

UPCERA AROUND THE WORLD



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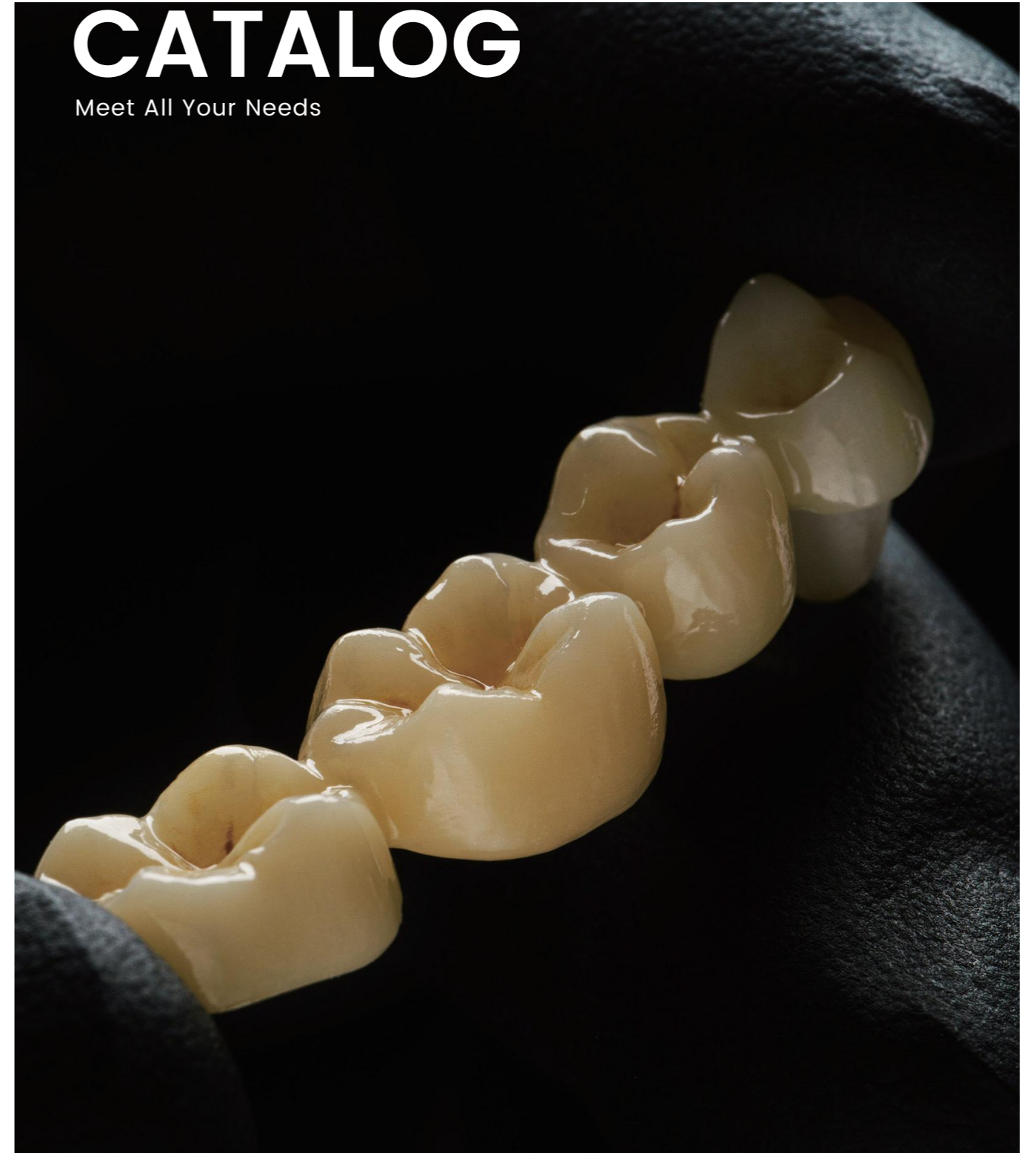


Youtube

UPCERA

PRODUCT CATALOG

Meet All Your Needs





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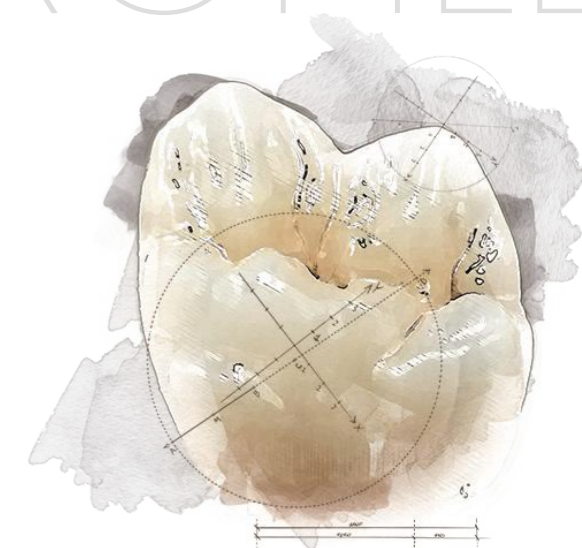
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CONTENT

Reliable
Materials
Expert



COMPANY PROFILE



10+ Years
of Dedicated R&D

25 Countries
Product Certifications

120+ Items
Dental Patents

50+ Items
Authorized Certifications for Medical Devices

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.

ALL CERAMIC FAMILY

For All Your Needs



UPCERA Zirconia Family



Indication Guide

Suitable for All Indications





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

★ 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

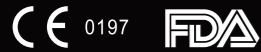
All Popular Systems Available


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%

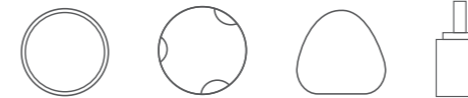


Strength
1300 MPa

Optimum Indications

- Coping
- Reduced posterior bridge (≥3 units)

Apply for



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

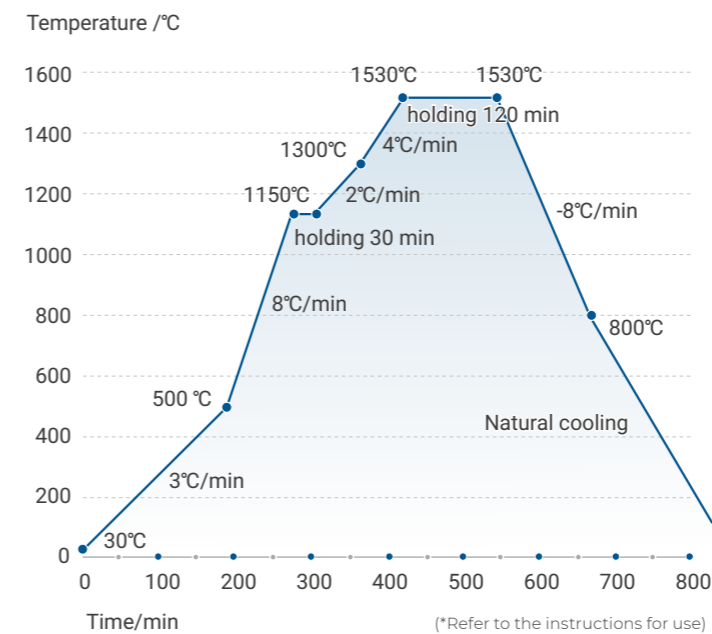
Physical Characteristics

Density after sintering	6.07±0.01g/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	<0.1Bq/g
Sintering temperature	1530°C

Chemical Composition

ZrO ₂ + HfO ₂ + Y ₂ O ₃	>99%
Y ₂ O ₃	4.5%-6%
Al ₂ O ₃	<0.5%
Other oxides	<0.5%

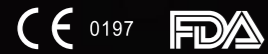
Sintering program



ST Series

ST
WHITEST
PRE-SHADEDST
MULTILAYER

UPCERA ST, where the beauty starts. It is one of the most classical lines of pre-shaded zirconia. Today you have the options of white, mono-shade, and multi-shaded. With a flexural strength of 1300 MPa, ST is a true "general variety" product.

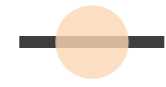



ST Series

Physical Characteristics	ST White	ST Pre-shaded	ST Multilayer
Density after sintering	6.07±0.01g/cm ³	6.08±0.01g/cm ³	6.08±0.01g/cm ³
CTE (25-500°C)	(10.5±0.5) ×10 ⁻⁶ K ⁻¹	(10.5±0.5) ×10 ⁻⁶ K ⁻¹	(10.5±0.5) ×10 ⁻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	<0.1Bq/g	<0.1Bq/g	<0.1Bq/g
Sintering temperature	1530°C	1530°C	1530°C
Chemical Composition			
ZrO ₂ + HfO ₂ + Y ₂ O ₃	>99%	>97%	>97.7%
Y ₂ O ₃	4.5%-6%	4.4%-5.5%	4.4%-5.5%
Al ₂ O ₃	<0.5%	<0.5%	<0.5%
Fe ₂ O ₃	-	<0.3%	<0.3%
Er ₂ O ₃	-	<1.0%	<1.0%
Other oxides	<0.5%	<1.2%	<1.2%

ST White




 Translucency
43%


 Strength
1300 MPa

Optimum Indications

- Posterior bridge (> 4 units)
- Coping
- Reduced posterior bridge (≥ 3 units)

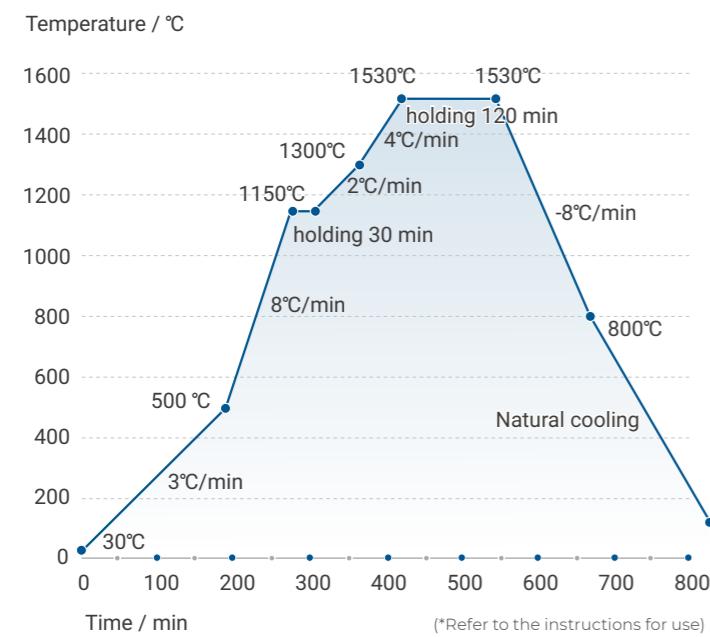
Individual infiltration and staining techniques of ST White can create restorations with great esthetic effects. It is suitable for a wide range of indications.

