UPCERA AROUND THE WORLD

UPCERA Dental America Inc.

13100 Alondra, Unit 105
Cerritos,CA 90703, United States

(888)342-3549
salesweb@upceradentalamerica.com
upceradentalamerica.com

Follow us on:

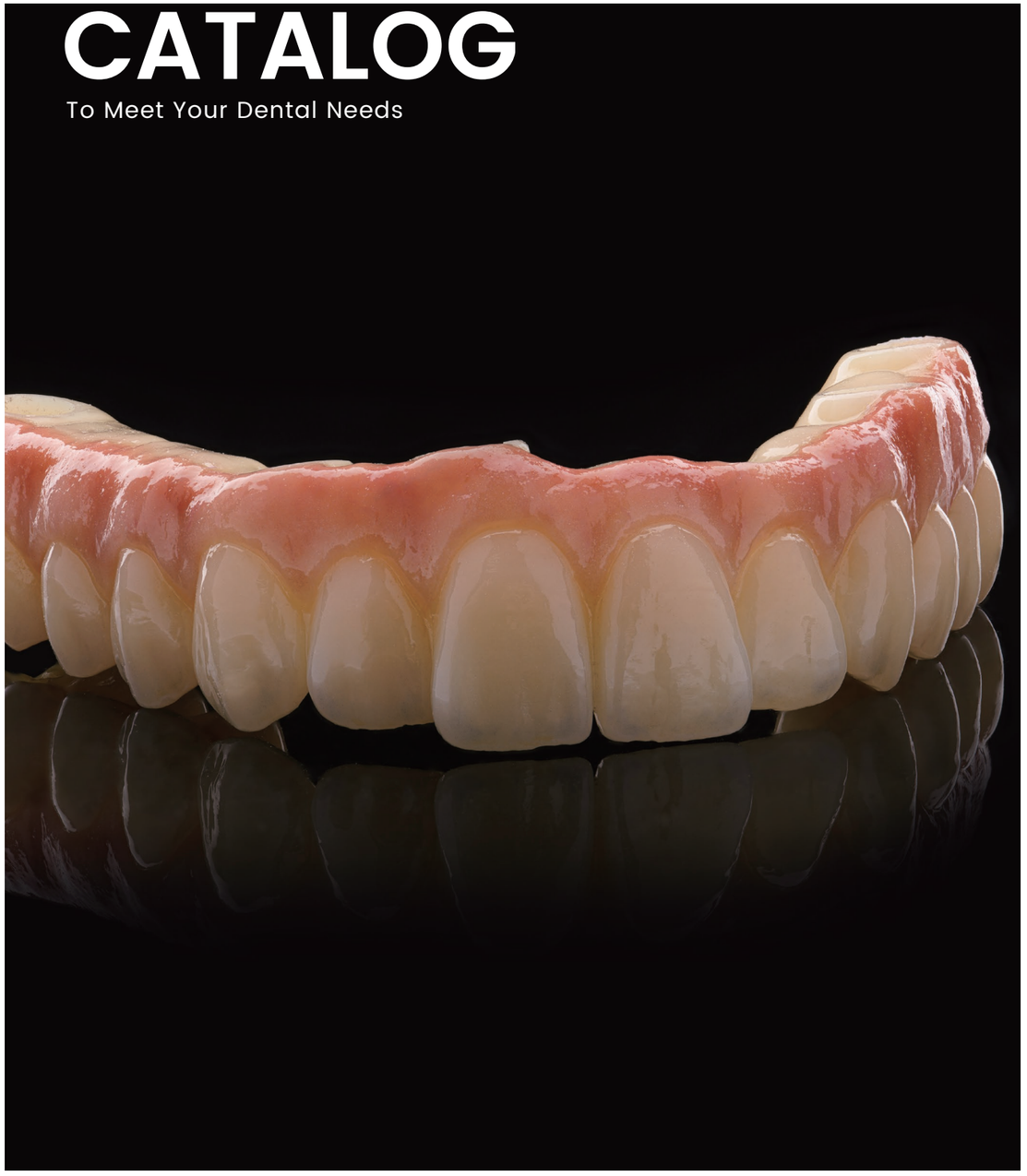
Upcera Dental America
upceradentalinc
Upcera America

Facebook | Instagram | Youtube

UPCERA

PRODUCT CATALOG

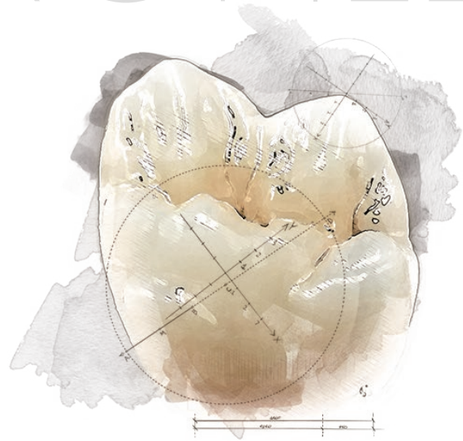
To Meet Your Dental Needs



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 R&D and innovation in 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 worldwide, in Asia, North America, and Europe, and is committed to providing reliable and affordable dental restoration solutions for global dental professionals.

