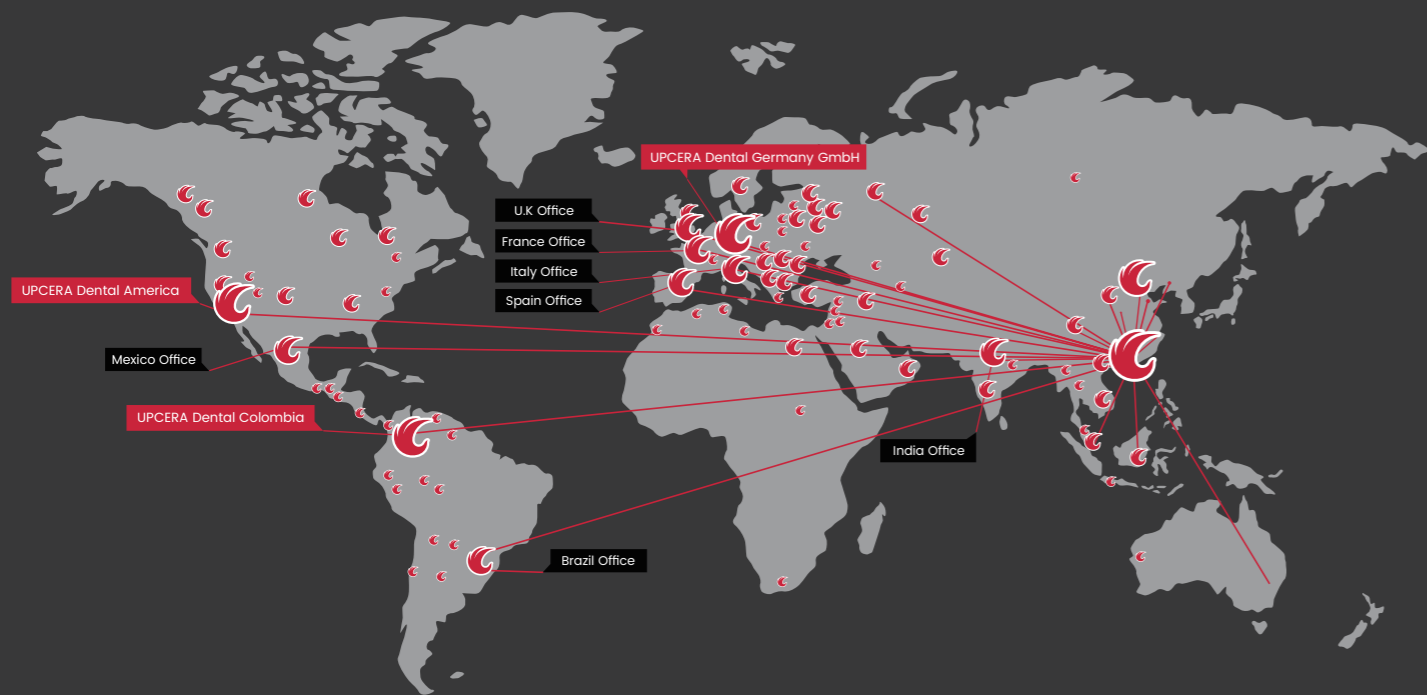


Going out to the world,
and becoming a leading force
in the development of global dentistry.



UPCERA Dental America Inc.

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UPCERA



PRODUCT CATALOG

RELIABLE MATERIALS EXPERT

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Better Materials Better Life

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.

25+

Years of Dedicated R&D

110+

Countries and Regions

4.4 M⁺

Restorations
(22 Units Per Disc)

2000 M⁺

Number of Dental
Ceramics Sold

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

ALL CERAMIC FAMILY

For All Your Dental Needs



UPCERA Zirconia Family



*Test results following ISO 6872

Indication Guide

Suitable for All Indications

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

★ Highly recommended

✓ Available for this indication

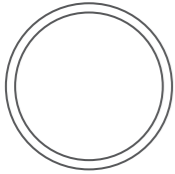
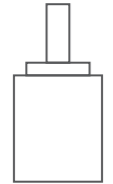
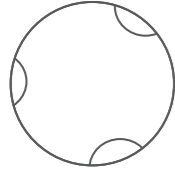
× Not indicated

* Based on the design principles of fixed restorations.

Due to the regulation, these indications may be different in your region

Specification

All Popular Systems Available

| System | Specification(mm) | Package | DUO Multilayer | Explore Functional | Explore Esthetic | Explore Hybrid | TT White | TT Multilayer | TT-ONE White | TT-ONE Pre-shaded | TT-ONE Multilayer | HT White | ST White | ST Pre-shaded | ST Multilayer |
|--|----------------------------|-----------|----------------|--------------------|------------------|----------------|----------|---------------|--------------|-------------------|-------------------|----------|----------|---------------|---------------|
|  <p>Open CAD/CAM System</p> | 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 | • | | | • | | | | | | | | • | • |
|  <p>Compatible with Cerec in lab (Sirona) System</p> | 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 | | | | | | | | | | • | • | • | • |
|  <p>Compatible with Zirkonzahn® CAD/CAM System</p> | 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 | • | • | • | | • | • | • | • | • | • | • | • | • |

Duo Multilayer

Mastering Monolithic Style

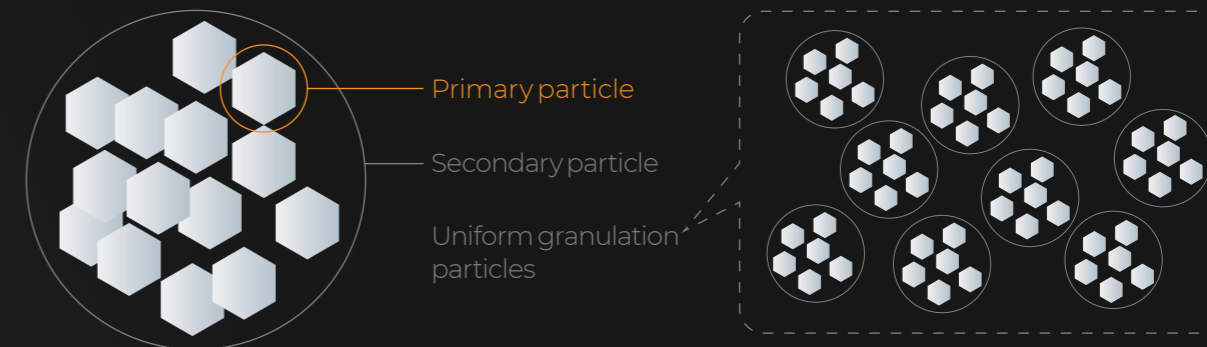
DUO embodies a holistic approach to dental restorative materials, seamlessly integrating strength, aesthetics, efficiency, and versatility. Its foundational principles resonate with the product's name, "DUO," symbolizing a steadfast commitment to excellence in contemporary restorative dentistry. With an impressive flexural strength of 850MPa to 1200MPa and translucency ranging from 45%-48%, DUO exemplifies the ideal fusion of durability and visual appeal. This allows dental professionals to create exquisite restorations that meet the highest standards of functionality and beauty, ensuring exceptional outcomes for patients.



UPD Technology Lays the Foundation of High Quality

SINOCERA Uniform Particle Dispersion (UPD) Technology is the key to the uniform dispersion of powders and controlled defects. The state-of-the-art zirconia powder produced by this technology innovatively collaborates with UPCERA's advanced blank manufacturing processes, contributing to the high-quality DUO.

Excellent Consistency and Stability

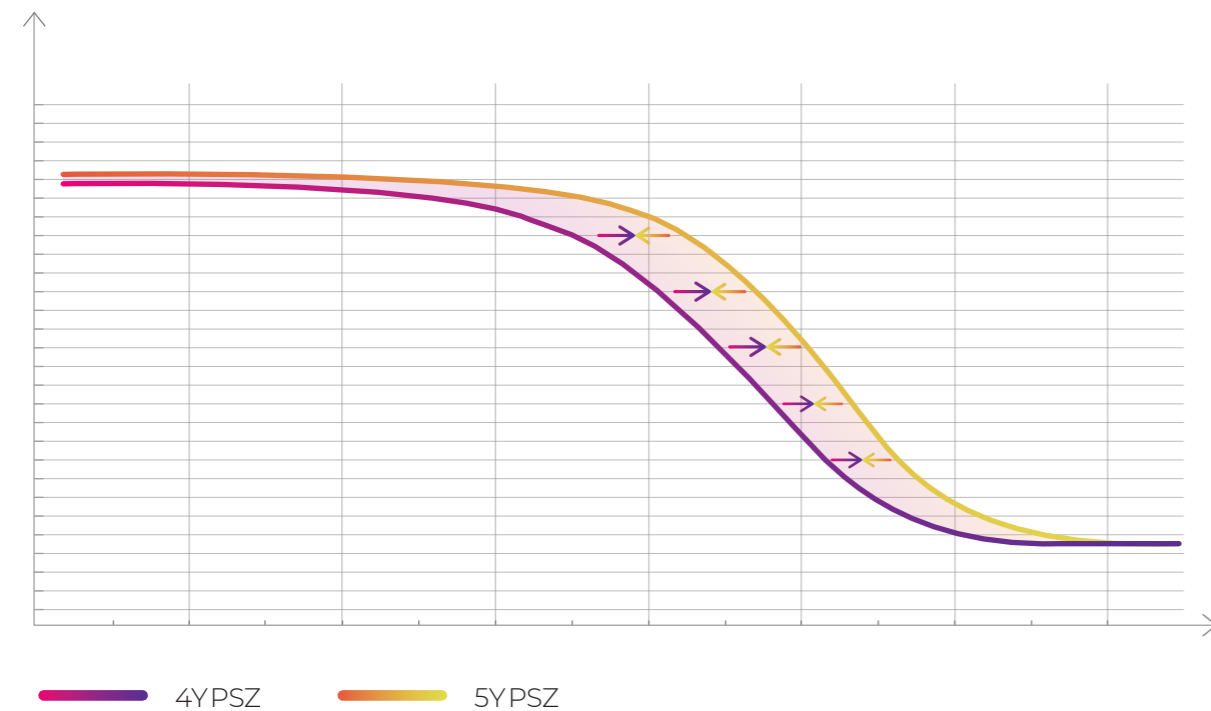


Balance of Strength and Aesthetics

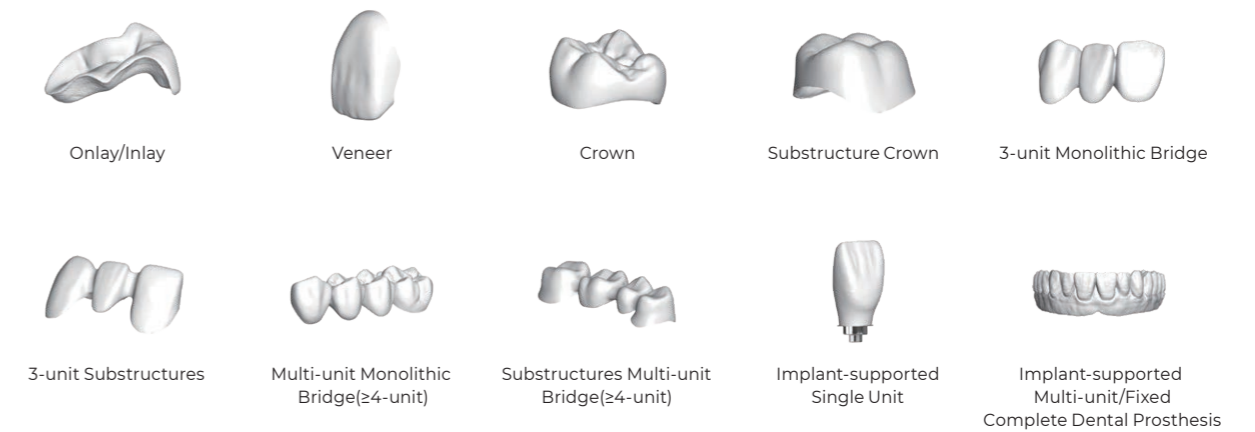


Reduced Deformation and Enhanced Fitting Accuracy

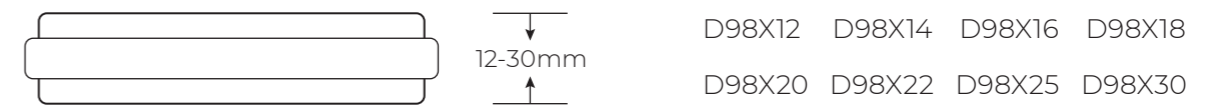
The new powder technology adjusts the sintering activity of 4Y and 5Y particles, ensuring consistent sintering results and reducing deformation.