Apply for



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

Sintering program



ST Pre-shaded




 Strength
1300 MPa

Optimum Indications

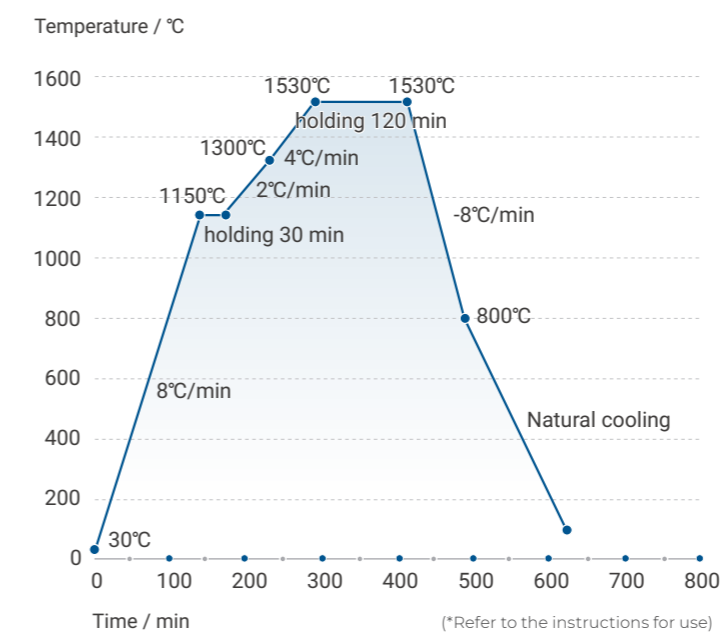
- Posterior bridge (> 4 units)
- Coping
- Reduced posterior bridge (≥ 3 units)

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

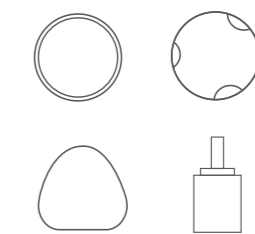
Shades



Sintering program



Apply for



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

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.



Strength
1300 MPa

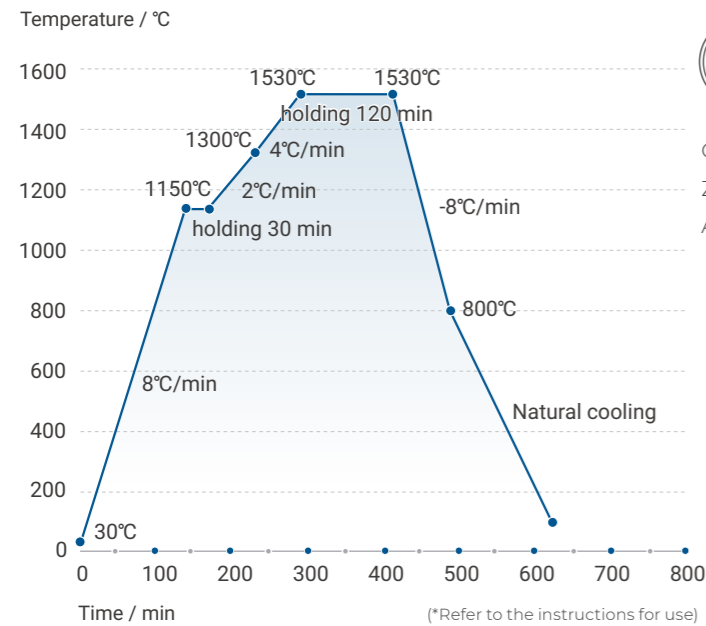
Optimum Indications

- Posterior bridge (> 4 units)
- Coping
- Reduced posterior bridge (≥ 3 units)

Shades



Sintering program



Apply for



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

TT ONE Series

TT ONE
WHITE

TT ONE
PRE-SHADED

TT ONE
MULTILAYER

UPCERA TT ONE, the worldwide popular zirconia model perfectly combines the high strength and excellent translucency for all indications.



TT ONE Series

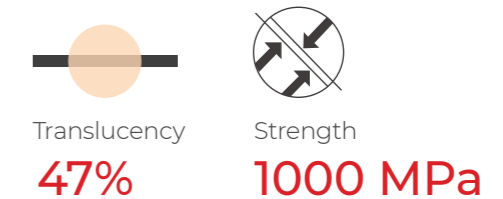
Physical Characteristics	TT ONE White	TT ONE Pre-shaded	TT ONE Multilayer
Density after sintering	≥6.0g/cm ³	≥6.0g/cm ³	≥6.0g/cm ³
CTE (25-500°C)	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹
Accelerated aging surface monoclinic phase content	<5%	<5%	<5%
Chemical solubility after sintering	<100µg/cm ²	<100µg/cm ²	<100µg/cm ²
Radioactivity	<0.1Bq/g	<0.1Bq/g	<0.1Bq/g
Sintering temperature	1480°C	1480°C	1480°C

Chemical Composition

ZrO ₂ + HfO ₂ + Y ₂ O ₃	>96.5%	>96.5%	>96.5%
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%
Er ₂ O ₃	-	<2.0%	<2.0%
Other oxides	<0.5%	<0.5%	<0.5%

TT ONE White

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



Optimum Indications

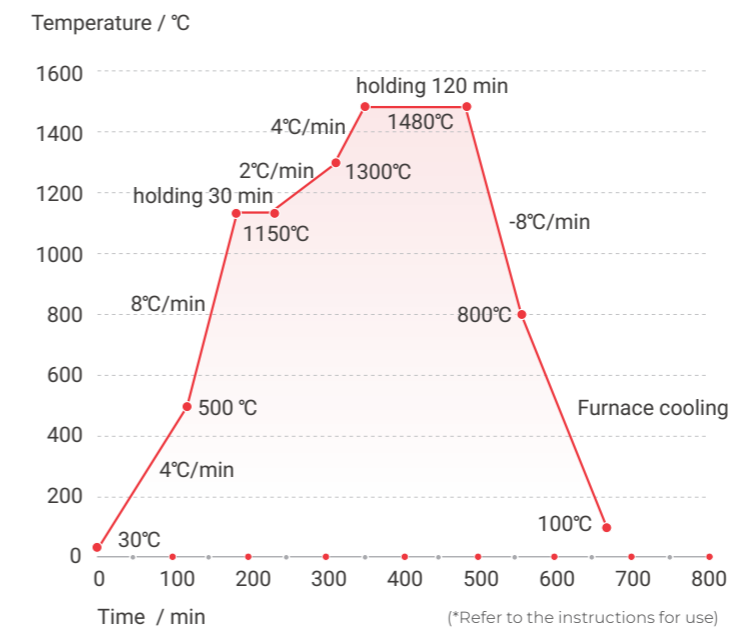
- Full contour posterior crown
- Posterior bridge (≥3 units)

Apply for



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.



Strength
1000 MPa

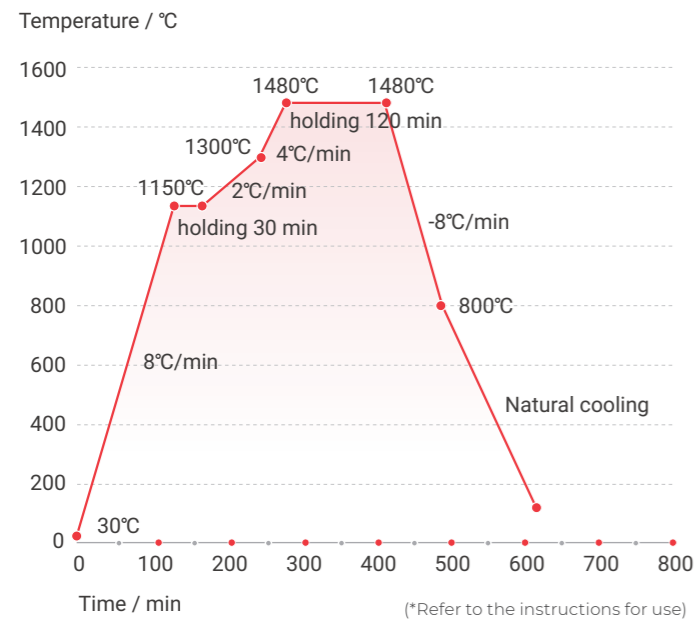
Optimum Indications

- Full contour posterior crown
- Posterior bridge (3 units, 4 units)