ALL CERAMIC FAMILY

For All Your Dental Needs

Zirconia Family / All Zirconia

UPCERA Zirconia Family

	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
RAW MATERIAL	3Y-TZP & 4Y-PSZ	3Y-TZP & 4Y-PSZ	4Y-PSZ & 5Y-PSZ	5Y-PSZ	5Y-PSZ	4Y-PSZ	4Y-PSZ	4Y-PSZ	3Y-TZP-A	3Y-TZP	3Y-TZP	3Y-TZP
TRANSLUCENCY	43% - 46.6%	43% - 46.6%	47% - 48.8%	49%	49%	47%	47%	47%	39%	43%	43%	43%
STRENGTH	1027~1300 MPa	1027~1300 MPa	727~1000 MPa	600 MPa	600 MPa	1000 MPa	1000 MPa	1000 MPa	1300 MPa	1300 MPa	1300 MPa	1300 MPa
SHADES	A1 \ A2 \ A3 B1 \ B2 C1 \ C2 D2 \ BL3	A1 \ A2 \ A3 A3.5 \ A4 \ B1 B2 \ B3 \ B4 C1 \ C2 \ C3 \ C4 D2 \ D3 \ D4 \ BL1 BL2 \ BL3 \ BL4	A1 \ A2 \ A3 A3.5 \ A4 \ B1 B2 \ B3 \ B4 C1 \ C2 \ C3 C4 \ D2 \ D3 D4 \ BL1 \ BL2	White	A1 \ A2 \ A3 A3.5 \ A4 \ B1 B2 \ B3 \ B4 \ C1 C2 \ C3 \ C4 \ D2 D3 \ D4	White	A1 \ A2 \ A3 A3.5 \ A4 \ B1 B2 \ B3 \ B4 C1 \ C2 \ C3 C4 \ D2 \ D3 D4 \ BL1 \ BL2	A1 \ A2 \ A3 A3.5 \ A4 \ B1 B2 \ B3 \ B4 C1 \ C2 \ C3 C4 \ D2 \ D3 \ D4	White	White	A1 \ A2 \ A3 A3.5 \ A4 \ B1 B2 \ B3 \ B4 C1 \ C2 \ C3 \ C4 D2 \ D3 \ D4 OM1 \OM2 \ OM3	A1 \ A2 \ A3 A3.5 \ A4 \ B1 B2 \ B3 \ B4 \ C1 \ C2 \ C3 \ C4 \ D2 \ D3 D4

All Ceramic Family / All Zirconia

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　　√ Avaliable 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

All Ceramic Family / All Zirconia

Specification

All Popular Systems Available

System	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	D98 x 10 (stepless)	1pc/box	●	●	●		●		●	●				
	D98 x 12 (step & stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98 x 14 (step & stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98 x 16 (step & stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98 x 18 (step & stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98 x 20 (step & stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98 x 22 (step & stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98 x 25 (step &stepless)	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D98 x 30 (step & stepless)	1pc/box		●	●									●
 Cerec in lab (Sirona) System	20 x 14 x 15	12pcs/box	●	●	●									
	20 x 19 x 15	10pcs/box	●	●	●						●	●	●	
	40 x 14 x 15	8pcs/box	●	●	●									
	40 x 19 x 15	6pcs/box	●	●	●						●	●	●	
	55 x 19 x 15	5pcs/box	●	●	●						●	●	●	
	65 x 25 x 22	4pcs/box	●	●	●						●	●	●	
	85 x 40 x 22	2pcs/box	●	●	●									
 Zirkonzahn® CAD/CAM System	D95 x 10	1pc/box	●	●	●									
	D95 x 12	1pc/box	●	●	●		●		●	●				
	D95 x 14	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95 x 16	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95 x 18	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95 x 20	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95 x 22	1pc/box	●	●	●	●	●	●	●	●	●	●	●	
	D95 x 25	1pc/box	●	●	●	●	●	●	●	●	●	●	●	

HT White

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

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

CE 0197 FDA

Translucency
39%

Strength
1300 MPa

Optimum Indications

- Coping
- Reduced posterior bridge (≥3 units)

System

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

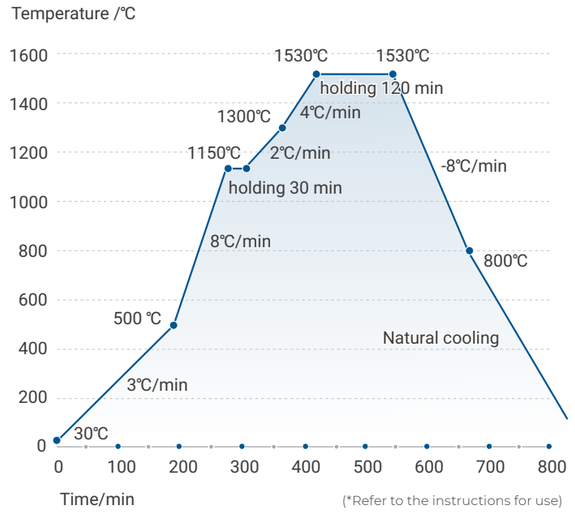
Physical Characteristics

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

$ZrO_2 + HfO_2 + Y_2O_3$	>99%
Y_2O_3	4.5%-6%
Al_2O_3	<0.5%
Other oxides	<0.5%

Sintering program



(*Refer to the instructions for use)

ST Series

ST WHITE | **ST PRE-SHADED** | **ST 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.

CE 0197 FDA

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)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	<0.1Bq/g	<0.1Bq/g	<0.1Bq/g
Sintering temperature	1530°C	1530°C	1530°C

Chemical Composition

$ZrO_2 + HfO_2 + Y_2O_3$	>99%	>97%	>97.7%
Y_2O_3	4.5%-6%	4.4%-5.5%	4.4%-5.5%
Al_2O_3	<0.5%	<0.5%	<0.5%
Fe_2O_3	-	<0.3%	<0.3%
Er_2O_3	-	<1.0%	<1.0%
Other oxides	<0.5%	<1.2%	<1.2%

ST White

Translucency
43%

Strength
1300 MPa

Optimum Indications

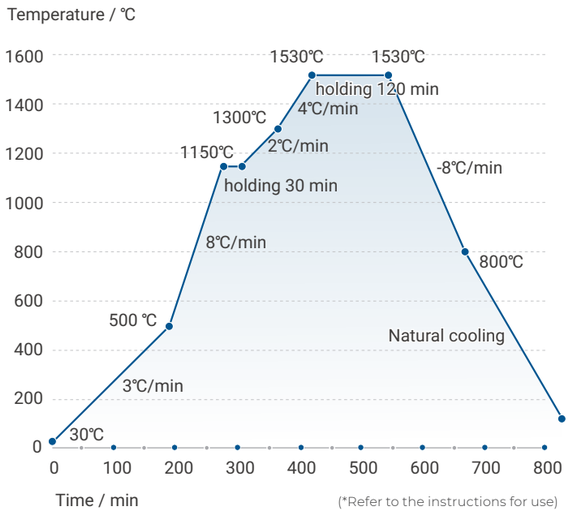
- Posterior bridge(> 4 units)
- Coping
- Reduced posterior bridge (≥ 3 units)

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

System

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

Sintering program



(*Refer to the instructions for use)

ST Pre-shaded

Strength
1300 MPa

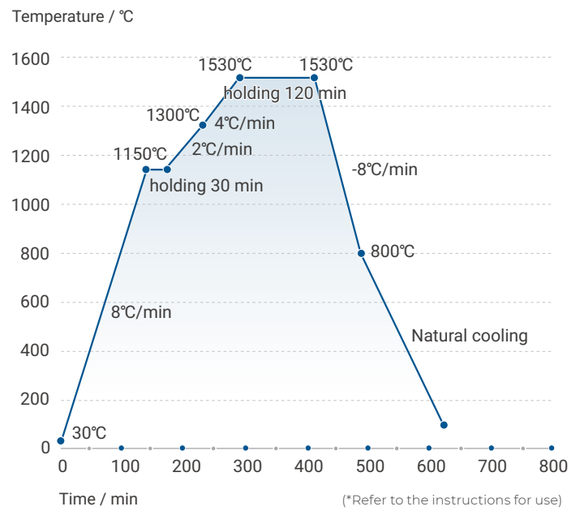
Optimum Indications

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

Available in a variety of shades, ST pre-shaded zirconia can meet your needs for most restorations. With optimal stability and outstanding anti-aging performance, it is a good choice for labs.