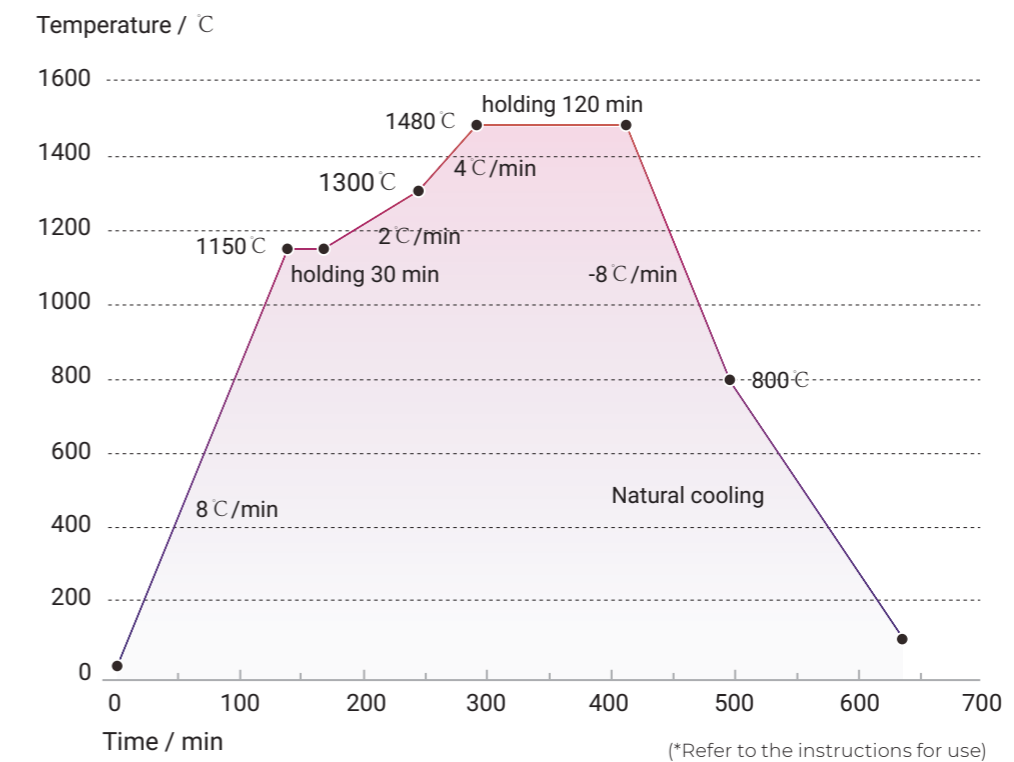
Versatility in Application and Adaptability



Specifications



Sintering Curve

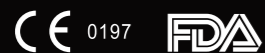


*Sintering temperatures are recommendations. If necessary, carry out a trial sintering cycle and adapt the sintering temperatures or times as needed.

Explore Series

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

The Upcera Explore Series is an innovative zirconia that strikes the perfect balance between strength and translucency. Designed to create natural-looking restorations in less time, the Explore line simplifies your workflow and enhances the profitability of your laboratory. Give Explore a try and experience the difference.

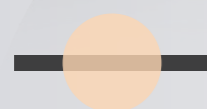
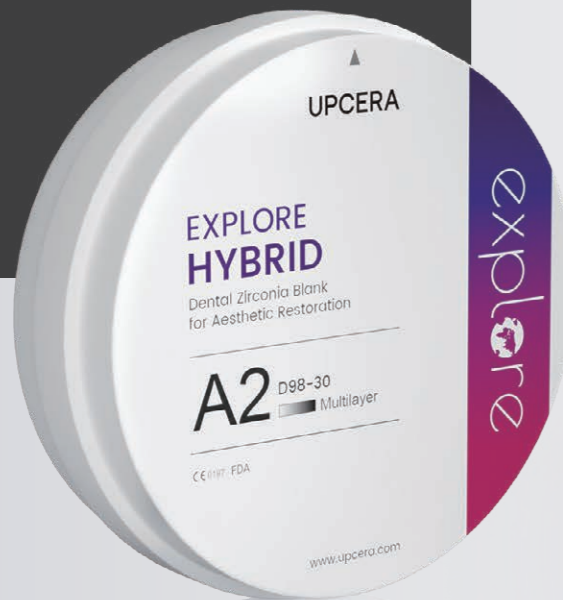


| Physical Characteristics | Explore Hybrid | Explore Functional | Explore Esthetic |
|-------------------------------------|--|--|--|
| Density after sintering | ≥6.0g/cm ³ | ≥6.0g/cm ³ | ≥6.0g/cm ³ |
| CTE* (25-500°C) | (10.5±0.5) x10 ⁻⁶ K ⁻¹ | (10.5±0.5) x10 ⁻⁶ K ⁻¹ | (10.5±0.5) x10 ⁻⁶ K ⁻¹ |
| Chemical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

*Linear thermal expansion

Explore Hybrid

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



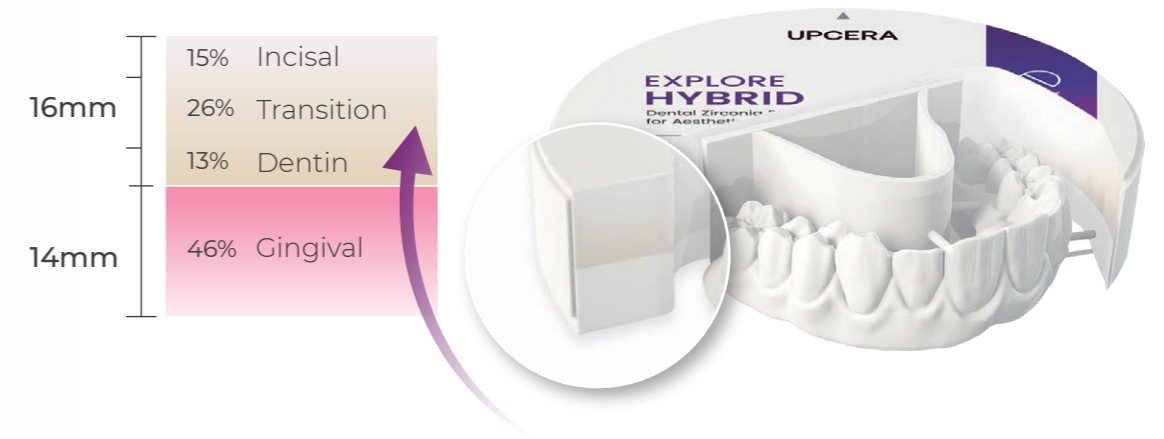
Strength
1027-1300 MPa



Translucency
43-46.6%

Optimum Indications

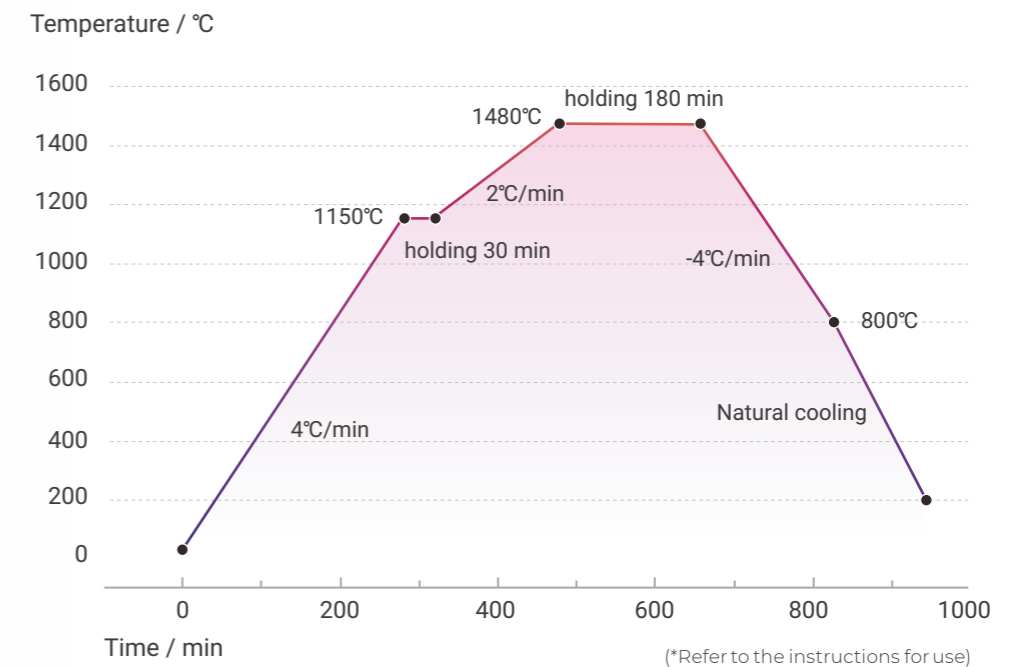
- Full-arch restorations



Shades



Sintering program



Explore Functional

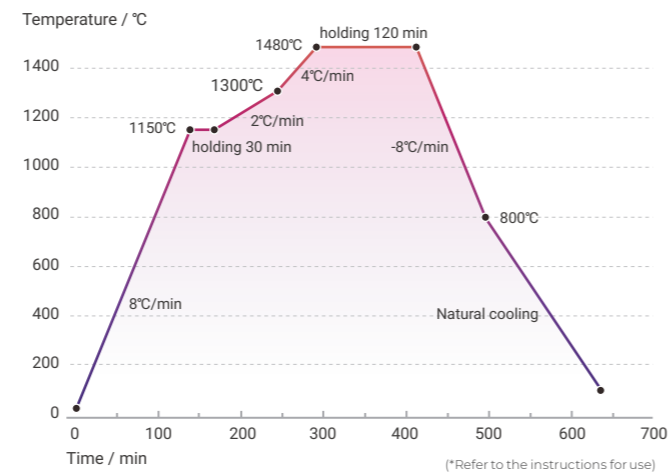
Our most popular zirconia, Explore Functional, delivers a seamless balance of chroma, translucency, and strength. Combining exceptional translucency with high strength, Explore Functional is user-friendly and an excellent choice for a wide range of indications.