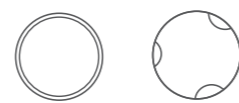
Shades



Sintering program



Apply for



Open CAD/CAM System,
Zirkonzahn CAD/CAM System

TT ONE Multilayer

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

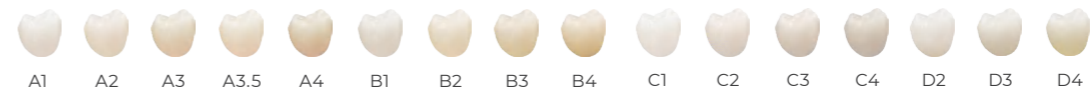


Strength
1000 MPa

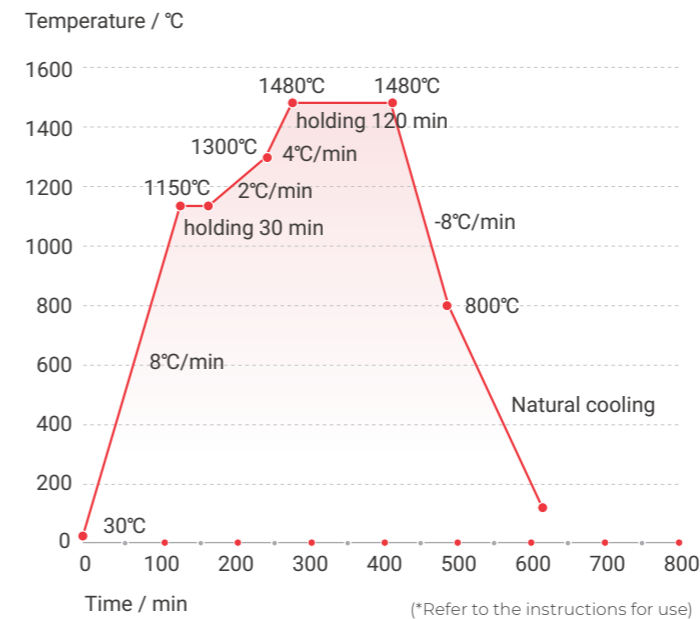
Optimum Indications

- Full contour posterior crown
- Posterior bridge (3 units, 4 units)

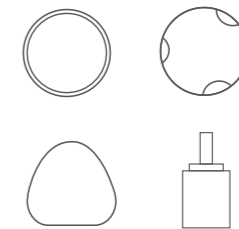
Shades



Sintering program



Apply for



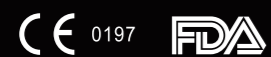
Open CAD/CAM System,
Zirkonzahn CAD/CAM System,
Amann Girrbach CAD/CAM System,
Cerec in lab (Sirona) System

TT Series

TT
WHITE

TT
MULTILAYER

- Superior light transmittance
- No porcelain required
- For true-to-life anterior restoration
- Optimized transparency
- Seamless transition of color



TT Series

Physical Characteristics	TT White	TT Multilayer
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Density after sintering	≥6.0g/cm ³	≥6.0g/cm ³
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CTE (25-500°C)	(10.5±0.5) x10 ⁻⁶ K ⁻¹	(10.5±0.5) x10 ⁻⁶ K ⁻¹
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Accelerated aging surface monoclinic phase content	<5%	<5%
--	-----	-----

Chemical solubility after sintering	<100µg/cm ²	<100µg/cm ²
-------------------------------------	------------------------	------------------------

Radioactivity	<0.1Bq/g	<0.1Bq/g
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Sintering temperature	1450°C	1450°C
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Chemical Composition

ZrO ₂ + HfO ₂ + Y ₂ O ₃	>96.5%	>96.5%
---	--------	--------

Y ₂ O ₃	5.8%-9.7%	5.8%-9.7%
-------------------------------	-----------	-----------

Al ₂ O ₃	<0.5%	<0.5%
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Fe ₂ O ₃	-	<0.5%
--------------------------------	---	-------


Er ₂ O ₃	-	<2.0%
--------------------------------	---	-------


Other oxides	<0.5%	<0.5%
--------------	-------	-------

TT White

TT white provides the highest translucency, which is suitable for anterior restorations and requires no porcelain.



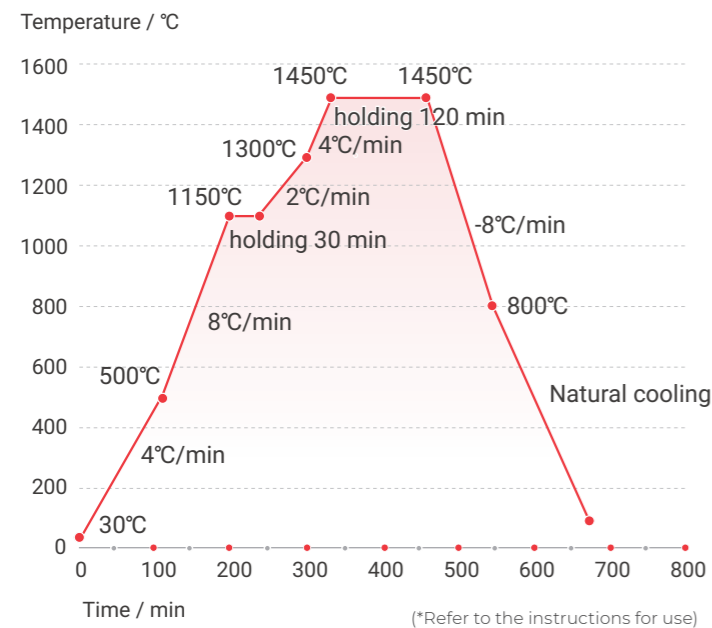
 Translucency
49%

 Strength
600 MPa

Optimum Indications

- Full contour crown
- Anterior and posterior bridge (3 units)

Sintering program



Apply for



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

TT Multilayer

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



 Strength
600 MPa

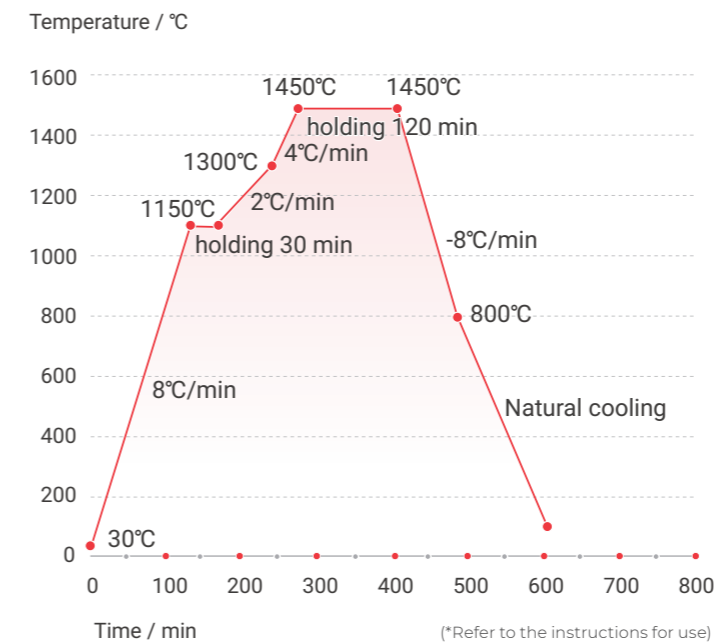
Optimum Indications

- Full contour crown
- Anterior and posterior bridge (3 units)

Shades



Sintering program



Apply for

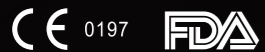


Open CAD/CAM System,
Zirkonzahn CAD/CAM System,
Amann Girrbach CAD/CAM System,

Explore Series

EXPLORE
HYBRIDEXPLORE
FUNCTIONALEXPLORE
ESTHETIC

UPCERA Explore, the innovative and revolutionary zirconia that has the sweet spot between strength and translucency. With the help of the Functional and Esthetic zirconia, natural-looking restorations can be created in less time. Try Explore to simplify your workflow and boost the profitability of your laboratory.



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) ×10 ⁻⁶ K ⁻¹	(10.5±0.5) ×10 ⁻⁶ K ⁻¹	(10.5±0.5) ×10 ⁻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	<0.1Bq/g	<0.1Bq/g	<0.1Bq/g
Sintering temperature	1480°C	1480°C	1480°C
Chemical Composition			
ZrO ₂ + HfO ₂ + Y ₂ O ₃	>96.5%	>96.5%	>96.5%
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%

*Refer to the instructions for use

NEW

Born for Full-arch Restorations

STRENGTH

1027 MPa

1300 MPa

TRANSLUCENCY

46.6%

43%



Explore Hybrid

This product combines aesthetics and functions, offering simple and efficient restoration experience to labs. Simultaneous restorations of soft tissue and hard tissue create natural-looking dental restorations.



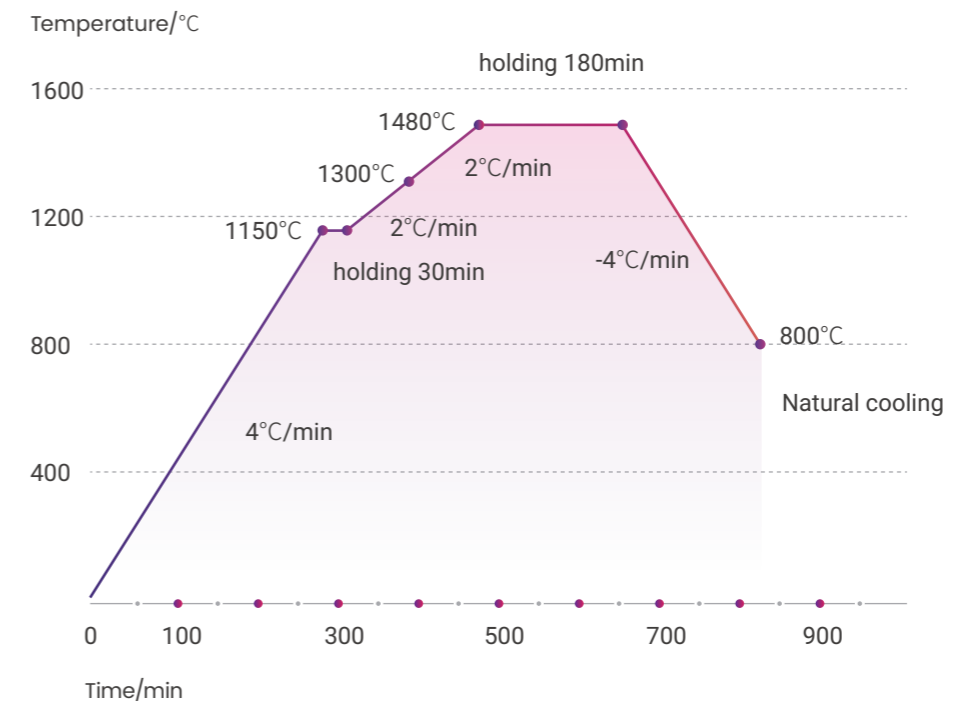
Optimum Indications: Full-arch restorations