Shades

Sintering program



(*Refer to the instructions for use)

System

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

ST Multilayer

The pre-shaded multilayer zirconia offers a smooth gradient of chroma from cervical to incisal and extraordinary machinability, making ST-ML an excellent choice for full contour bridge restorations.

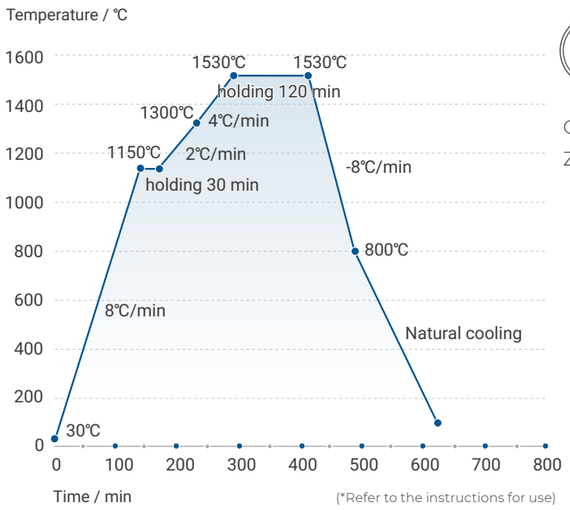
Strength
1300 MPa

Optimum Indications

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

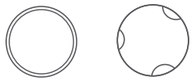
Shades

Sintering program



(*Refer to the instructions for use)

System



Open CAD/CAM System,
Zirkonzahn® CAD/CAM System

TT ONE Series

TT ONE WHITE | TT ONE PRE-SHADED | TT ONE MULTILAYER

UPCERA TT ONE zirconia is popular worldwide because it perfectly combines high strength and excellent translucency for all indications.

CE 0197 FDA

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

$ZrO_2 + HfO_2 + Y_2O_3$	>96.5%	>96.5%	>96.5%
Y_2O_3	5.8%-9.7%	5.8%-9.7%	5.8%-9.7%
Al_2O_3	<0.5%	<0.5%	<0.5%
Fe_2O_3	-	<0.5%	<0.5%
Er_2O_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.

Translucency
47%

Strength
1000 MPa

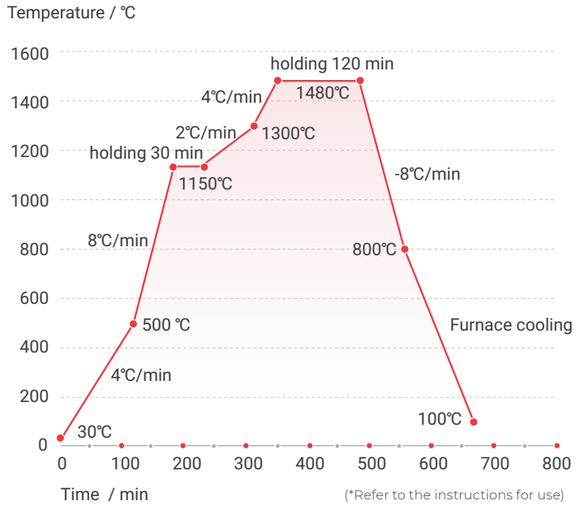
Optimum Indications

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

System

Open CAD/CAM System,
Zirkonzahn® CAD/CAM System

Sintering program



(*Refer to the instructions for use)

TT ONE Pre-shaded

The pre-shaded zirconia is available in 16 VITA classical shades and two bleach shades. It is easy to work with, offering good stability and efficiency.

Strength
1000 MPa

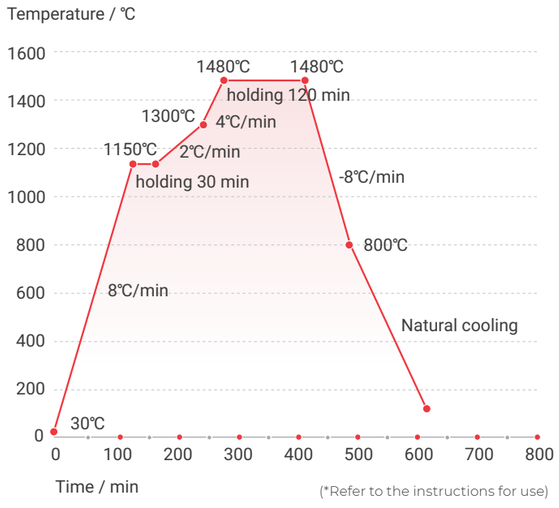
Optimum Indications

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

Shades

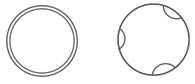
A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 BL1 BL2

Sintering program



(*Refer to the instructions for use)

System



Open CAD/CAM System,
Zirkonzahn® CAD/CAM System

TT ONE Multilayer

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

Strength
1000 MPa

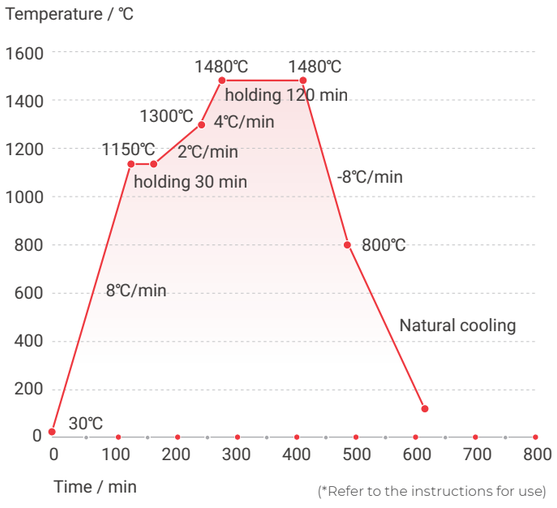
Optimum Indications

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

Shades

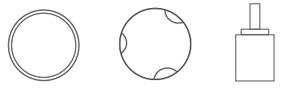
A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4