Shades



Sintering program



Explore Esthetic

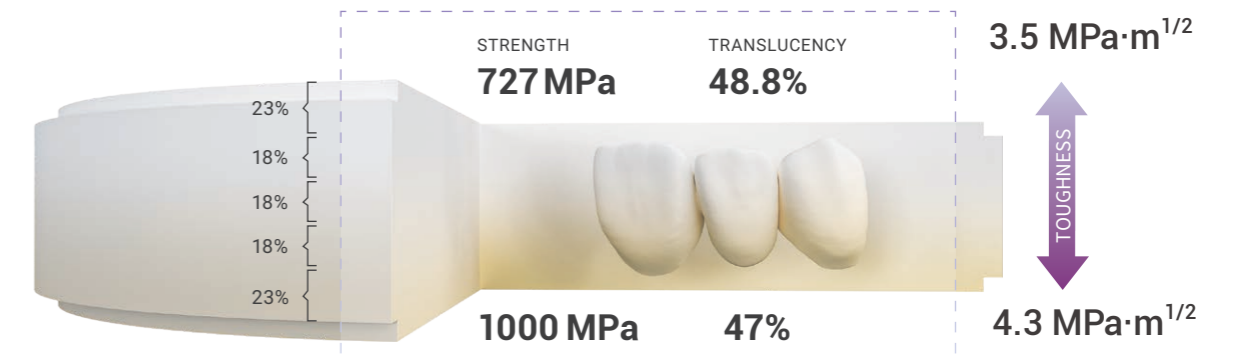
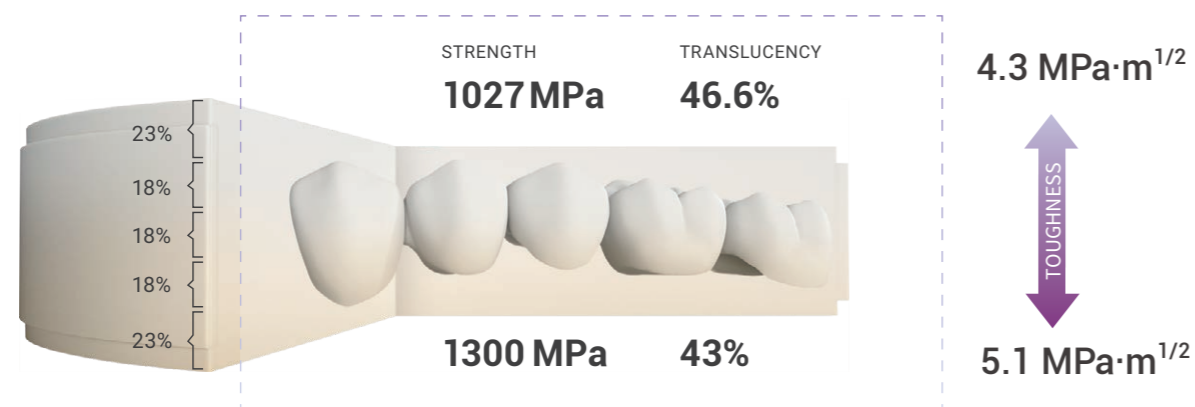
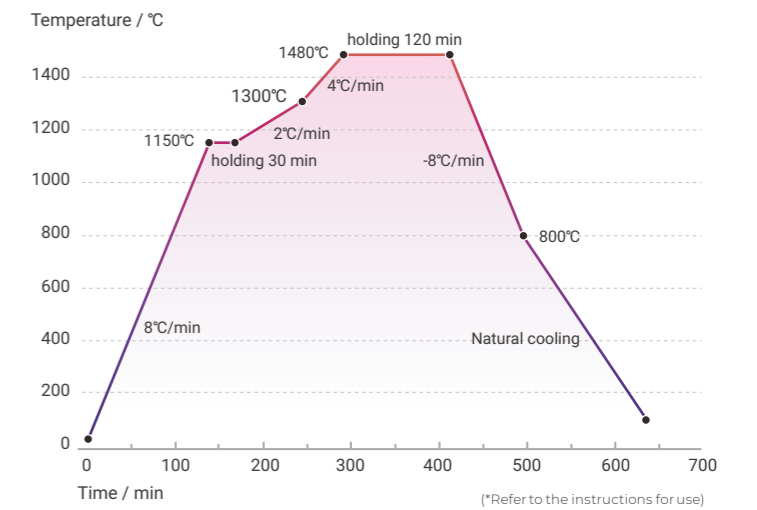
Explore Esthetic provides exceptional translucency, making it suitable for anterior restorations with higher aesthetic requirements. This multilayer zirconia has a seamless gradient strength, translucency, and chroma.



Shades



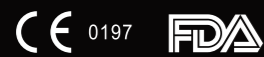
Sintering program



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



Translucency
39%

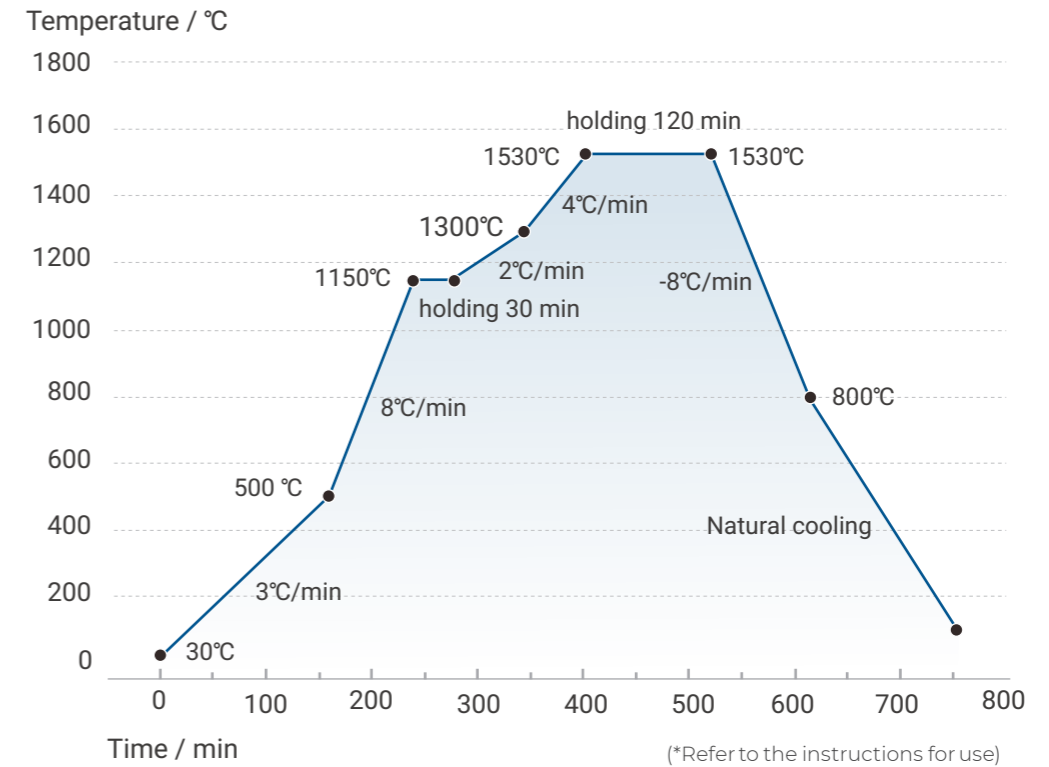
Strength
1300 MPa

System



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

Sintering program



Physical Characteristics

| | |
|-------------------------------------|--|
| Density after sintering | >6.02g/cm ³ |
| CTE* (25-500°C) | (10.5±0.5) x10 ⁻⁶ K ⁻¹ |
| Chemical solubility after sintering | <100µg/cm ² |
| Radioactivity | ≤1.0Bq/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% |

*Linear thermal expansion



ST Series

- ▶ STWHITE
- ▶ STPRE-SHADED
- ▶ STMULTILAYER

Upcera ST is one of the most classic lines of pre-shaded zirconia, offering versatility and reliability. Today, it comes in three options: white, mono-shade, and multilayer, giving you flexibility for various applications. With an impressive flexural strength of 1300 MPa, Upcera ST is a true "general-purpose" product, perfect for a wide range of needs.

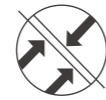


| Physical Characteristics | ST White | ST Pre-shaded | ST Multilayer |
|--|--|--|--|
| Density after sintering | >6.02 g/cm ³ | >6.02 g/cm ³ | >6.02 g/cm ³ |
| CTE* (25-500°C) | (10.5±0.5) x10 ⁻⁶ K ⁻¹ | (10.5±0.5) x10 ⁻⁶ K ⁻¹ | (10.5±0.5) x10 ⁻⁶ K ⁻¹ |
| Chemical solubility after sintering | <100 µg/cm ² | <100 µg/cm ² | <100 µg/cm ² |
| Radioactivity | ≤1.0 Bq/g | ≤1.0 Bq/g | ≤1.0 Bq/g |
| Sintering temperature | 1530°C | 1530°C | 1530°C |
| Chemical Composition | | | |
| Fe ₂ O ₃ | | <0.3% | <0.3% |
| Er ₂ O ₃ | - | <1% | <1% |
| ZrO ₂ + HfO ₂ +Y ₂ O ₃ | ≥99% | ≥99% | ≥99% |
| Y ₂ O ₃ | 4.5%-6% | 4.5%-5.5% | 4.5%-5.5% |
| Al ₂ O ₃ | ≤0.5% | <0.5% | <0.5% |
| Other oxides | ≤0.5% | <0.5% | <0.5% |

*Linear thermal expansion

ST White

ST White zirconia allows for individual infiltration and staining techniques, enabling the creation of highly aesthetic restorations. It is versatile and suitable for a wide range of applications.

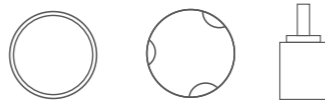


Strength
1300 MPa



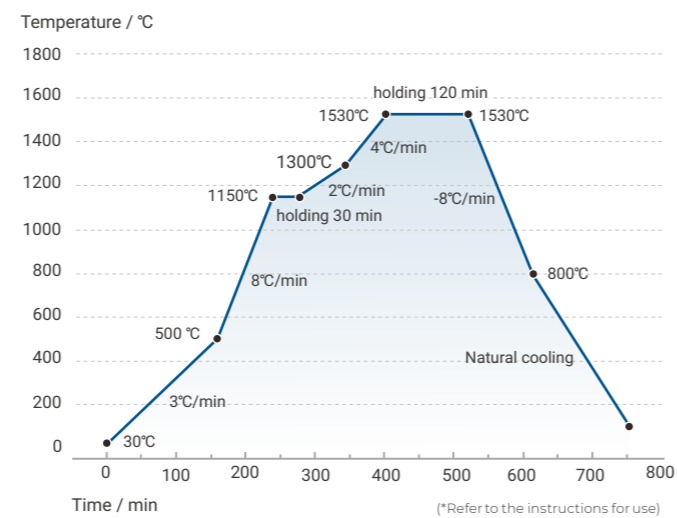
Translucency
43%

System



Open CAD/CAM System,
Compatible with ZirKonzahn® CAD/CAM System,
Compatible with Cerec in lab (Sirona) System

Sintering program

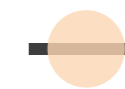


ST Pre-shaded

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.