Shades



Sintering program (Explore Hybrid)



Explore Functional

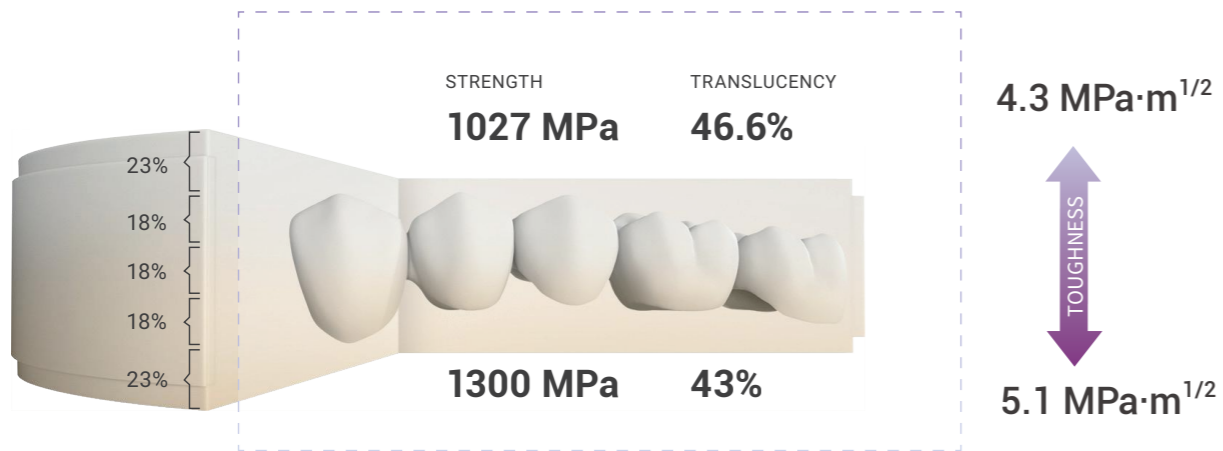
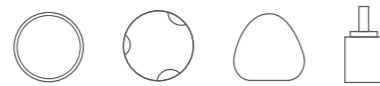
Explore Functional is a kind of zirconia with gradient translucency and strength. Due to the simple operation and natural-tooth aesthetic effects, it is a good choice for posterior restorations and suitable for chair-side restoration.



Optimum Indications

- Full Contour Posterior Crown
- Posterior bridge (3 units, 4 units)

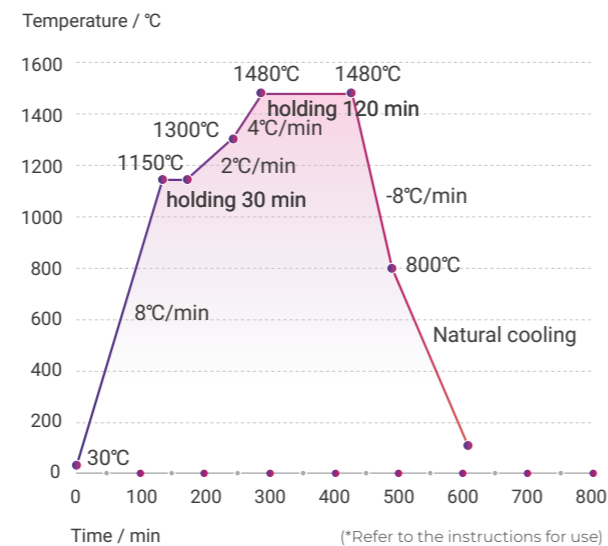
Apply for



Shades



Sintering program



Explore Esthetic

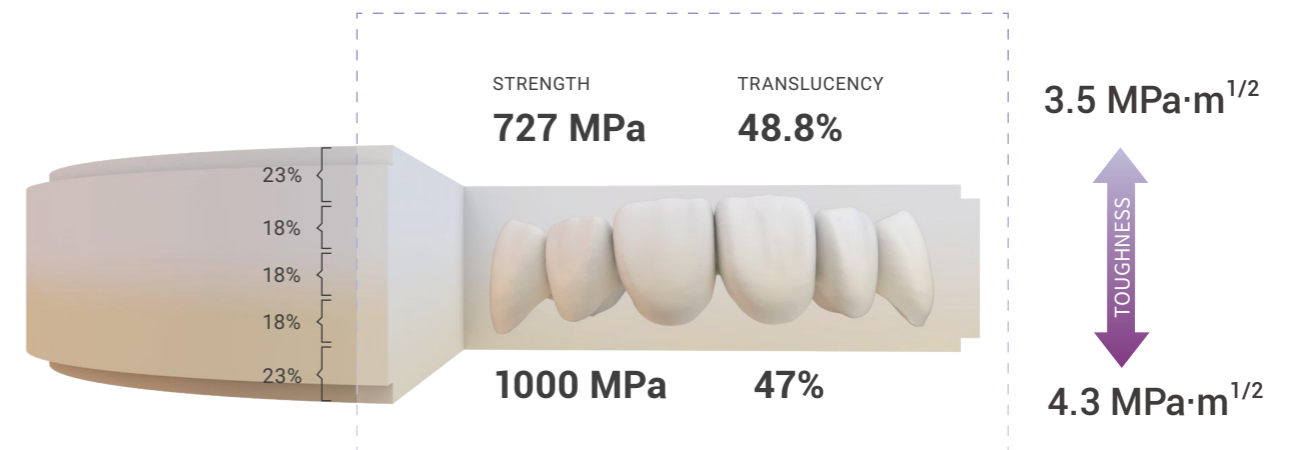
Explore Esthetic is a kind of multilayer zirconia with gradient strength. Its translucency is higher, so it is better suitable for anterior restorations with higher esthetic requirements.



Optimum Indications

- Full Contour Posterior Crown
- Posterior bridge (3 units)

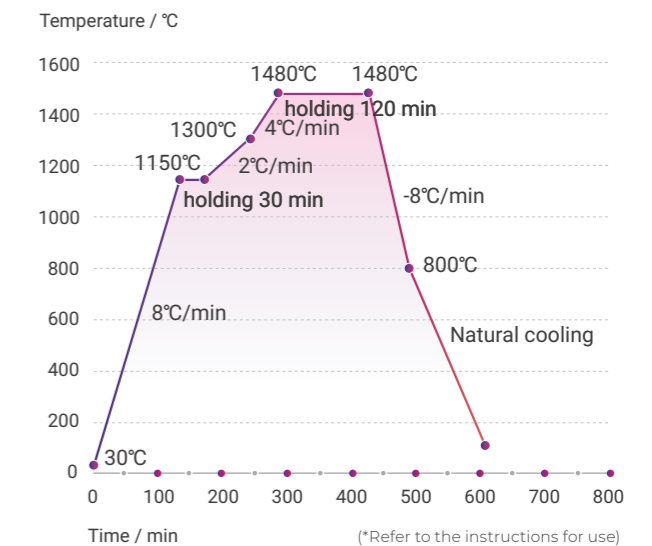
Apply for



Shades



Sintering program



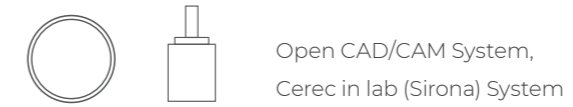
Hyramic

- Available for Single & Multilayer Shades
- Elastic Modulus Approximates to Natural Dentin
- Simple Milling, No Need for Sintering
- Chairside Instant Restoration

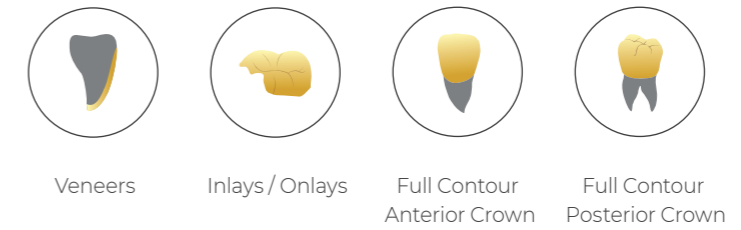
Strength **≥180 MPa**



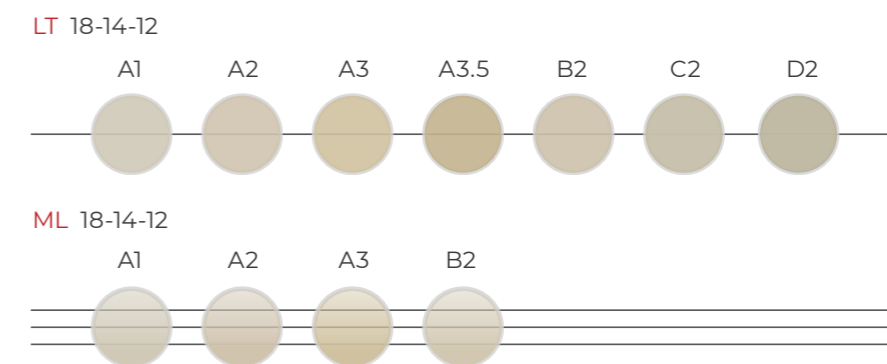
Apply for



Indications



Available for Single & Multilayer Shades



Chemical Composition	Resin polymers	13%-43%
	Inorganic filler	55%-85%
	Additive	<1%
	Colorant	<1%

Technical Parameters	Water absorption	≤25µg/cm ³
	Solubility in water	≤2µg/cm ³

DENTAL CONSUMABLES

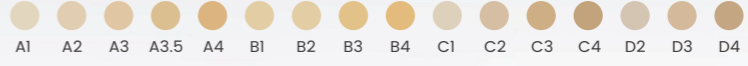


04



Colouring Liquids

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

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

Realism Glaze Paste

Realism stain and glaze paste kit has a wide range of colors and ideal for all ceramics. Its simple operation can help complete the stain and glaze progress fast and achieve the nature tooth results.