Sintering program



(*Refer to the instructions for use)

System



Open CAD/CAM System,
Zirkonzahn® 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 translucency
- Seamless transition of color

CE 0197 FDA

TT Series

Physical Characteristics	TT White	TT Multilayer
Density after sintering	≥6.0g/cm^3	≥6.0g/cm^3
CTE (25-500℃)	(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	<0.1Bq/g	<0.1Bq/g
Sintering temperature	1450℃	1450℃

Chemical Composition

$ZrO_2 + HfO_2 + Y_2O_3$	>96.5%	>96.5%
Y_2O_3	5.8%-9.7%	5.8%-9.7%
Al_2O_3	<0.5%	<0.5%
Fe_2O_3	-	<0.5%
Er_2O_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.

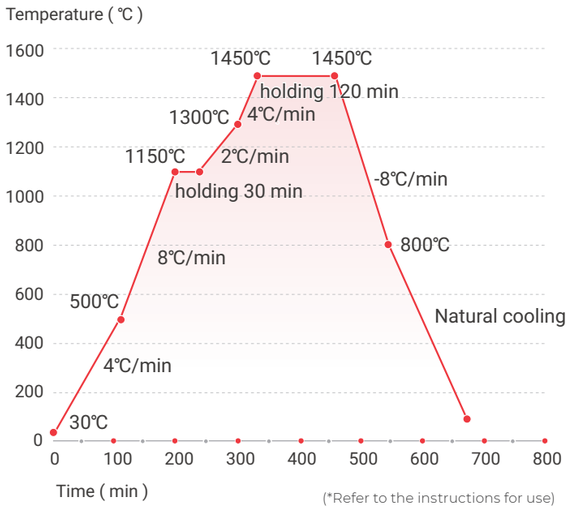
Translucency
49%

Strength
600 MPa

Optimum Indications

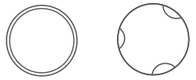
- Full contour crown
- Anterior and posterior bridge (3 units)

Sintering program



(*Refer to the instructions for use)

System



Open CAD/CAM System,
Zirkonzahn® CAD/CAM System

TT Multilayer

TT multilayer zirconia provides a seamless gradient of chroma and translucency. Available in 16 VITA classical shades, it offers excellent aesthetics without the need to add porcelain.

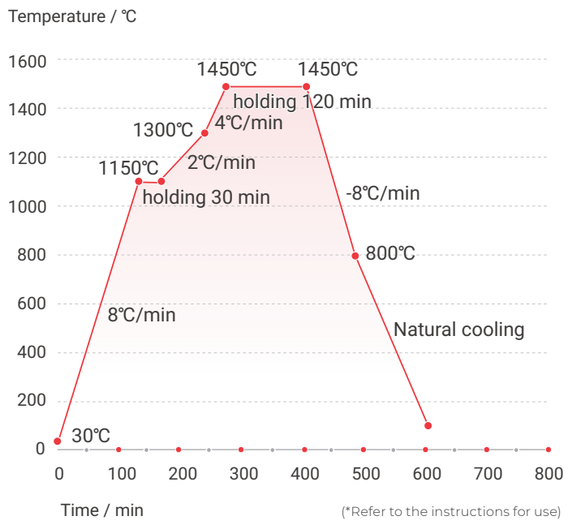
Strength
600 MPa

Optimum Indications

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

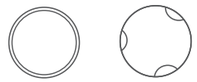
Shades

Sintering program



(*Refer to the instructions for use)

System



Open CAD/CAM System,
Zirkonzahn® CAD/CAM System

Explore Series

EXPLORE HYBRID | EXPLORE FUNCTIONAL | EXPLORE ESTHETIC

UPCERA Explore is an innovative zirconia with the sweet spot between strength and translucency. With the help of the Explore line of zirconias, natural-looking restorations can be created in less time. Try Explore to simplify your workflow and boost the profitability of your laboratory.

CE 0197 FDA

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℃)	(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℃	1480℃	1480℃
Chemical Composition			
ZrO_2 + HfO_2 + $Y2O_3$	>96.5%	>96.5%	>96.5%
Y_2O_3	5.8%-9.7%	5.8%-9.7%	5.8%-9.7%
Al_2O_3	<0.5%	<0.5%	<0.5%
Fe_2O_3	<0.5%	<0.5%	<0.5%
Er_2O_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 %

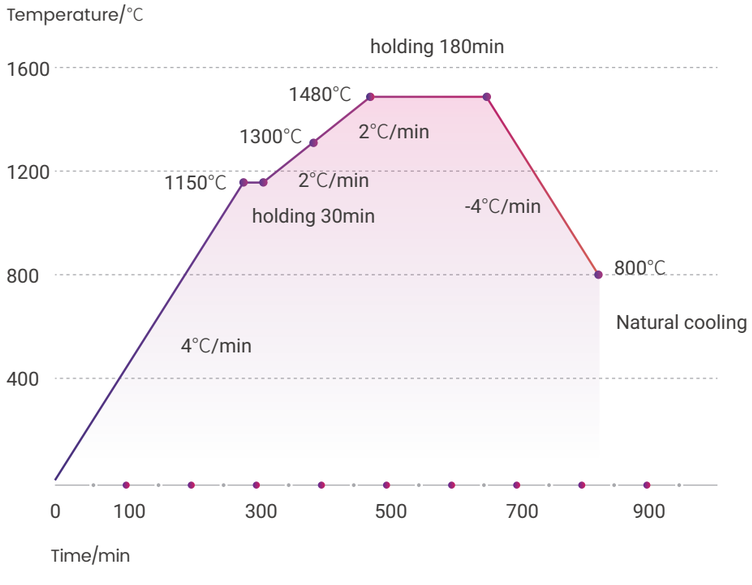
Explore Hybrid

This product combines function and aesthetics, offering a simple and efficient workflow by providing ample depth for soft tissue and allowing placement of dentition to take advantage of the chroma and translucency gradient. Quickly create natural-looking restorations.