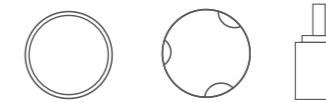


Strength
1300 MPa



Translucency
43%

System



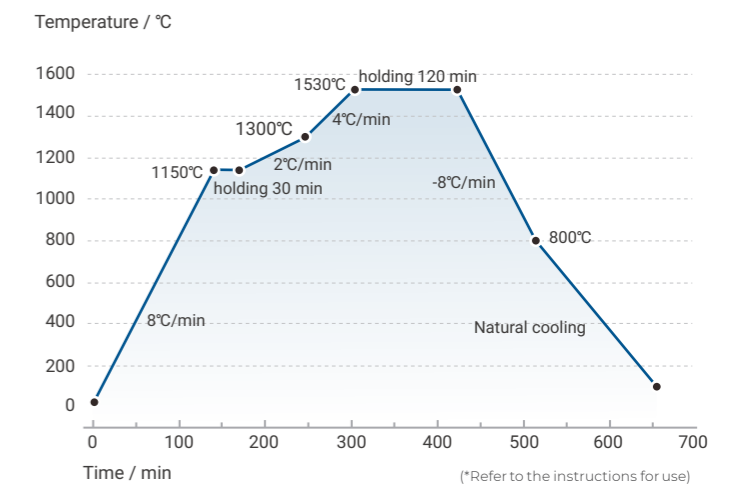
Open CAD/CAM System,
Compatible with ZirKonzahn® CAD/CAM System,
Compatible with Cerec in lab (Sirona) System



Shades



Sintering program

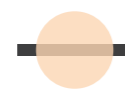


ST Multilayer

This pre-shaded multilayer zirconia provides consistent chroma and excellent machinability, making ST-ML an ideal choice for full-contour bridge restorations.



Strength
1300 MPa



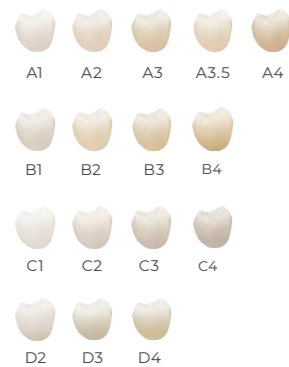
Translucency
43%

System

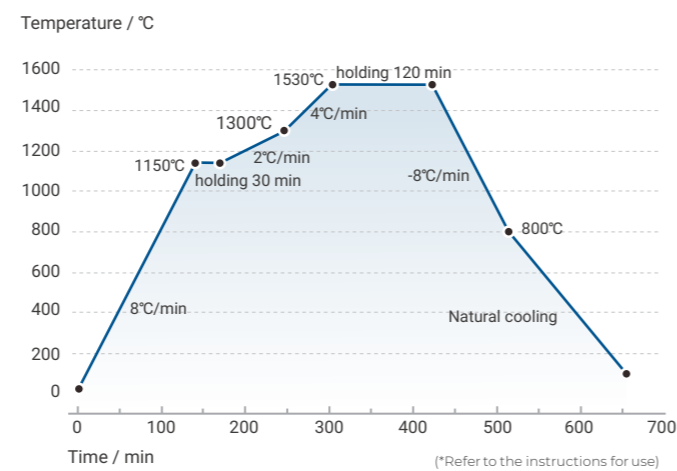


Open CAD/CAM System,
Compatible with Zirkonzahn® CAD/CAM System

Shades



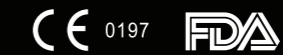
Sintering program



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.





TT-ONE White

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

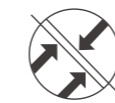


| Physical Characteristics | TT-ONE White | TT-ONE Pre-shaded | TT-ONE Multilayer |
|-------------------------------------|--|--|--|
| Density after sintering | >6.0 g/cm ³ | >6.0 g/cm ³ | >6.0 g/cm ³ |
| CTE* (25-500°C) | (10.5±0.5) x10 ⁻⁶ K ⁻¹ | (10.5±0.5) x10 ⁻⁶ K ⁻¹ | (10.5±0.5) x10 ⁻⁶ K ⁻¹ |
| Chemical solubility after sintering | <100 µg/cm ² | <100 µg/cm ² | <100 µg/cm ² |
| Radioactivity | ≤1.0 Bq/g | ≤1.0 Bq/g | ≤1.0 Bq/g |
| Sintering temperature | 1480 °C | 1480 °C | 1450 °C |

Chemical Composition

| | | | |
|-------------------------------------|-------------|-------------|-------------|
| ZrO ₂ + HfO ₂ | 86.3%-94.2% | 86.3%-94.2% | 86.3%-94.2% |
| Y ₂ O ₃ | 5.8%-9.7% | 5.8%-9.7% | 5.8%-9.7% |
| Al ₂ O ₃ | <0.5% | <0.5% | <0.5% |
| Fe ₂ O ₃ | - | <0.5% | <0.5% |
| Er ₂ O ₃ | - | <2.0% | <2.0% |
| Other oxides | <0.5% | <0.5% | <0.5% |

*Linear thermal expansion



Strength
1000 MPa



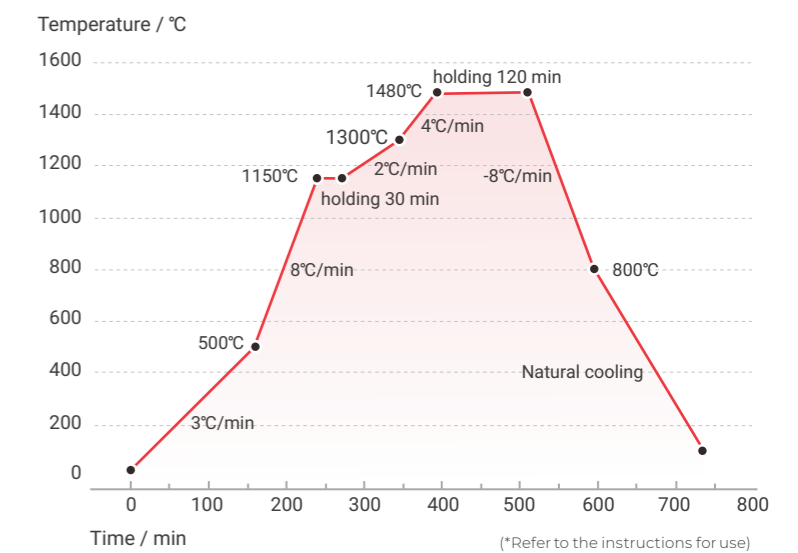
Translucency
47%

System Available



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

Sintering program

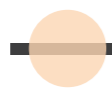


TT-ONE Pre-shaded

This pre-shaded zirconia is available in 16 classical shades and 2 bleach shades. It is user-friendly, providing excellent stability and efficiency.

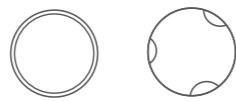


Strength
1000 MPa



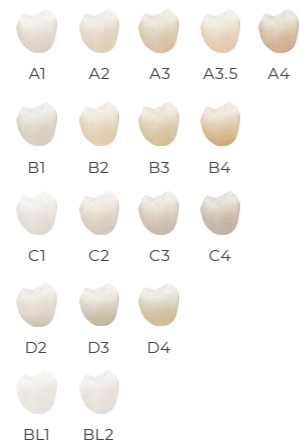
Translucency
47%

System

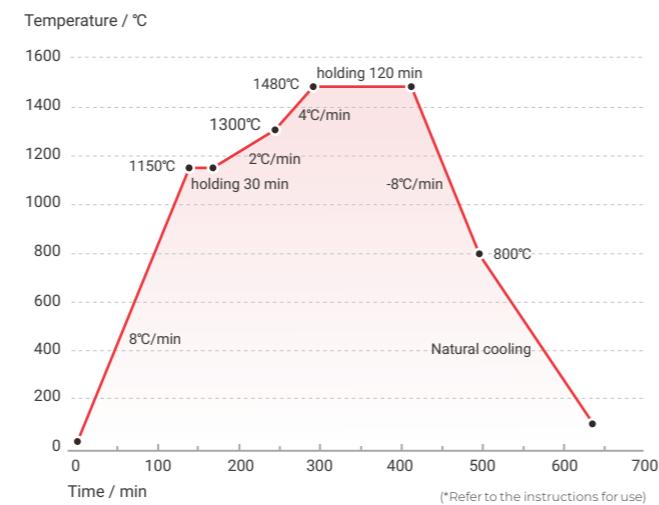


Open CAD/CAM System,
Compatible with Zirkonzahn® CAD/CAM System

Shades



Sintering program



TT-ONE Multilayer

This multilayer zirconia offers high strength and excellent aesthetic effects with no lines and is available in 16 classical shades and 2 bleach shades.

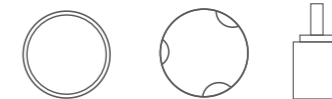


Strength
1000 MPa



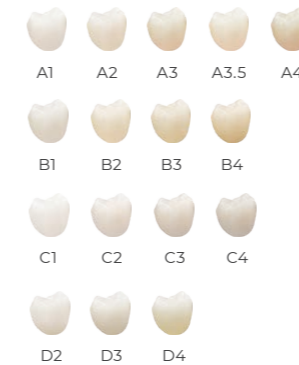
Translucency
47%

System

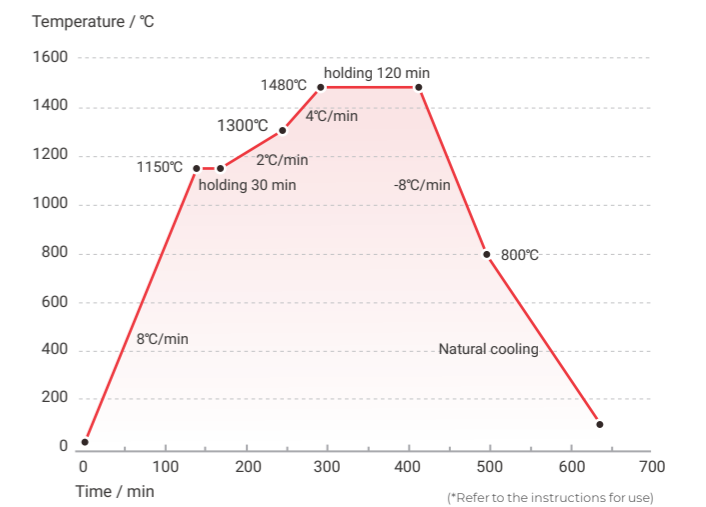


Open CAD/CAM System,
Compatible with Zirkonzahn® CAD/CAM System,
Compatible with Cerec in lab (Sirona) System

Shades



Sintering program

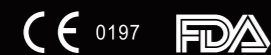




TT Series

- ▶ TT WHITE
- ▶ TT MULTILAYER

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



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

*Linear thermal expansion

TT White

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



Strength
600 MPa



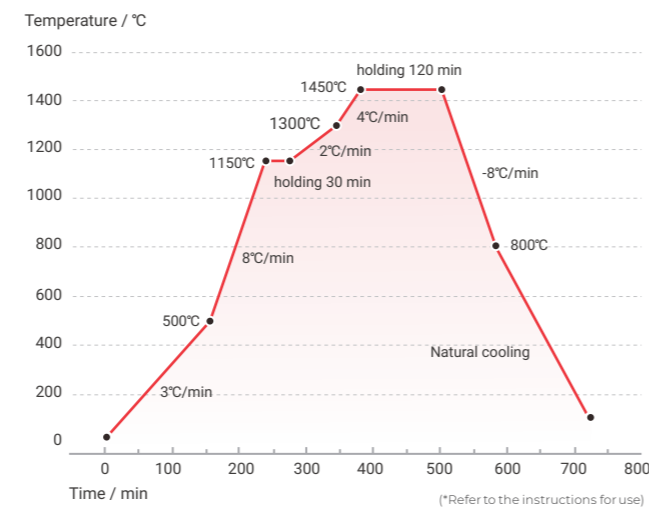
Translucency
49%

System



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

Sintering program

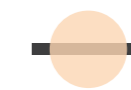


TT Multilayer

TT Multilayer zirconia features a seamless chroma gradient and superior translucency. Available in 16 classical shades, it delivers excellent aesthetics without the need to add porcelain.