Optimized for

- Zirconia and Lithium Disilicate



Specification

Stain & Glaze Paste Kit

offers a better aesthetic experience with all colors



Stain & Glaze Paste Basic Kit

meets basic needs with 7 colors



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 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. Otherwise, there is an increased risk of hidden cracks and fractures in the long span bridge.
2. The secondary firing temperature should be reduced by 10C.
3. The porcelain furnace should undergo regular maintenance, and temperature calibration to ensure a reasonable firing temperature. (There is a variance between the actual temperature and the setting temperature in the porcelain furnace with prolonged use.)



PMMA

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

Technical Parameters		
Flexural strength		≥100 MPa
Water absorption value		≤40μg/cm ³
Dissolved value		≤7.5μg/cm ³

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

Specifications		
S (Monochrome)		A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 PinkA/B/C Clear
M (Multilayer)		A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4
Full denture		Pink A/B/C+A1/A2/A3/A3.5/B1



CAD/CAM Wax

- Burned without Residue
- Easy Milling without Deformation

Technical Parameters		
Melting point		110-115 C
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
Matching processing parameters		Spindle speed:18000r/min Cutter Loading in Rough Machining: 0.2mm Cutter Loading in Fine Machining: 0.05mm

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 inner crown 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 Workpiece

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	1	1	1	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	1	1	1	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	1	1	1	1	1	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	1	1	1	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 x 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 place
- Detaching by simple twist
- No residue remains on the adhered surface

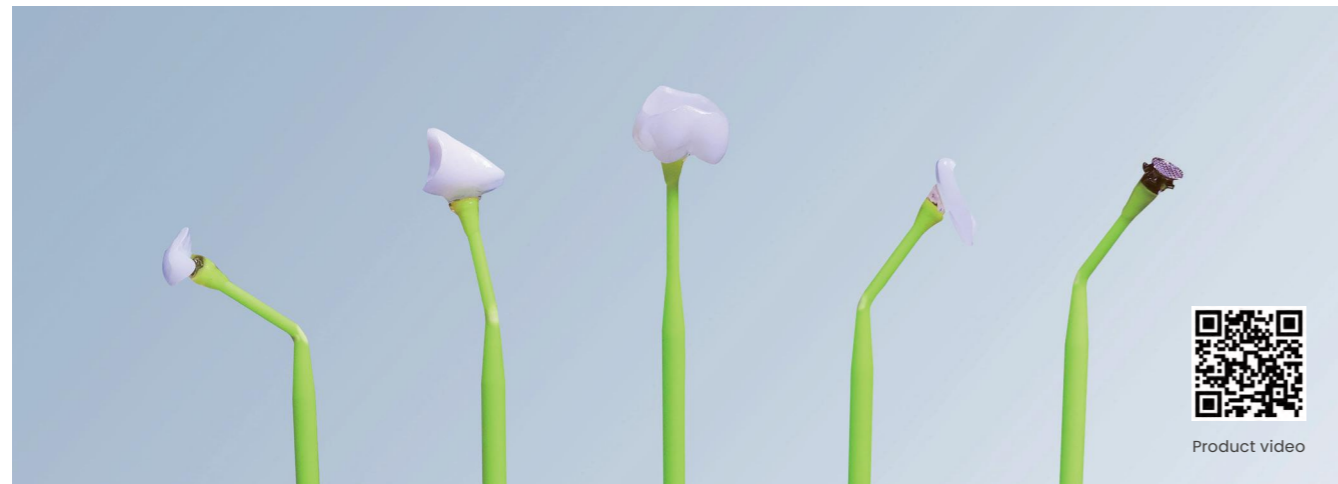


Packaging: 10 pcs/set, 2 sets/box

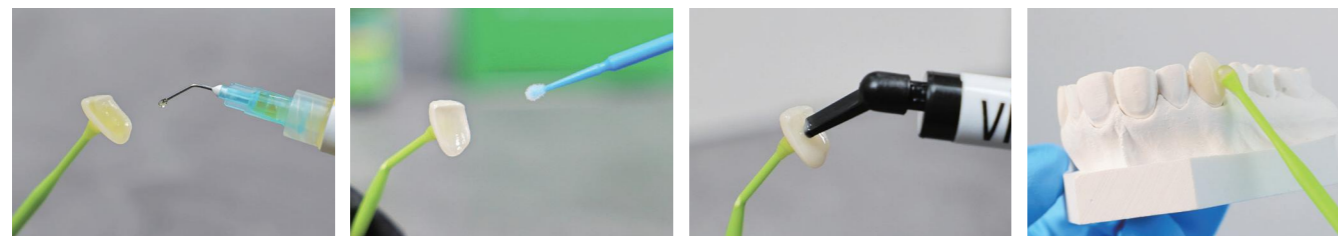
Usage

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

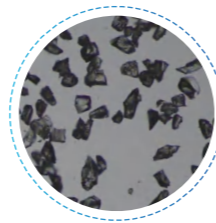
Abrasive material Pulverized Corundum



Packaging: F320-1kg F320-5kg

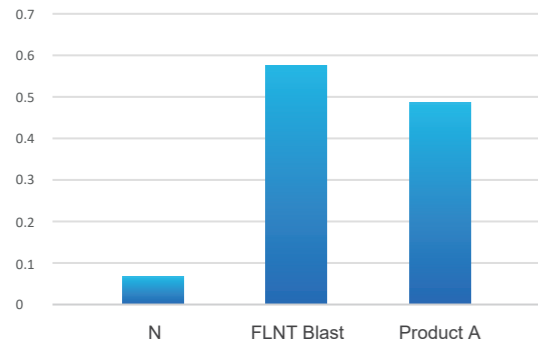
FLNT™ Blast Abrasive material Pulverized Corundum, is versatile and compatible with a range of dental materials, such as zirconia and glass ceramics. It is specifically designed to enhance the finish and refine the surfaces of dental restorations during procedures like cementation and divestment.

- Fine grade, non-contaminating pure aluminum oxide cannot cause silicosis.
- The particle shape is regular and sharp, and its diameter is uniformly distributed.



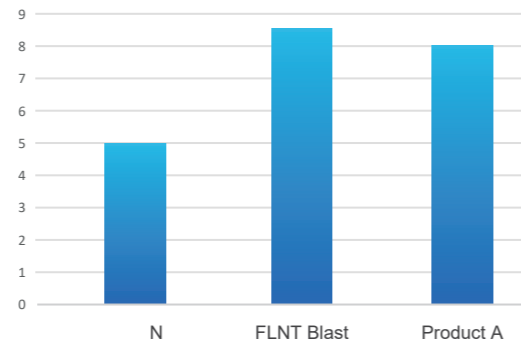
- Surface roughness of dental restorations can be increased significantly after airborne-particle abrading and the abrading efficiency is higher.

Surface roughness for zirconia (µm)



- After airborne-particle abrading, dental restorations can get the finest surface treatment and its shear bonding strength can be increased effectively.

Shear bond strength for zirconia (MPa)



* N: no surface treatment; FLNT Blast: airborne-particle abraded with FLNT Blast; Product A: airborne-particle abraded with Product A.
* Data from UPCERA R&D Center

Technical Data

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

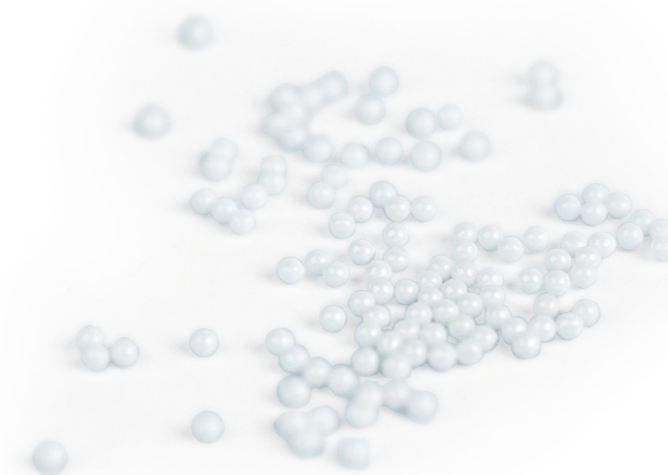
Chemical Composition

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

FLNT Pearl

Zirconia Sintering Beads

FLNTPearl can withstand up to 1700°C and are made of high-purity zirconia that provide contamination-free results for restorations.



Homogeneous size and surface quality

FLNTPearl Zirconia Sintering Beads provide a better temperature rate when using sintering trays. Because the sintering tray and FLNTPearl heat at two different temperature rates, FLNTPearl absorbs the heat and provides a controlled temperature which helps prevent 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.