Optimum Indications: Full-arch restorations

Shades

Sintering program (Explore Hybrid)



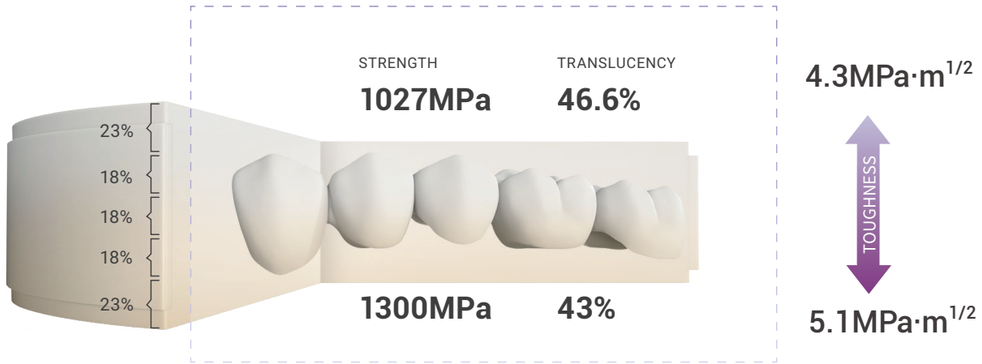
Explore Functional

Explore Functional is a zirconia with a seamless gradient of chroma, translucency, and strength.
Easy to use and create natural-looking aesthetic restorations, Explore Functional is a good choice for posterior restorations and chairside restoration.

Optimum Indications

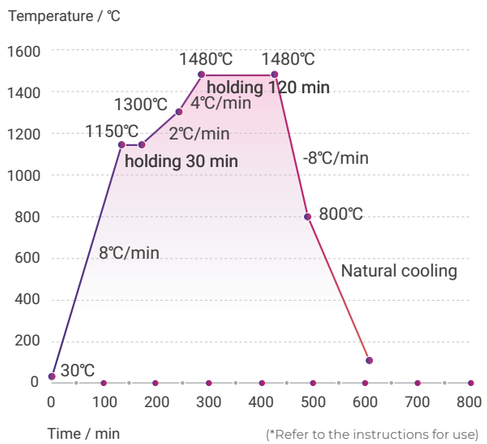
- Full Contour Posterior Crown
- Posterior bridge (3 units, 4 units)

System



Shades

Sintering program



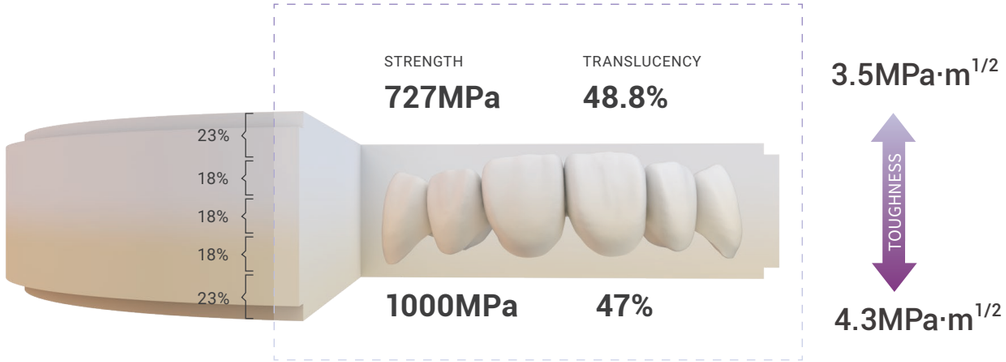
Explore Esthetic

Explore Esthetic provides exceptional translucency, making it suitable for anterior restorations with higher aesthetic requirements. This multilayer zirconia has a seamless gradient strength, translucency, and chroma.

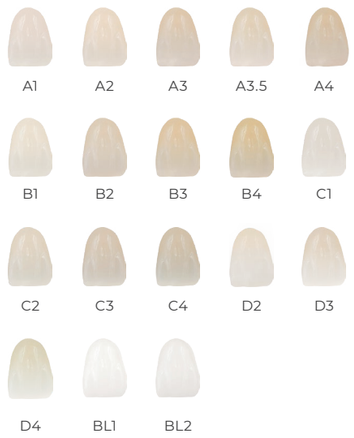
Optimum Indications

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

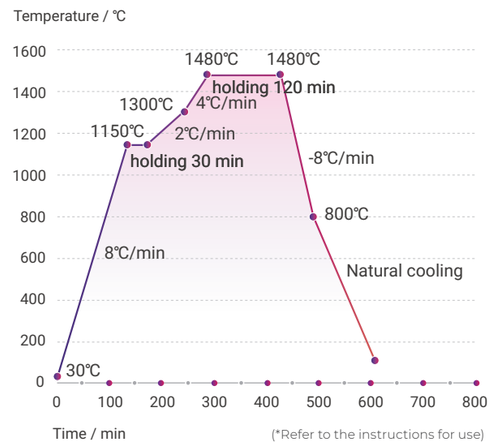
Sytem



Shades



Sintering program



Hyramic

- Available in mono or multilayer
- Elastic Modulus Approximates to Natural Dentin
- Simple Milling, No Need to Sinter
- Chairside Instant Restorations

Strength
≥180 MPa

Chemical Composition

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

Technical Parameters

Water absorption	≤25μg/cm³
Solubility in water	≤2μg/cm³

System

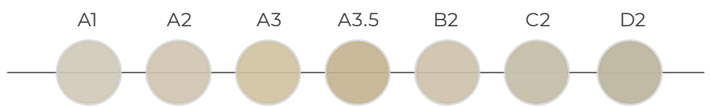
Open CAD/CAM System,
Cerec in lab (Sirona)System

Indications

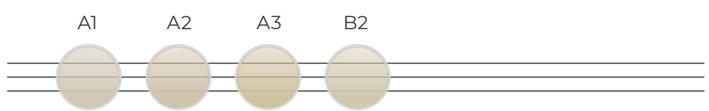
Veneers | Inlays / Onlays | Full Contour Anterior Crown | Full Contour Posterior Crown

Available for Single & Multilayer Shades

LT 18-14-12



ML 18-14-12



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
	26 shades (ST)	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

Realism Glaze Paste

Realism stain and glaze paste kit has a wide range of colors and is ideal for all ceramics. Its simple operation allows the user to quickly complete the stain and glaze process and achieve natural 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 | GLAZE LIQUID
BASE D | BLUE | REDDISH BROWN | PINK | DARK PINK

Stain & Glaze Paste Basic Kit

meets basic needs with 7 colors

BASE A | BASE B | PINK | GLAZE LIQUID
GREY | BLUE | OLIVE GREEN | GLAZE

Firing Program

For less than three unit bridges or crowns

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

For more than three unit bridges

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

Notes:
1. The heating and cooling rates depend on the restoration. The greater the number of restoration units, the slower the heating and cooling rate will be; otherwise, there is an increased risk of bridge fractures and cracks.
2. It is recommended to lower the sintering temperature by 10℃ when you need to process the second firing.
3. Regular maintenance and temperature calibration are needed to ensure proper porcelain furnace firing conditions. Be aware there is typically a temperature difference between the actual furnace temperature and the temperature shown on the machine program screen.