Strength
600 MPa



Translucency
49%

System

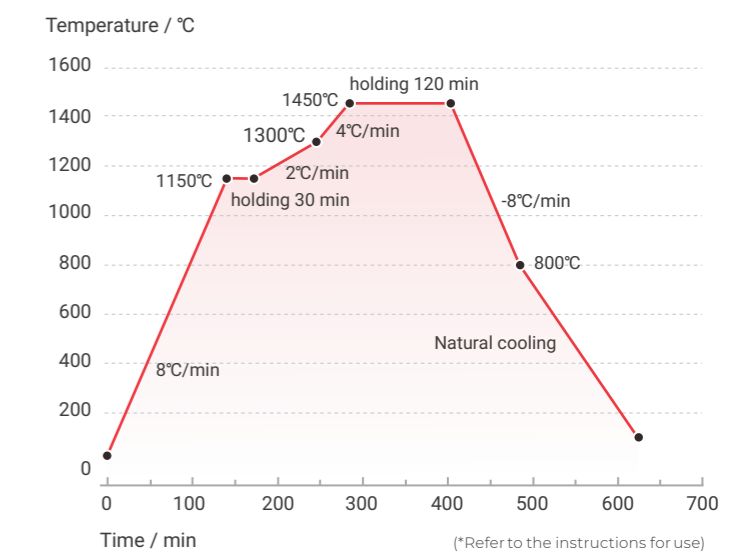


Open CAD/CAM System,
Compatible with Zirkonzahn® CAD/CAM System

Shades

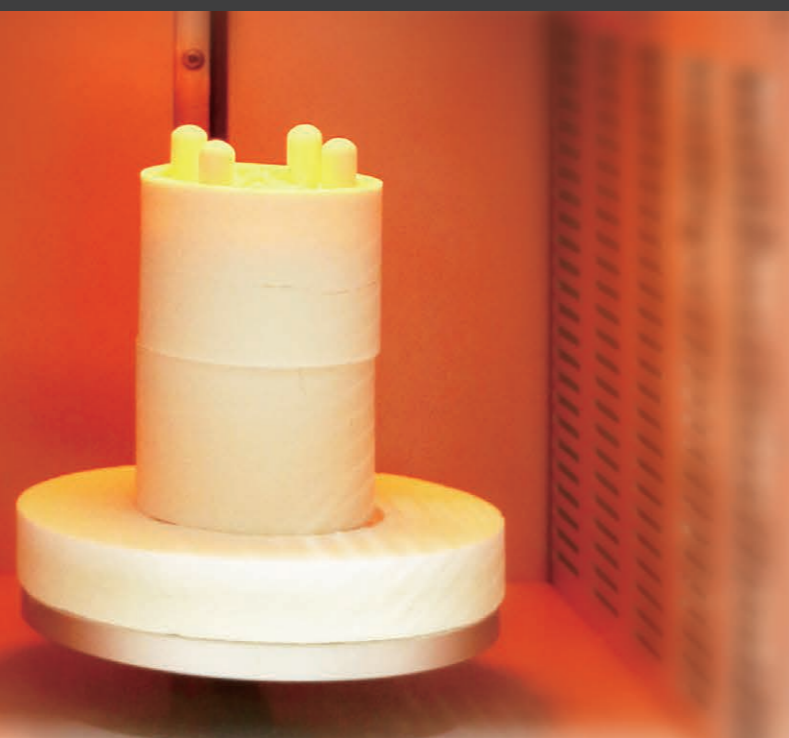


Sintering program



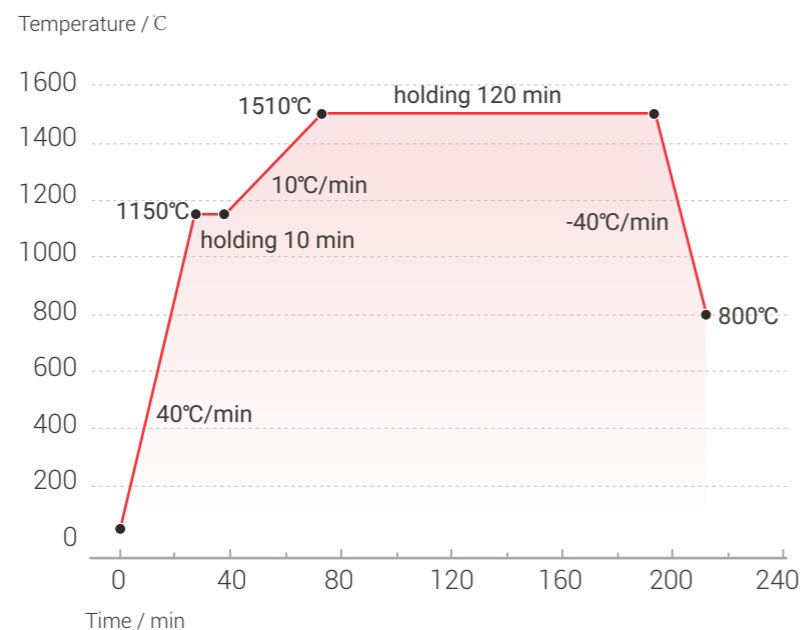
Fast Sintering Program

Max. 3 units bridges with no more than 1 pontic



4h Fast Sintering Program

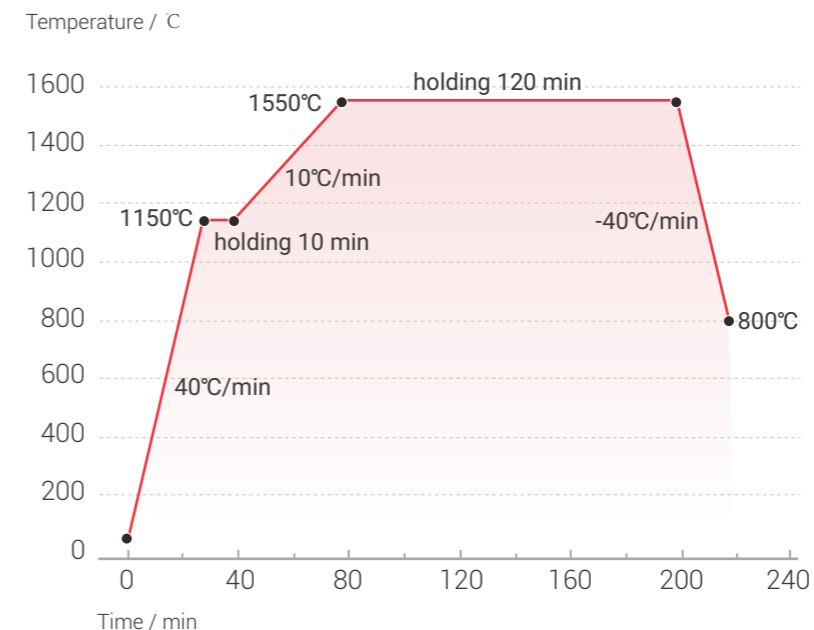
TT-One Preshaded, TT-One Multilayer, Explore Functional



*Sintering temperatures are recommendations. If necessary, carry out a trial sintering cycle and adapt the sintering temperatures or times as needed. Select a proper high-temperature sintering furnace to sinter the restorations. Please also refer to the operating instructions of the respective sintering furnace.

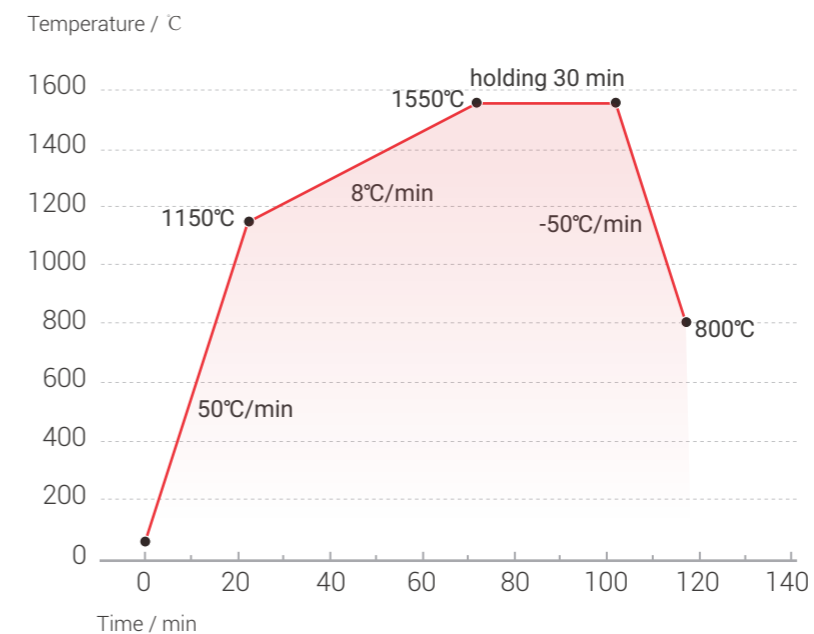
4h Fast Sintering Program

ST Pre-shaded, ST Multilayer



2h Fast Sintering Program

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



Hyramic

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

Strength **≥180 MPa**

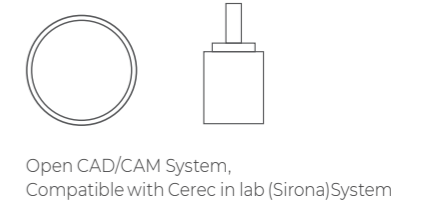


| | | |
|----------------------|---------------------|-----------------------|
| Chemical Composition | Resin polymers | 17%-23% |
| | Inorganic filler | 77%-83% |
| | Additive | <1% |
| | Colorant | <1% |
| Technical Parameters | Water absorption | ≤25µg/cm ³ |
| | Solubility in water | ≤2µg/cm ³ |