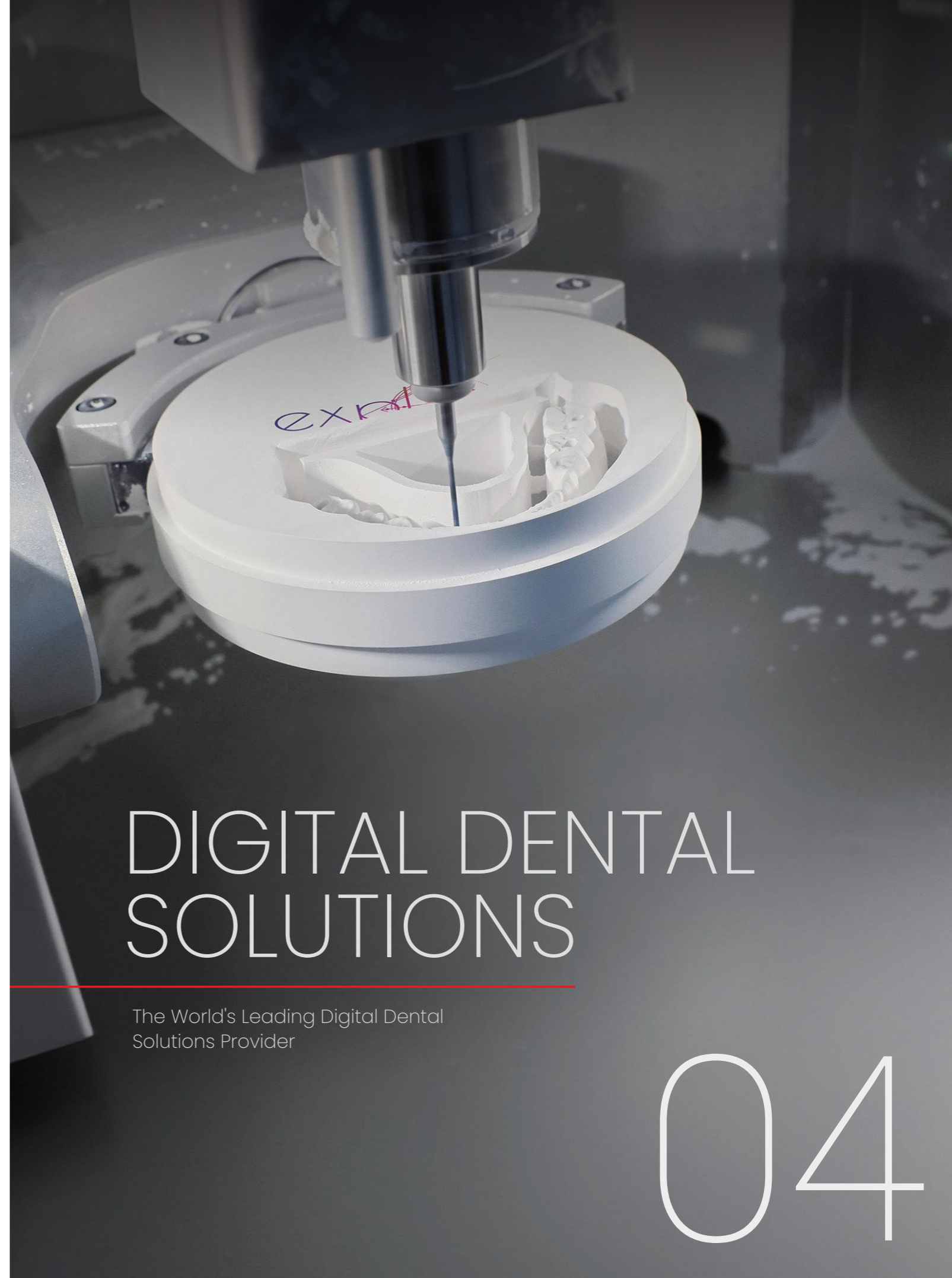
Porcelain Brush #6

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



Porcelain Brush #8

Easy to stack body porcelain and cervical porcelain.



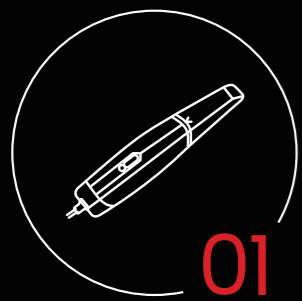
DIGITAL DENTAL SOLUTIONS

The World's Leading Digital Dental Solutions Provider

04

DIGITAL DENTAL SOLUTIONS

Lab Side



01

Scanning



02

Software Designing



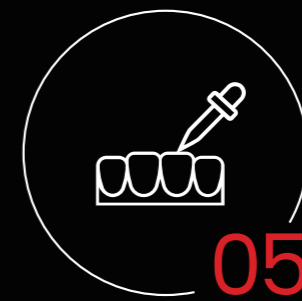
03

Milling



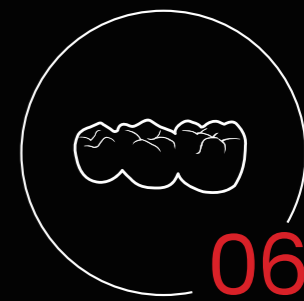
04

Sintering



05

Glazing



06

Finished

Chair Side



S6000

Intraoral Scanner



Apply to various clinical treatment

Restoration, Implant, and Orthodontics appliance



Chromoscan

Colored scanning that can show the true dental situation in vivo in real-time

Intraoral Camera

Take intraoral photos during scanning which can assist an operator in communicating with patients



Occlusion relationship analysis

Assist operator to check the occlusion relationship and interocclusal space by view the color scale



Intelligent optimization

Automatically remove any redundant data such as gloves, tougue etc



High Precision and fast Scanning

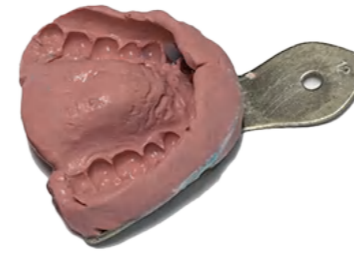
- High accuracy that can cover all different indications
- Whole scanning process takes ≤ 3 minutes approximately which is much faster than taking a traditional impression

Continuous scanning

- Shorten the clinical operation time and improve the efficiency
- Real-time display of scanning data, doctors can analyze the data simultaneously

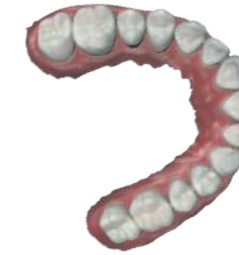
Powder free

- Simplify scanning procedure and reduce complexity
- Improve patients comfort



Traditional Impression

Takes 10 Mins & Strong gag reflex
Poor comfort & Complex procedure
Colorless plater model



Digital Impression

Takes 5 Mins & No gag reflex
Excellent comfort & Simple procedure
Real color model



Specification

Product type	Portable intraoral scanner
Anti-fog technology	Built-in module
Sensor	High speed CMOS
Disinfection methods	121 & 134°C autoclavable
Splicing technology	Imaging Technique Accur-3D
Output format	STL PLY OBJ
Scan type	Power free colored scan
Image	Colored
Scan mode	3D video scanning
Scan Speed	5 minutes
Scan depth of field	15mm
Length of connecting cable	2m
Scanner tip	18.5mm (H) x 19mm (W)
Weight	350g
Connection	USB 3.0
Scanner	240mm (L) x 39.8mm (W) x 57mm (H)

U5 ProH

Lab Scanner



- **Free switch**

One-button to switch to the needed scanning step, without the limit of the traditional scanning processes.
- **Intelligent add-scan**

One-button to add-scan, accurately and correctly, no need to search for the holes and scanning angles.
- **Virtual articulator**

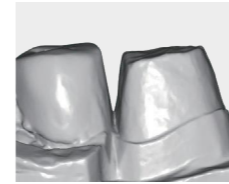
Obtain the jaws motion tracking simply and fastly, reducing the time of subsequent adjusting.
- **Applicable for multiple restorations**

Supports scanning of veneer, impression, orthodontic models, RPD, unsegmented models, implants, etc.
- **Open system-simple and fast, easy to use**

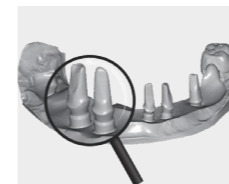
 1. Import and export the STL file freely.
 2. Output format: STL, UM, PLY, OBJ.
 3. Integrate seamlessly into third-party design software, like exocad, 3shape, dentalwings, etc.

All-in-one scanning expert for dental laboratories

Dual 3 megapixels high frame cameras, 360 degree without blind angle scanning



Using dual 3 megapixels high frame cameras, with a much clearer image capturing technology, newly upgraded software algorithm, faster scanning speed and better post processing.



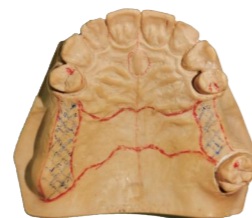
360 degrees without blind angle scanning, super large capturing area to scan the narrow gap for the orthodontics models, veneer and unsegmented models, etc.



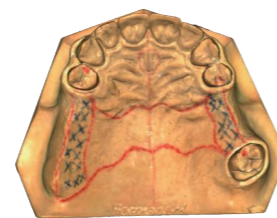
Model	UP ProH
Dimension	285 x 300 x 556mm
Weight	10kg
Cameras	2 x 3 mega pixels
Accuracy	6 microns
Projector	Customized blue light, supports multi-color scan
Interface	USB 3.0
Output format	STL, UM, PLY, OBJ
Power supply	AC110-240V, 50HZ
Axis quantity	2
Texture mode	Point cloud colorization
Structure	Open
Feature	Unsegmented model scan
Scanning method	Non-contact blue light scan

True color texture

1. Scan the RPD model to obtain the extremely lifelike true color texture, highly restoring the true color of the original model.
2. Scan the stone model to obtain the margin line which is marked by hand to design the fixed restoration with accurate fitting.



Color texture model



Scan data

FLNTScan R1

Intraoral Scanner



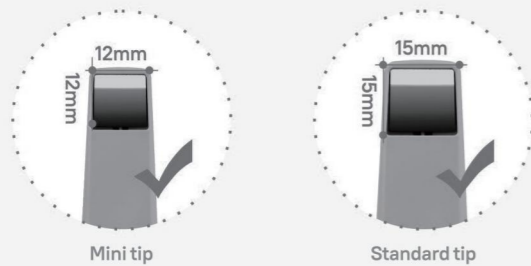
- Fashion and lighter handpiece
- Spontaneous heating and windless anti-fog
Autoclavable 100 times per tip
- Calibration free
- Detachable and fixed cable

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

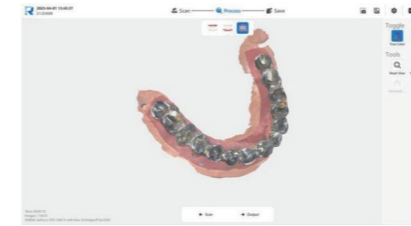
The AI function built into the software, not only does it remove any soft tissue artefacts captured automatically but it completely ignores the tongue and cheeks.