PMMA

- Excellent abrasion resistance and no deformation
- Available in mono shade or multilayer

Technical Parameters

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

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℃
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

Grinding Tools For Zirconia and Porcelain Restorations

Ceramic Diamond Grinders Special for Zirconia

Material: Ceramic powder mixed with diamond grit.

Usage: For fast finishing and dry grinding of zirconia. This is an alternative to using a diamond bur with water cooling.

Caution: Please use within the recommended RPM or the restoration may be damaged!

Grit: Mid-Coarse							
Packing(pcs): 1							
Order No.:	CD 001 3	CD 006 3	CD 008 3	CD 007 3	CD 009 3	CD 011 3	CD 012 3
Recommended R.P.M:	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
Size Φ × L(mm):	13 x 7	16 x 2	22 x 2	16 x 3.5	22 x 4.5	16 x 1.5	22 x 2
ISO No.: 805...	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.:	CD 201 3	CD 202 3	CD 203 3	CD 212 3	CD 214 3	CD 221 3	CD 222 3
Recommended R.P.M:	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
Size Φ × L(mm):	3 x 7	5 x 12	7 x 12	4 x 10.5	3 x 7	5 x 2.5	13 x 3.5
ISO No.: 805...	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.:	CD 224 3	CD 225 3	CD 231 3	CD 232 3	CD 251 3
Recommended R.P.M:	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
Size Φ × L(mm):	3.6 x 7	6 x 8	12 x 2	12 x 3	3 x 3
ISO No.: 805...	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.:	CD 232 4	CD 202 4	CD 212 4	CD 214 4
Recommended R.P.M:	20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min	20,000-35,000 / min
Size Φ × L(mm):	12 x 3	5 x 12	4 x 10.5	3 x 7
ISO No.: 805...	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: Synthetic rubber with diamond grit

Usage: For quickly smoothing and polishing zirconia crowns, zirconia veneers, and porcelain teeth.

Caution: Please use within the recommended RPM or the restoration may be 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	RD 201 3	RD 202 3	RD 211 3	RD 212 3	RD 216 3	RD 221 3	RD 222 3
Packing(pcs): 1							
Order No.:							
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	RD 231 3	RD 232 3	RD 233 3	RD 241 3	RD 237 3A
Packing(pcs): 1					
Order No.:					
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	110VAC/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

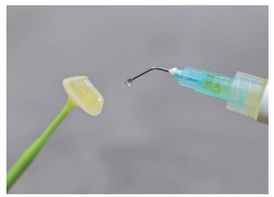
Usage

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

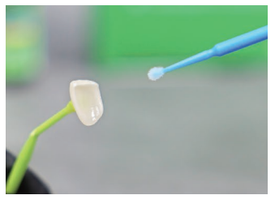
Ideal for working with veneers, inlays, onlays, crowns, bands, brackets, dental jewelry, and more.

Product video

What can it be used for during the dental treatment?



Etching



Silanization

Cementation

Placement

FLNT Shine ZrO_2 Polishing Paste

Extra-oral polishing paste for zirconium dioxide.
Specially formulated abrasive with extra course 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

Non-abrasive glass beads for smoothing and condensing of surfaces.

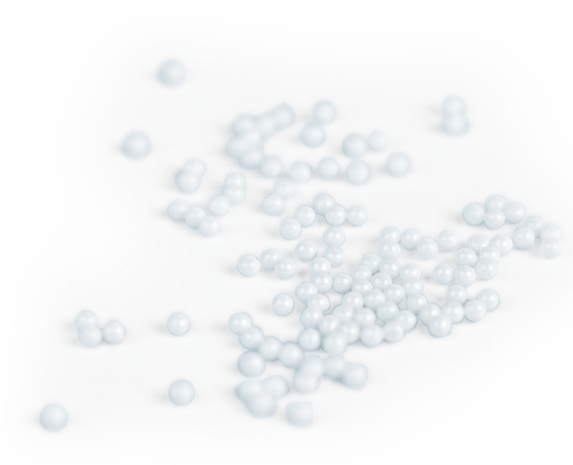
Specification:

500g / 1kg / 2kg / 3kg / 4kg / 5kg / Customized

FLNT Pearl

Zirconia Sintering Beads

FLNTPearl can withstand up to 1700°C and are made of high-purity zirconia providing contamination-free 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 with a 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

U5 ProH
Lab Scanner

5-axis
Dry Milling

Explore
Multilayer Zirconia

GT1
Sintering Furnace

Glaze Paste
Realism Glaze & Stains

01 Scanning — 02 Software Designing — 03 Milling — 04 Sintering — 05 Glazing — 06 Finished

Chair Side

S6000
Intraoral Scanner

4-axis
Wet Milling

A7+
Porcelain Furnace

Glaze Paste
Realism Glaze & Stains

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

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

- Shotren 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

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

Traditional Impression

Takes 10 Mins & Strong gag reflex
Poor comfort & Complex procedure
Colorless 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℃ 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, unsgemented models, implants, etc.

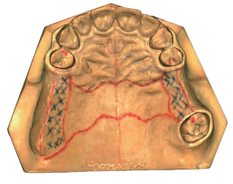
Open system-simple and fast, easy to use

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.

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

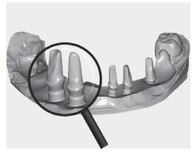


Scan data

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

FLNTScan R1

Intraoral Scanner

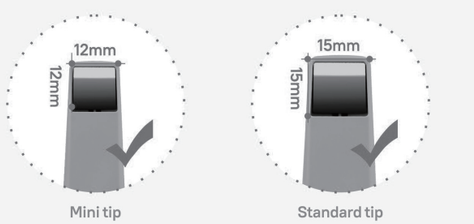
- Lighter Handpiece
- Spontaneous heating and windless anti-fog
  Autoclavable 100 times per tip
- Calibration free
- Detachable and fixed cable

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

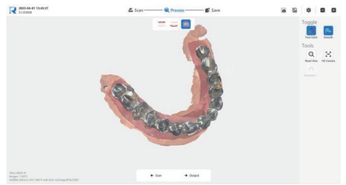
The AI function built into the software, not only does it remove any soft tissue artefacts captured automatically but it completely ignores the tongue and cheeks.