Indications

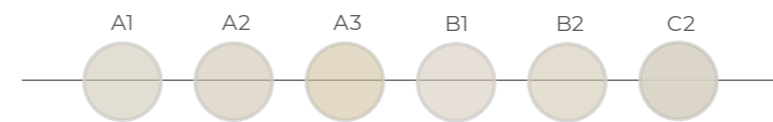


System

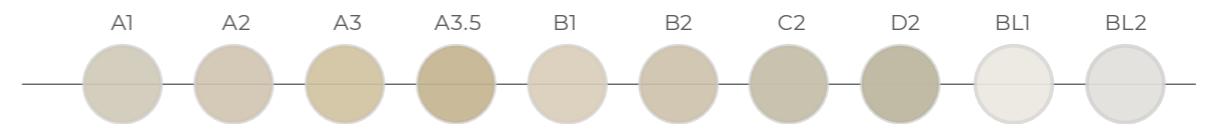


Available for Single & Multilayer Shades

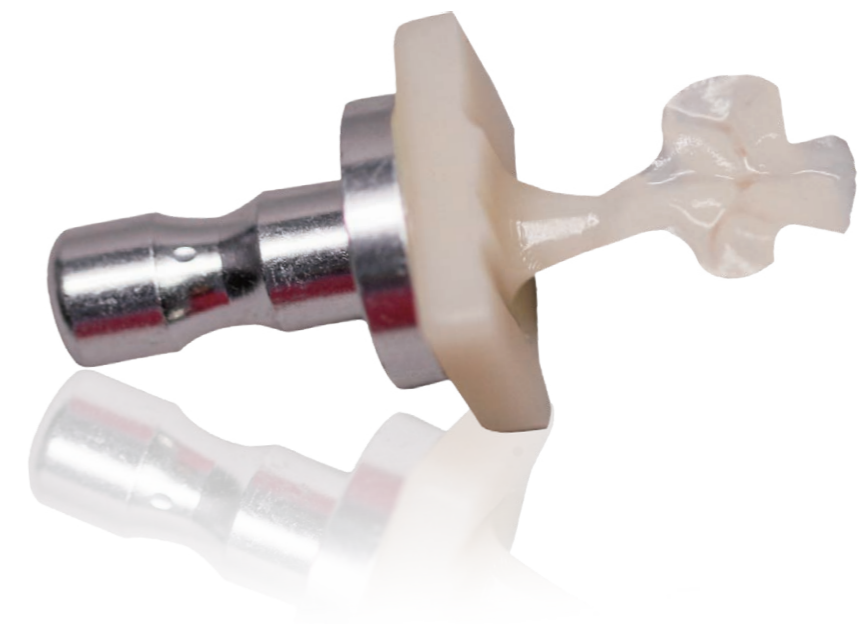
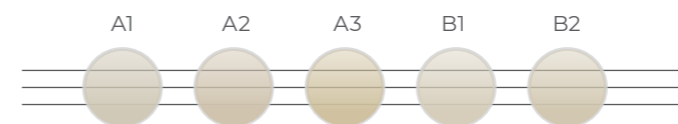
HT 18-14-12



LT 18-14-12



ML 18-14-12



DENTAL CONSUMABLES



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 |

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

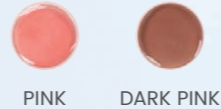
- Zirconia and Lithium Disilicate



BASIC



GINGIVAL



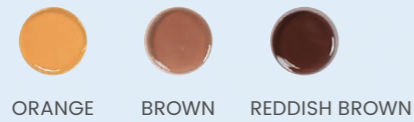
INCISAL



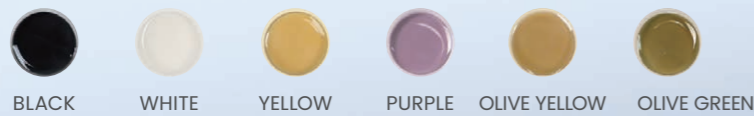
GLAZE



FOSSA



EFFECT



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 unit 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 unit 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 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°C 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.

Artouch

The Artouch System offers color and shade stain pastes for precise 2D color customization allowing natural tooth characteristics to be quick, accurate, and easy to preview while still wet. Its Structure Pastes add 3D anatomical details with lifelike translucency, fluorescence, and opalescence, while enabling easy corrections and gingival tissue creation. These ready to use porcelain pastes bring a new level of convenience and beauty to dental ceramics. With Artouch, technicians can create high quality restorations that look natural and consistently satisfy patients.



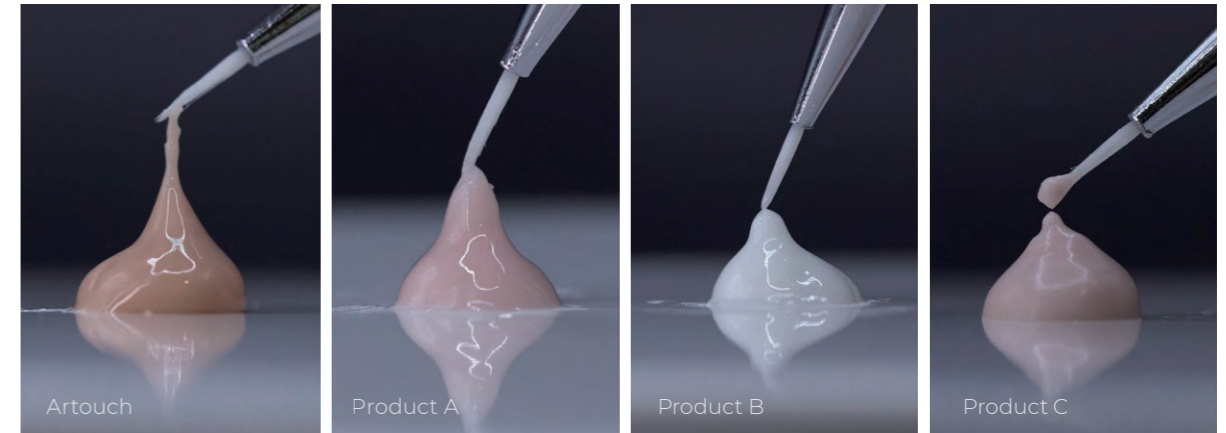
0.1-0.2 mm

Lowest shrinkage ensures less deformation. Achieve "Pink and white" esthetics in only 0.1-0.2 mm with Artouch Shade & Structure.

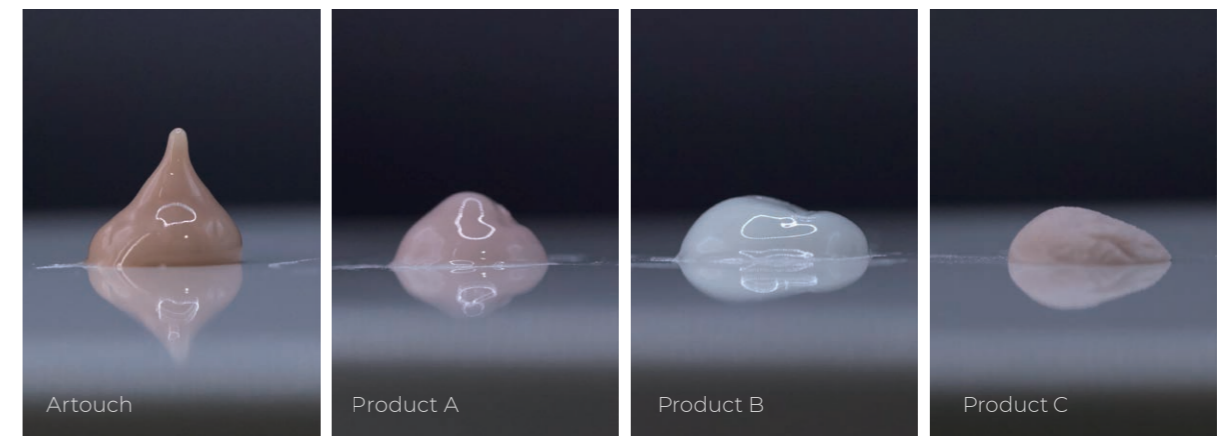
Excellent consistency and stability

Perfect consistency and optimized particle size distribution guarantee excellent shaping possibilities and stability.

After mixing

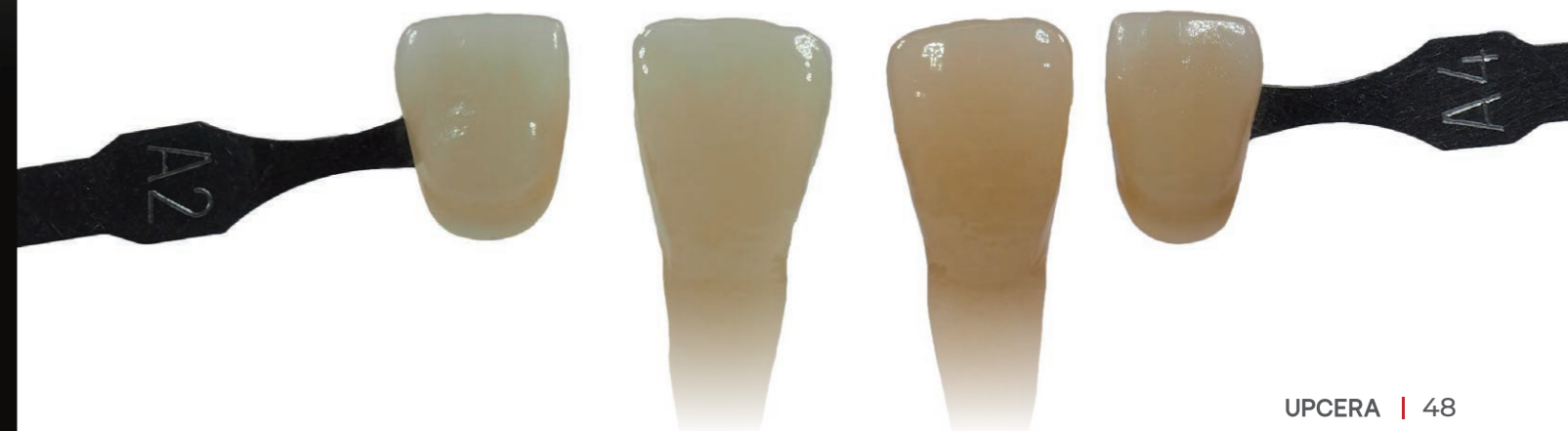


30 mins later



Color Shift Made Easy

With Artouch, a brighter color shift is achievable if the blank's initial shade is too dark. Conversely, a darker color shift can be achieved if the blank's shade is too light.



Artouch Master Kit ForTeeth

Specially developed for fully anatomical all-ceramic restorations and for restorations with minimum cut-back.

■ Structure Paste



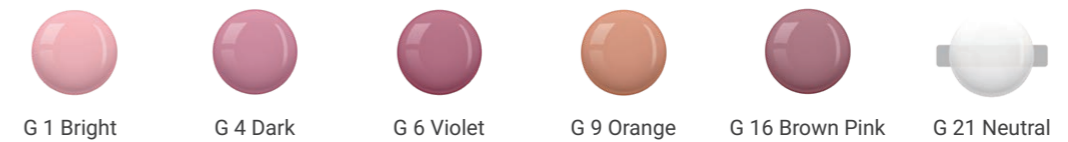
■ Stain & Glaze Paste



Artouch Master Kit ForGum

Specially developed for the aesthetic finalization and characterization of the gingiva-colored parts of all ceramic restorations.