3D Open system

Aa Multilingual system

Unique Functions



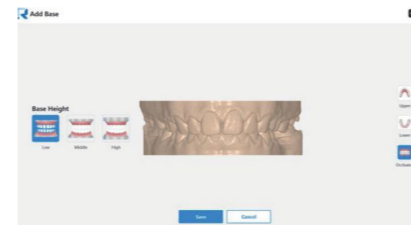
Metal Scan

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)	240mmX49.5mmX30.5mm
	Weight	210g
Tip	Standard tip size	79mmX19.7mmX15.8mm
	Mini tip size	80mmX16mmX11mm
	Scan area (Standard)	15mmX15mm
	Scan area (Mini)	12mmX12mm
	Depth of field	15mm
Autoclavable	Up to 100 times Autoclavable 121°C 16mins	
	Autoclavable 134°C 4mins	
Accuracy	Crown	<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
Multilingual System		Chinese, English, French, Spanish, Russian, Portuguese Italian, Greek, Polish, Romanian, Japanese and Korean

UPCERA Milling Machine	A41	A51	A52	A52W	A53	B42	B52	C41	D41
Number of axes	4	5	5	5	5+4	4	5	4	4
Number of burs	4	6	6/12	12	12	15	16	5	7
Maximum power	1.0KW	1.0KW	1.0KW	1.0KW	1.5KW	4.0KW	4.5KW	1.5KW	5.5KW
Maximum spindle power	500W	500W	500W	500W	500W	1800W	2700W	500W	4000W
Maximum speed	60,000 rpm	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	Servo drives	Mixed servo drives	Servo drives
Automatic disc changer	—	—	—	—	✓	—	—	—	—
Large rotation angle	A axis : ±360°	A axis : +25°/-18° B axis : ±360°	A axis : ±360° B axis : -35°/+95°	A axis : ±360° B axis : ±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	✓	✓	✓	✓	✓	✓	✓	—	✓
BPS	—	—	✓	✓	✓	—	✓	—	—
Framework	✓	✓	✓	✓	✓	✓	✓	—	✓
Abutment on Ti base	✓	✓	✓	✓	✓	✓	✓	✓	—
Premill	—	—	—	✓	—	✓	✓	✓	✓
One-piece abutment	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bar structure/ Screw-Retained bridge	—	—	—	—	—	—	✓	—	—

✓ Yes — No

A41

4-Axis Dry Milling Machine

- Simple & friendly UI
- High-quality outcomes at favorable cost



Touch screen operation



Tremendous stability and high accuracy



24/7 non-stop machining



Low pressure protection



Top class mechanical high accuracy



High-performance cast steel

Device Parameters

Specification	Parameters
Dimensions	54*49*53cm
Weight	85kg
Voltage	220V 50Hz ; 110V 60Hz (Optional)
Power	1.0KW
Compatible Compressed	0.5-0.8 MPa
Spindle Speed	60,000 rpm
Precision	< 0.01mm
Number of Bur	4
Cooling Type	Air cooling
Materials	Zirconia, PMMA, Wax, PEEK
Application	Coping, full contour, bridges, inlay, veneer, post-core crown, onlay, PEEK framework
Milling Speed	Zirconia, PEEK, PMMA (10 minutes/pc), Wax (3 minutes/pc), Framework (45 minutes/pc)

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



ZIRCONIA

PMMA

WAX

PEEK

Indications



Pre-milled Abutment

Implant Bridge

Post-core Crown

Veneer

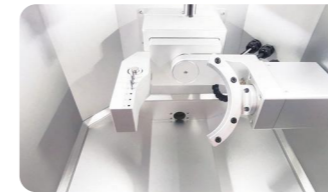
Surgical Guide

Device Parameters

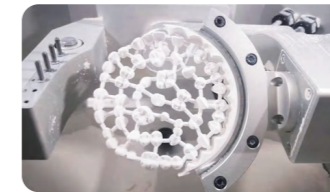
Specification	Parameters
Dimensions	53*47*56cm
Weight	110kg
Voltage	220V 50HZ; 110v 60Hz
Power	1.0KW
Compatible Compressed Air	0.5-0.8 MPa
Spindle Speed	80,000rpm
Precision	< 0.01mm
Number of Bur	6
Cooling Type	Air cooling
Application	Coping, full contour crown, bridge, inlay, onlay, veneer, post-core crown, telescopic crown, customized abutment crown, overstructure, PEEK 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

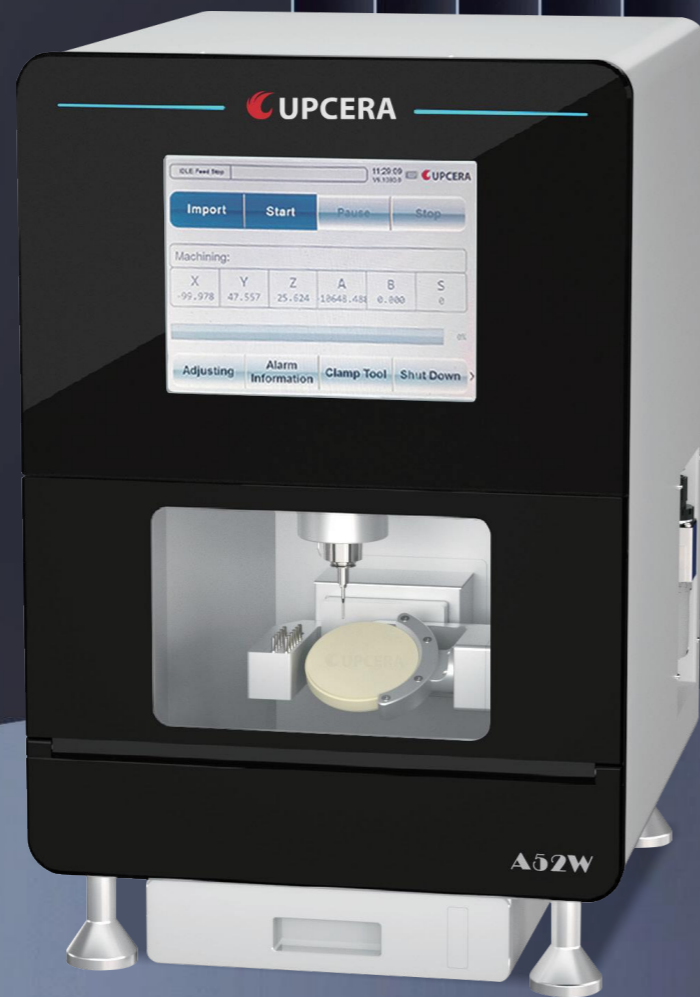
- 5-axis simultaneous milling
- Integrated fully enclosed milling chamber for outstanding sealing and dustproof
- Built-in PC with a 12-inch touchscreen
- Equipped with servo motor and ball screw, precise within 0.01 mm of accuracy
- High-performance aircraft-grade aluminum alloy housing
- Up to 90°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

Device Parameters

Specification	Parameters
Dimensions	55*49*74cm
Weight	110kg
Voltage	220V 50Hz ; 110V 60Hz
Power	1.0kw
Compatible Compressed Air	0.5-0.8 MPa
Spindle Speed	80, 000rpm
Tilt Angle	A axis: ±360°, B axis: -35°/+95°
Precision	<0.01mm
Number of Bur	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, full contour crown, bridge, inlay, onlay, veneer, post-core crown, telescopic crown, customized abutment crown, overstructure, PEEK framework

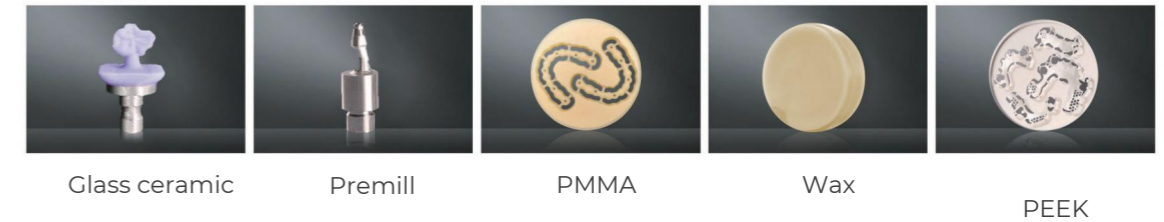
A52W

The 5-Axis Wet
Milling Powerhouse



- Build-in solid water tank
- Reliable capacitive touch screen, user-friendly UI
- Applicable with 3 units of Pre-mill or 4 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