Open system

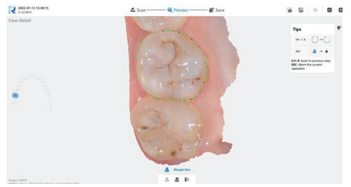
Multilingual system

Unique Functions



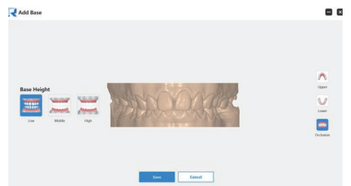
Metal Scan

Key optimizations have been made to reduce the noise created by scanning metal. Optimized metal scan tools can help dentists scan metal materials more easily.



Margin Line Drawing

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



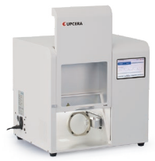
Model Builder

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

Specification

Handpiece	Dimension (L x W x H)	240mm x 49.5mm x 30.5mm
	Weight	210g
Tip	Standard tip size	79mm x 19.7mm x 15.8mm
	Mini tip size	80mm x 16mm x 11mm
	Scan area (Standard)	15mm x 15mm
	Scan area (Mini)	12mm x 12mm
	Depth of field	15mm
	Autoclavable	Up to 100 times Autoclavable 121℃ 16mins | Autoclavable 134℃ 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

Digital Dental Solutions / UPCERA Milling Machine

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	2300W	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	—	—	—	✓	—	✓	—	✓	—
Unsintered Metal	✓	✓	✓	✓	✓	✓	✓	—	✓
Chrome Cobalt	—	—	—	—	—	✓	✓	—	✓
Titanium Disc	—	—	—	—	—	✓	✓	—	✓
Premill	—	—	—	✓	—	✓	✓	✓	✓
Crown/ Inlay/ Onlay	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bridge (4 units)	✓	✓	✓	✓	✓	✓	✓	—	✓
Bridge (14 units)	✓	✓	✓	✓	✓	✓	✓	—	✓
Splints	✓	✓	✓	✓	✓	✓	✓	—	✓
Framework	✓	✓	✓	✓	✓	✓	✓	—	✓
Premill	—	—	—	✓	—	✓	✓	✓	✓
Bar structure/ Screw-Retained bridge	—	—	—	—	—	—	✓	—	—
Multiple Configurations Available at Purchase. Contact Technical Support for Details.	—	—	—	—	—	✓	✓	—	✓

✓ Yes — No

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 x 49 x 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

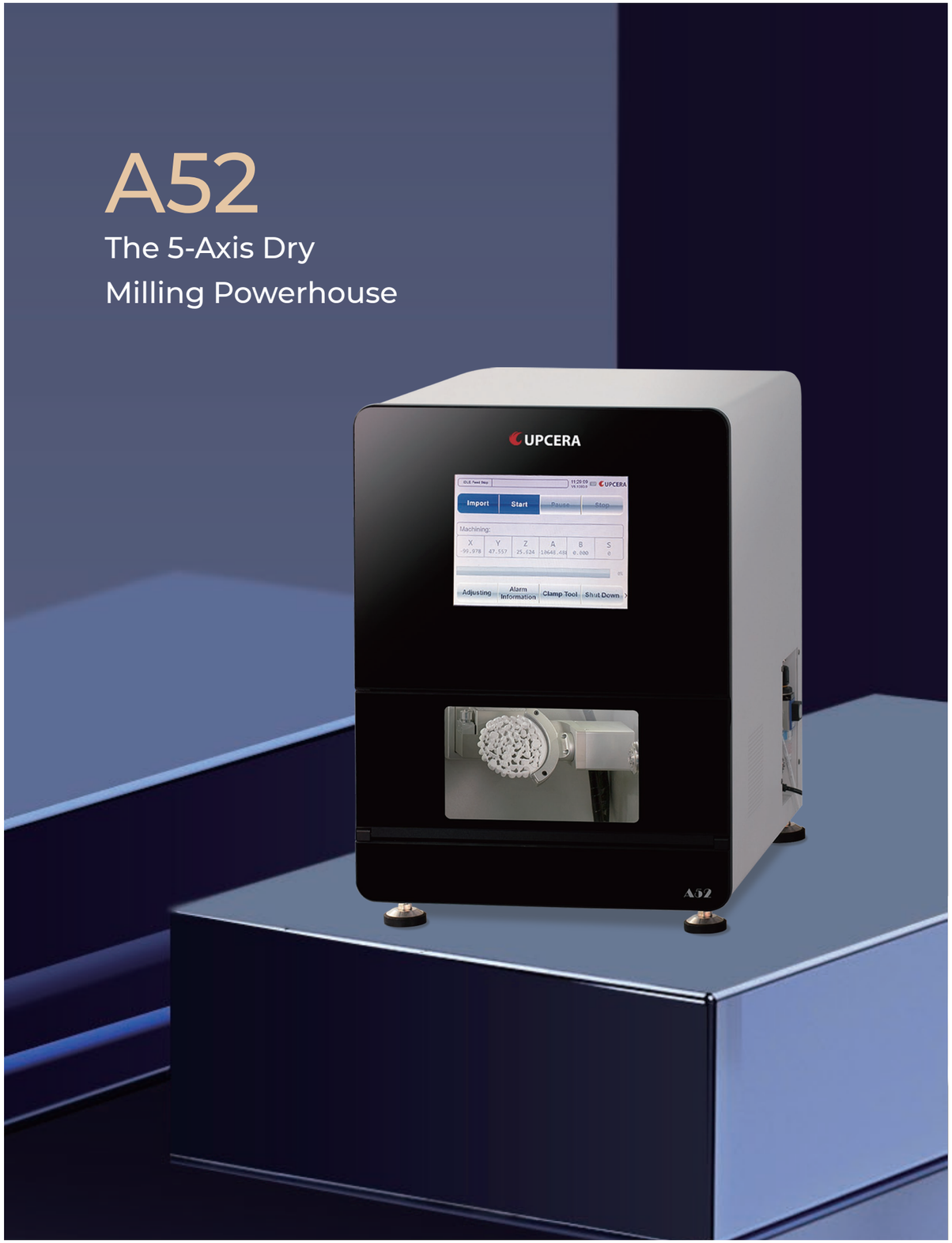
Surgical Guide

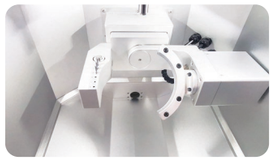
Device Parameters

Specification	Parameters
Dimensions	53 x 47 x 56cm
Weight	110kg
Voltage	220V 50Hz
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)