■ Structure Paste



■ Stain & Glaze Paste



■ Structure Paste (4g/pc, Structure Liquid 25ml/pc)

D A2 | SM Sunny Beach | M Cream | T Blue | Opal | I 2 | Clear | G 1 Bright | G 4 Dark | G 6 Violet | G 9 Orange | G 16 Brown Pink | G 21 Neutral

■ Stain & Glaze Paste (4g/pc, Glaze Liquid 25ml/pc)

Shade A Flu. | Shade B Flu. | Shade C Flu. | Shade D Flu. | White Flu. | Vanilla Flu. | Yellow Flu. | Smoke Flu. | Blue Flu. | Dark Brown Flu. | Grey Flu. | Pigeon Blue Flu. | Intensive Red | Glaze Paste | Glaze Paste Flu. | Red | Brown Flu. | Red Brown Intensive | Orange Intensive Flu. | Purple Paste | Rose Paste | Rose Pink | Red Bright



Chemical Composition

| | |
|--|---|
| structure major glass ceramic constituents | SiO ₂ Al ₂ O ₃ K ₂ O Na ₂ O Li ₂ O SrO B ₂ O ₃ CeO ₂ ZnO |
| Shades & stains mayor glass ceramic constituents | SiO ₂ Al ₂ O ₃ K ₂ O Na ₂ O Li ₂ O CaO SrO B ₂ O ₃ ZnO F |
| Mayor paste gel constituents | 1,3-Butandiol, water |

Technical Data

Artouch Shades & Stains and Artouch Structure comply to all applicable standards for dental porcelains (DIN EN ISO 6872, DIN EN 15010993-5). All limits are undercut and thresholds are outperformed.

| Artouch Structure <small>physical-chemical properties acc. to DIN EN ISO 6872/DIN EN ISO 10993-5</small> | | | Artouch shades & stains <small>physical-chemical properties acc. to DIN EN ISO 6872/DIN EN ISO 10993-5</small> | | |
|---|----------------------|----------------------|---|------------------------|------------------------|
| Property | Specification | Measured data | Property | Specification | Measured data |
| Coefficient of thermal expansion (25-475°C)[-10 ⁻⁶ K ⁻¹ ±0.5] | 2 X: 9.5 4 X: 9.5 | 2 X: 9.5 4 X: 9.6 | Coefficient of thermal expansion (25-475°C)[-10 ⁻⁶ K ⁻¹ ±0.5] | 2 X: 10.0 4 X: 10.0 | 2 X: 9.8* 4 X: 9.5* |
| Transformation temperature Tg (°C± 20) | 2 X: 495 4 X: 495 | 2 X: 495 4 X: 496 | Transformation temperature Tg (°C± 20) | 2 X: 460 4 X: 460 | 2 X: 455* 4 X: 455* |
| Bending strength (MPa) | ≥50 | 145-150 | Bending strength (MPa) | ≥50 | >130* |
| Solubility (µg/cm ²) | <100 | 19-35 | Solubility (µg/cm ²) | <100 | Complies* |
| Radioactivity (Bq.g ⁻¹ U ²³⁸) | <1 | Complies* | Cytotoxicity | No Cytotoxicity | Complies** |
| Cytotoxicity | No Cytotoxicity | Complies** | Radioactivity (Bq.g ⁻¹ U ²³⁸) | <1 | Complies*** |

*) covered by report 170231-20-A,17-02-01,mds, D-Gilching

***) covered by analysis report 17-10238,17-01-20, FZ Jülich, D-jülich

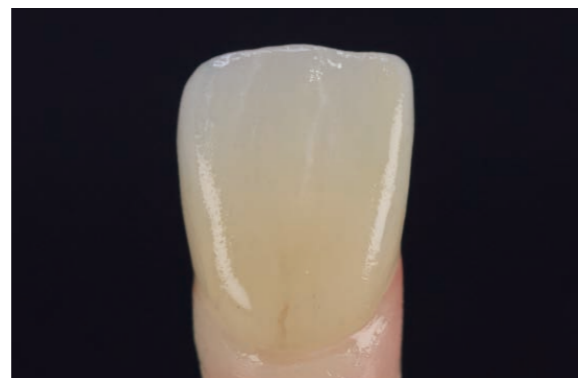
*) data for base material

***) covered by report 170231-20-C,17-02-01,mds, D-Gilching

***) analysis report 17-10237,17-01-20, FZ Jülich, D-jülich

Firing

After applying the stain/structure/glaze pastes, put the restoration on a appropriate firing tray and a firing cycle must be conducted in a proper dental firing furnace. Make sure to following the manufacturer's instructions.



Please use the suggested furnace cycle/program as shown below:

Stain

| Start Temperature (°C) | Closing Time (Min) | Vacuum Start (°C) | Heating Rate (K/min) | Final Temperature (°C) | (Without Vacuum) Holding Time (Min) |
|------------------------|--------------------|-------------------|----------------------|------------------------|-------------------------------------|
| 400 | 4 | --- | 45 | 710 | 1 |

Note: Depending on the degree of gloss, the final temperature can be increased by 10 - 20 °C during glaze firing!

Please note: For voluminous work, open the oven with an opening time of 2 minutes!

Structure

| Firing Parameters | Monolithic Zirconia | Zirconia Applied With Layering Ceramic |
|-------------------------------------|---------------------|--|
| Start Temperature (°C) | 400 | 400 |
| Dry- On Time (Min) | 3 | 3 |
| Closing Time (Min) | 4 | 4 |
| Heating Rate (K/min) | 45 | 45 |
| Vacuum Start (°C) | 670 | 670 |
| (Vacuum End) Final Temperature (°C) | 770 | 770 |
| (Without Vacuum) Holding Time (Min) | 1 | 1 |

| Firing parameters | lithium disilicate monolithic | lithium disilicate applied with layering ceramic | layering ceramic |
|-------------------------------------|-------------------------------|--|------------------|
| Start Temperature (°C) | 400 | 400 | 400 |
| Dry- On Time (Min) | 3 | 3 | 3 |
| Closing Time (Min) | 4 | 4 | 4 |
| Heating Rate (K/Min) | 45 | 45 | 45 |
| Vacuum Start (°C) | 670 | 670 | 670 |
| (Vacuum End) Final Temperature (°C) | 720 | 720 | 720 |
| (Without Vacuum) Holding Time (Min) | 2 | 2 | 2 |

Please note: For voluminous work, open the oven with an opening time of 2 minutes!

Note: With multiple fires, the final temperature can be reduced by 10 - 20 °C depending on the degree of gloss! Depending on the degree of gloss, the final temperature can be increased by 10 - 20 °C during glaze firing!



PMMA

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



Technical Parameters

| | |
|------------------------|------------------------|
| Flexural strength | ≥50 MPa |
| Water absorption value | ≤40μg/mm ³ |
| Dissolved value | ≤7.5μg/mm ³ |

Specifications

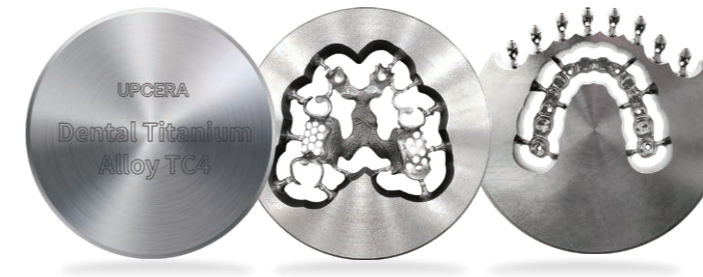
| | | |
|-----------------------------|----------------|---|
| Temporary Restoration | S (Monochrome) | A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 A0 BL1 BL2 BL3 |
| | M (Multilayer) | A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4 A0 BL1 BL2 BL3 |
| Denture Base Resin Material | | V-Pink A,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

(Dental) Titanium Alloy

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



- Made from grade 5 titanium alloy TiAl6V4.
- Exceptional gold-ceramic bonding properties.
- Extremely corrosion resistant.
- Excellent biocompatibility.
- Particularly patient friendly due to low thermal conductivity.
- Perfectly suitable for implant-supported restorations, superstructures, bars, abutments, crowns and bridges.



Indications



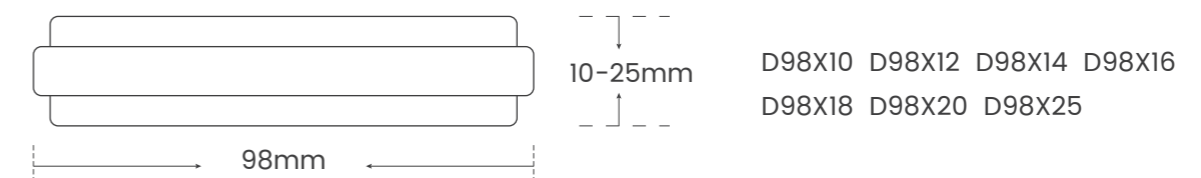
Chemical Composition

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

Technical Data

| | | | |
|--|----------------------|------------------------------|-------------------------------------|
| 0.2%, specified non proportional elongation strength Rp0.2/MPa | 860MPa | Max. firing temp. maximale | max. 950 °C |
| Young's modulus | 110GPa | Linear expansion coefficient | 10×10 ⁻⁶ K ⁻¹ |
| Elongation after fracture | 8% | Hardness | 295HV10 |
| Casting temperature | 1700°C | Tarnish resistance | Yes |
| Melting temperature | 1640-1670°C | Corrosion resistance | ≤200µg/cm ² |
| Density | 4.4g/cm ³ | Tensile strength | 885MPa |

Model



supraCXN Ceramic Etchant

5% Buffered Hydrofluoric Acid Gel

supraCXN Ceramic Etchant is a 5% buffered hydrofluoric acid gel used to prepare the inside surface of all ceramic restorations except oxide ceramics. It roughens the surface to increase surface area, which helps create a much stronger and more reliable bond.

• PRECISE

Thixotropic gel combined with a preferred injection system, which takes into account the coating and extrusion performance, allowing for precise etching of the surface that needs to be etched.

• NO RESIDUE

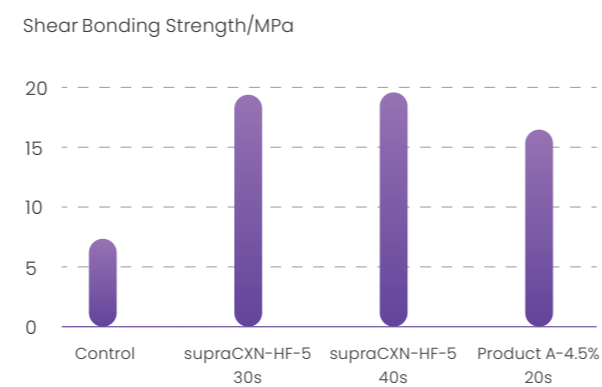
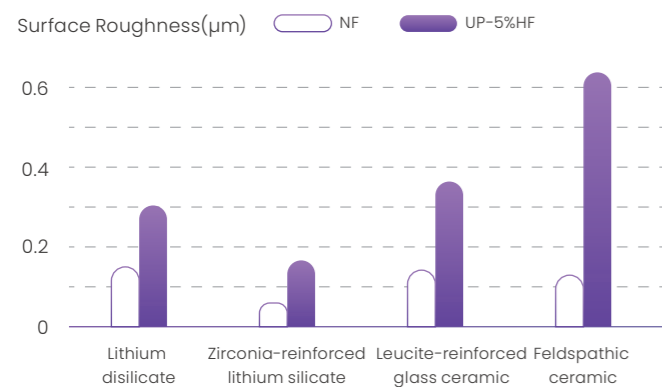
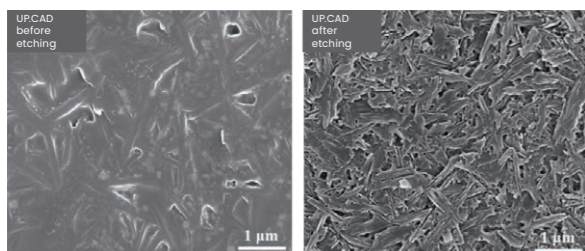
Utilizing a bio-adhesive matrix and highly water-soluble pigments, ensuring completely removable with just a rinse of water.