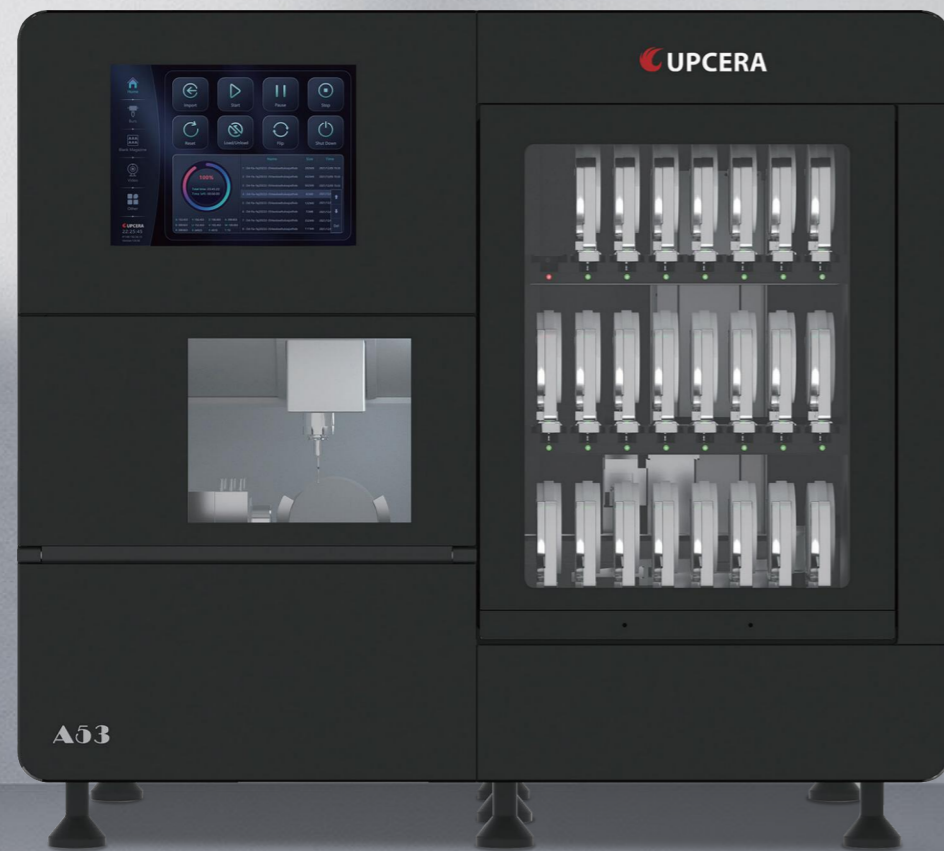


Device Parameters

Specification	Parameters
Dimensions	55*49*75cm
Weight	110kg
Voltage	220V 50Hz ; 110V60Hz (optional)
Power	1.0kw
Compatible Compressed Air	0.5-0.8 MPa
Spindle Speed	80,000rpm
Tilt Angle	A axis: ±360°, B axis: ±35°
Precision	<0.01mm
Number of Bur	12
Cooling Type	Water cooling (Built-in water tank)
Materials	Glass ceramic, premill, PEEK, PMMA 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	Crown, inlay, onlay, bridge, splints, BPS, framework pre-milled abutment, abutment on Ti base one-piece abutment

A53

5-Axis Disc Changer Milling Machine



- Internet of Things (IoT) technology
- 12-inch 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*85cm
Weight	220kg
Voltage	220v 50Hz
Power	1.5kw
Compatible Compressed Air	0.55-0.8 MPa
Spindle Speed	80,000rpm
Tilt Angle	A-axis +33°/-95°, B-axis ±360°
Precision	<0.01mm
Number of Bur	12
Blank Tank	24
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 (Wax, 45 minutes/pc)
Application	Coping, full crown, bridge, inlay, onlay, veneer, post-core crown, telescopes, personalized abutment, hybrid implant bridge, denture



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



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

Device Parameters

Specification	Parameters
Dimensions	65*65*175cm
Weight	380kg
Voltage	220V 50Hz 110V 60Hz (Optional)
Power	4.0KW
Compatible Compressed Air	0.55-0.8 MPa
Spindle Speed	60,000rpm
Precision	< 0.01mm

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

Device Parameters

Specification	Parameters
Dimensions	65*65*175cm
Weight	400kg
Voltage	220V 50Hz 110V 60Hz (Optional)
Power	4.5KW
Compatible Compressed Air	0.55-0.8 MPa
Spindle Speed	60,000rpm
Processing accuracy	< 0.01mm
Rotation Angle	A axis is ±30°, B axis is ±360°

Specification	Parameters
Number of Bur	16
Cooling Type	Water cooling
Materials	Titanium disc, PMMA, Pre-milled, Wax Co-cr disk / Glass ceramic (optional)
Application	Customized abutment, implant bridge bar clip, pre-milled abutment inner coping,full crown bridge / inlay, veneer (optional)
Milling Speed	Customized butment (40 mins/unit) Pre-milled butment (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

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 Parameters

Specification	Parameters
Dimensions	45*35*42cm
Weight	45kg
Voltage	220V 50Hz
Power	<1KW
Compatible Compressed Air	0.42-0.8 MPa
Spindle Speed	80,000rpm
Precision	< 0.01mm
Number of Bur	5
Cooling Type	Water cooling
Materials	Composite Resin Block, Glass ceramic, Titanium Block PMMA, Hyramic
Application	Veneer, full contour crown, inlay, onlay, pre-milled abutment
Milling Speed	PMMA (12 minutes/pc), Glass-ceramic (10~30 minutes/pc), Premill (40 minutes/pc)



Device Parameters

Specification	Parameters
Dimensions	120*100*180cm
Weight	1000kg
Voltage	220V 50Hz ; 380V 50Hz (Optional)
Power	5.5KW
Spindle Speed	40,000rpm
Precision	< 0.01mm
Number of Bur	7
Cooling Type	Water cooling
Materials	Titanium disc or block, Co-cr, Composite Resin, Titanium block (optional)
Application	Denture framework, metal crown, pre-milled abutment (optional)
Milling Speed	Titanium Framework (150 minutes/big size/pc), PMMA (10 minutes/pc), Titanium crown (25 minutes/pc), Premill (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.



C1

Speed Sintering Furnace

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



Device Parameters

Specification	Parameters
Dimensions	42*46.5*80cm
Net Weight	44kg
Rated Voltage	220V+/-10%
Rated Power	2.5KW
Max Working Temperature	1550°C
Protection Level	IP21
Fast Fuse	-500V/32A
Fuse	①: 2X-380V/16A ②: -250V/0.5A ③: 250V/1A
Heating rate	2-30 °C

Device Parameters

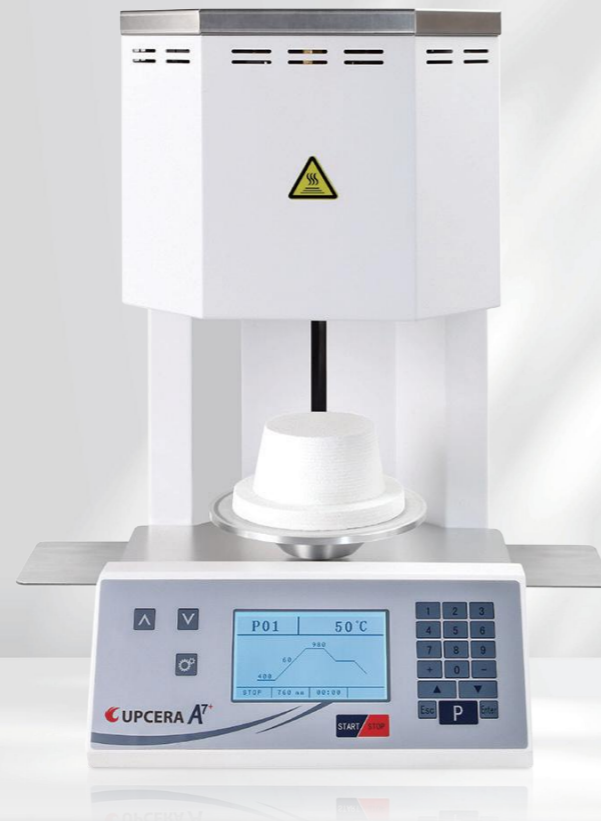
Specification	Parameters
Rated Voltage	220±10%
Rated Frequency	50Hz
Rated Power	2000W
Protection Level	IP21
Dimensions	325*585*745mm
Heating rate	2-15 °C

Specification	Parameters
Protective Tube1	2x ~380V 16A
Protective Tube2	~250V 0.5A
Speed Protective Tube	~500V 32A
Net Weight	70KG
Maximum Temperature	1580 °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



R-407-1 / R-411

Dust Collector - Special for Zirconia CAD/CAM

- 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

Specification	Parameters
Dimensions	33*42*56cm
Weight	26.5kg
Voltage	220V 50Hz ± 10%
Heating Rate	10-100°C
Maximum Input Voltage	1200w+350w
Maximum Working Temperature	1150°C
Ultimate Vacuum Degree	<35mmhg
Constant Temperature Time	00:30-30:00min
Chamber Available Sizes	φ85x55 (mm)
Waterproof Level	IPX1
Fuse	Fuse 1: 3.0A Fuse 2: 8.0A

Specifications

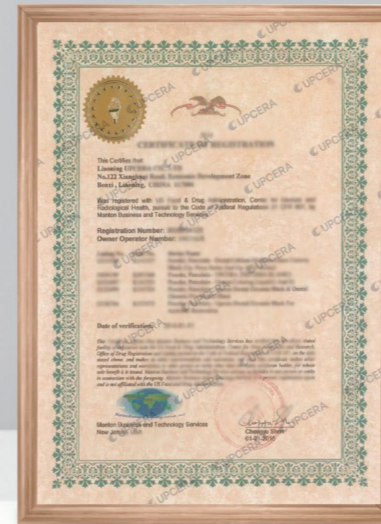
Model	R-407-1
Voltage	220V
Electric current	4A
Power	1200W (Max)
Frequency	50Hz
Weight	47kg
Size	46*42*66cm
Conect Milling Machine	2PCS

Model	R-411
Voltage	220V
Electric current	1.6A
Power	350W (Max)
Frequency	50Hz
Weight	29.5kg
Size	42*40*60cm
Conect Milling Machine	1PCS

CORPORATE CERTIFICATION



CE



FDA



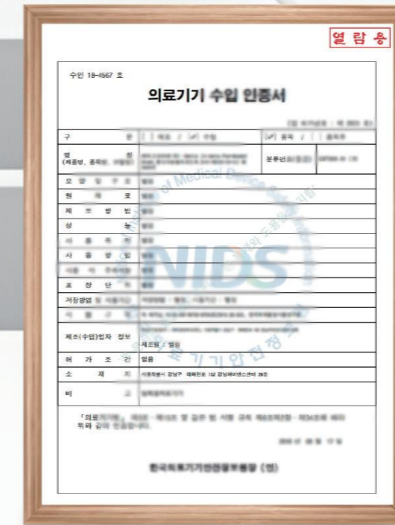
GOST



Health Canada



ISO13485



KFDA



MDR