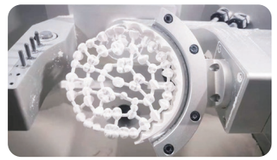
A52

The 5-Axis Dry Milling Powerhouse





Spindle Speed: 80,000 rpm



Precision: ＜0.01mm

90° Vertical Milling

- 5-axis simultaneous milling
- Integrated full enclosed milling chamber for outstanding dust collection.
- 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 detection

Device Parameters

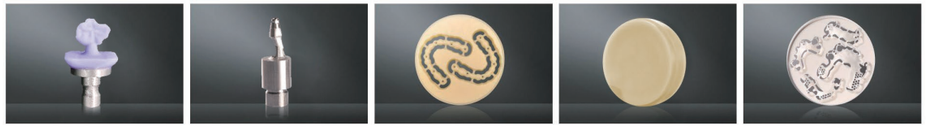
Specification	Parameters
Dimensions	55 x 49 x 74cm
Weight	110kg
Voltage	220V 50Hz ; 110V 60Hz
Power	1.0kw
Compatible Compressed Air	0.5-0.8 MPa
Spindle Speed	80, 000rpm
Tilt Angle	A axis: ±360°, B axis: -35°/+95°
Precision	<0.01mm
Number of Bur	12
Cooling Type	Air cooling
Materials	Zirconia, Wax, PEEK, PMMA (Φ98.5mm, thinkness 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



Glass ceramic | Premill | PMMA | Wax | PEEK

Device Parameters

Specification	Parameters
Dimensions	55 x 49 x 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, framework pre-milled abutment, abutment on Ti base

A53

The 5-Axis Dry Milling Powerhouse

- 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 Paremeters

Specification	Parameters
Dimensions	100 x 70 x 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, thinkness 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, customized abutment crown, 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

Device Paremeters

Specification	Parameters
Dimensions	65 x 65 x 175cm
Weight	380kg
Voltage	220V 50Hz
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 and Glass-ceramic *Titanium Disc, PMMA Disc and PEEK
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) Metal Crown (25 mins/unit) Framework (Wax/PEEK/Titanium, 45/120/180 mins/pc)

*Requires different configuration to be ordered at purchase.

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 Paremeters

Specification	Parameters
Dimensions	65 x 65 x 175cm
Weight	400kg
Voltage	220V 50Hz
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, Pre-milled*, Peek, Wax, C0-Cr disc
Application	Customized abutment, implant bridge bar clip, pre-milled abutment inner coping,full 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)

*Requires different configuration to be ordered at purchase.

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

Device Paremeters

Specification	Parameters
Dimensions	45 x 35 x 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)

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 x 100 x 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℃. 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	42 x 46.5 x 80cm
Net Weight	44kg
Rated Voltage	220V+/-10%
Rated Power	2.5KW
Max Working Temperature	1550℃
Protection Level	IP21
Fast Fuse	-500V/32A
Fuse	①:2X-380V/16A ②: -250V/0.5A ③: 250V/1A
Heating rate	2-30 ℃

C1

Speed Sintering Furnace

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

Device Parameters

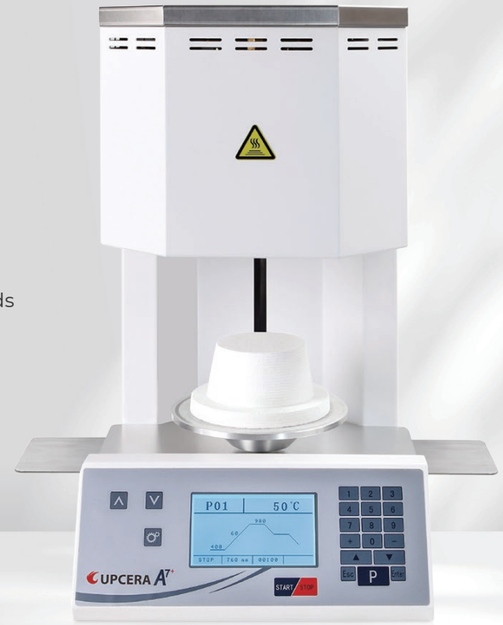
Specification	Parameters
Rated Voltage	220±10%
Rated Frequency	50Hz
Rated Power	2000W
Protection Level	IP21
Dimensions	325 x 585 x 745mm
Heating rate	2-15 ℃

Specification	Parameters
Protective Tube1	2x ~380V 16A
Protective Tube2	~250V 0.5A
Speed Protective Tube	~500V 32A
Net Weight	70KG
Maximum Temperature	1580 ℃
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	33 x 42 x 56cm
Weight	26.5kg
Voltage	220V 50Hz ± 10%
Heating Rate	10-100℃
Maximum Input Voltage	1200w+350w
Maximum Working Temperature	1150℃
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

R-407-1 / R-411

Dust Collector

- Special for Zirconia CAD/CAM

- Compact and portable design with strong suction up to 24m/s
- Running under ultra-silence modes, the noise is lower than 65dB.
- Stepless variable speed brushless motor can provide more than 20,000 running time
- Long service life, high efficiency, 8μm particles can be filtrated, easy to maintain, easy to clean up.

Specifications

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

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

CORPORATE CERTIFICATION

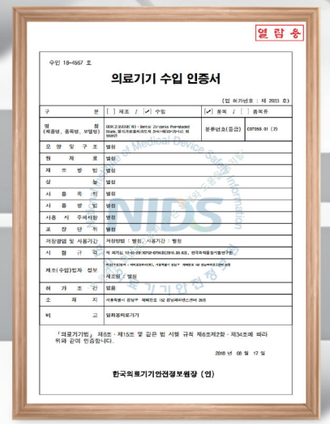
CE

FDA

GOST

Health Canada

ISO13485



KFDA