension(cm)	460*430*665 mm
Weight	39 KG
Rated Voltage	220V±10%
Rated Current	AC 5.5 A(MAX)
Power	1100 W (Max)
Rated Frequency	50 Hz
Negative Pressure	9.6 KPa(Ø50mm)
Rate of Air Flow	4.82 m³/miniute(Ø50mm)
Noise dB	< 65 dB
Vacuum Port	2

Model	FLNTSaug-R-412
Dimension(cm)	470×430×600 mm
Weight	30 KG
Rated Voltage	AC 0.7A
Rated Current	220V±10%
Power	150 W
Rated Frequency	50 Hz
Negative Pressure	4.2 KPa(Ø50mm)
Rate of Air Flow	3.17 m³/miniute(Ø50mm)
Noise dB	<62 dB
Vacuum Port	1

CORPORATE CERTIFICATION



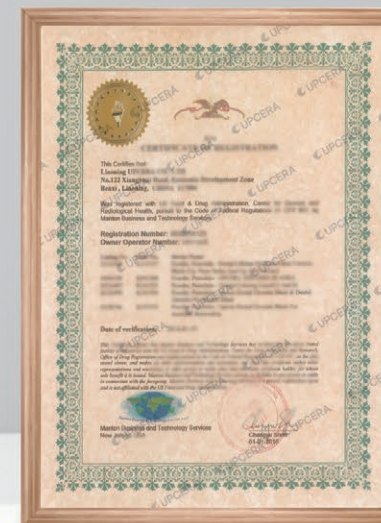
Health Canada



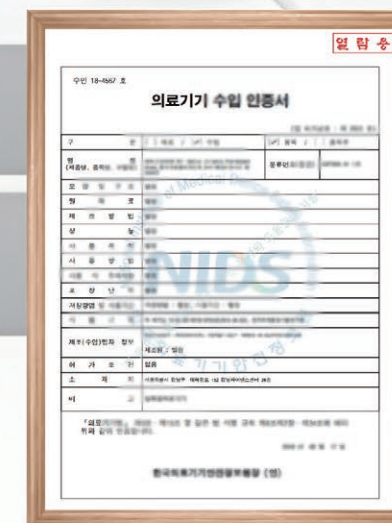
CE



ISO13485



FDA



KFDA



GOST



MDR