• SAFE

Utilizing a bio-adhesive matrix and highly water-soluble pigments ensures it is completely removable with just a rinse of water.

• RELIABLE

Designed for the surface roughening of glass ceramic and resin-based ceramic to achieve stable and reliable etching.



supraCXN Stick

The adhesive tip applicator

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

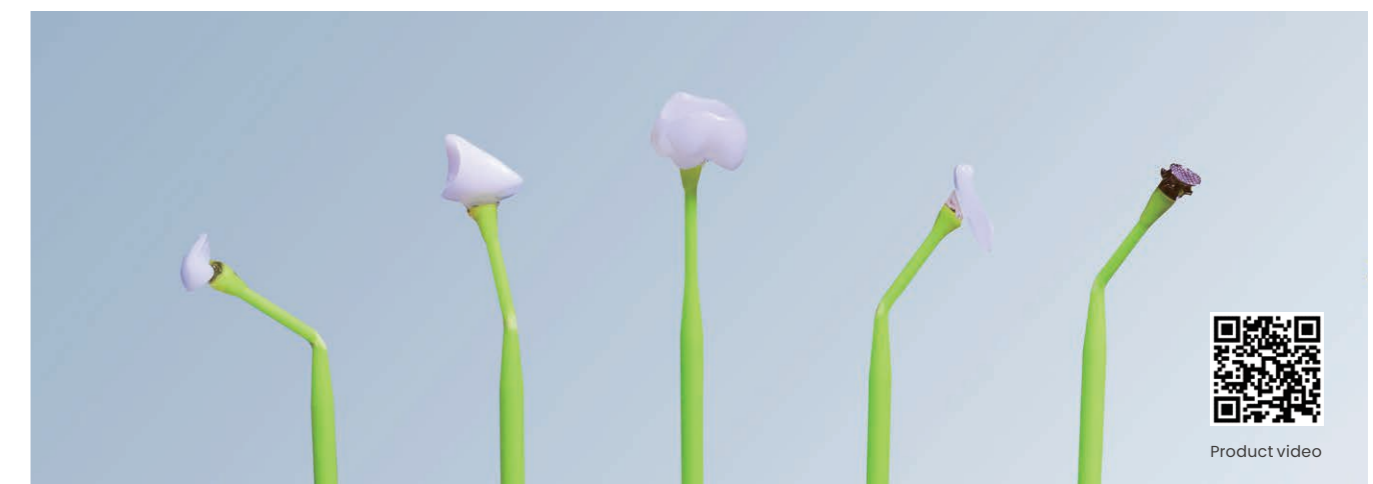


Packaging: 10 pcs/set, 2 sets/box

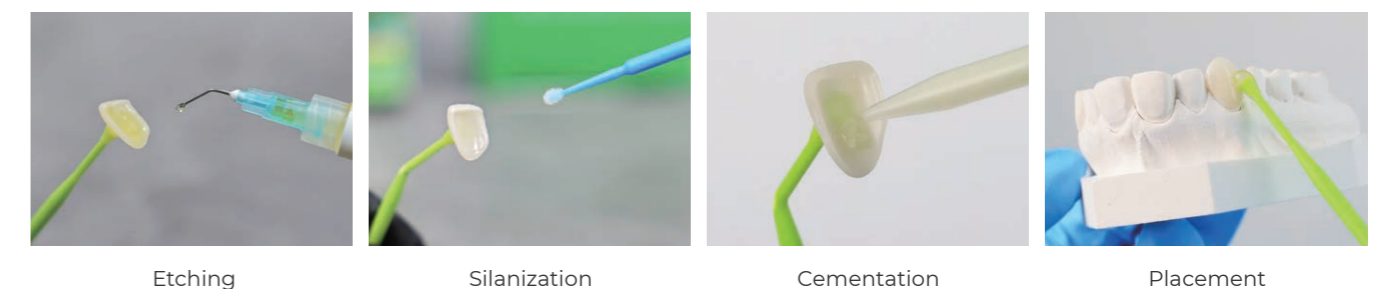
Usage

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

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



What can it be used for during the dental treatment?



supraCXN™ EsCem

Self-Adhesive Resin Cement



Shaded: A2/A3/TW

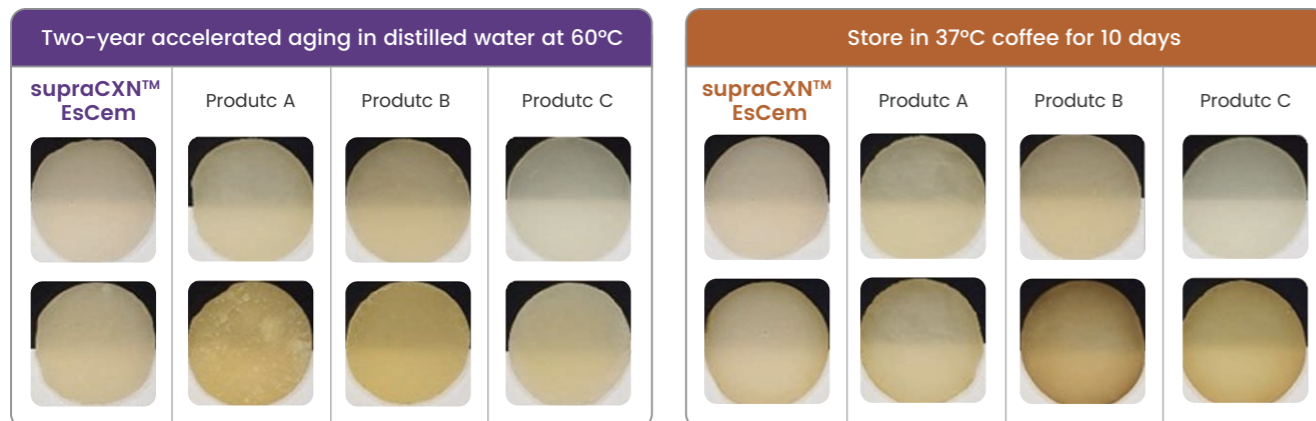
Contents: 8g × 1 syringe

Indications: Final cementation of ceramic or metal-based restorations

✓ Contains 10-MDP

✓ Outstanding color stability

Meets the demands of aesthetic restorations



✓ Easy to use

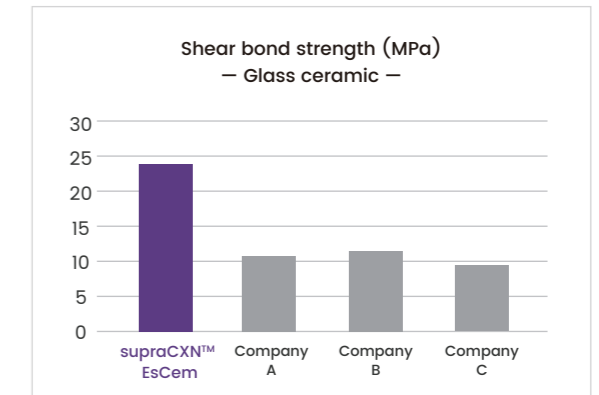
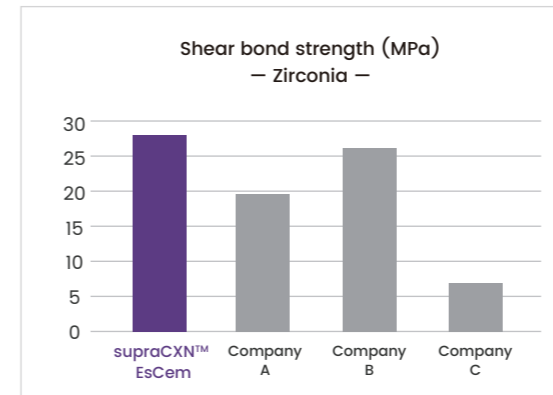
Self adhesive & dual cure & automix

✓ Easy to remove excess material

✓ One step cementation to minimize errors

No need of etching, priming or bonding

✓ Excellent adhesive strength



Cementation Guide for Zirconia restorations



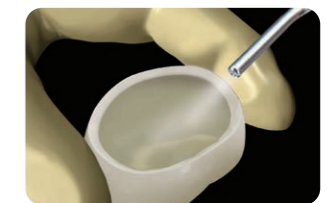
01 Clean, rinse and thoroughly dry the prepared tooth.



02 Prepare the restoration according to the manufacturer's instructions.



03 50µm Alumina Sand blast with 0.4 MPa Pressure.



04 Rinse and Dry.



05 Place the mixingtip and apply supraCXN™ EsCem directly into the restoration.



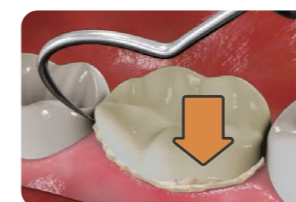
06 Seat immediately and maintain moderate pressure.



07-1 Tack cure 1 to 2 seconds using curing light to remove excess material.



07-2 Keep proper pressure until it reaches gel paste for 60 seconds.



08 Remove excess supraCXN™ EsCem while maintaining proper pressure.



09-1 Light cure each surface for 20 seconds (LED 1200mW/cm²).



09-2 Let the material set for 4 minutes in case the light didn't pass through the crown.

DFK Binocular Loupe

Ergonomic Design to
Guard Your Occupational Health

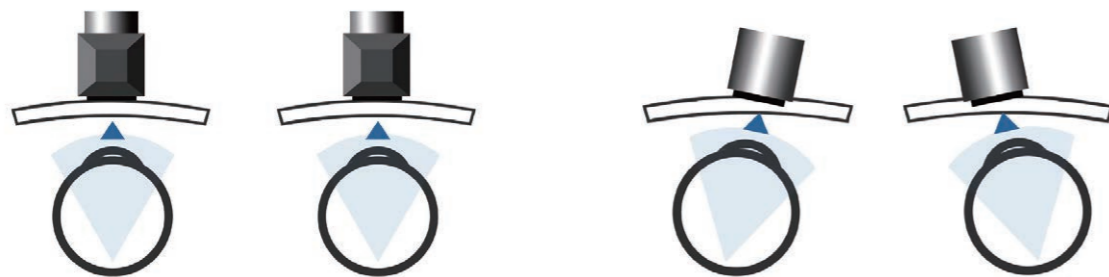


✓ Large field of view

With its prism lens group design and advanced optical system, the field of view is significantly wider than that of traditional surgical loupes.

✓ Parallel line of sight design

Parallel line of sight design to minimize eye fatigue caused by concentrated of sight and improve working efficiency.

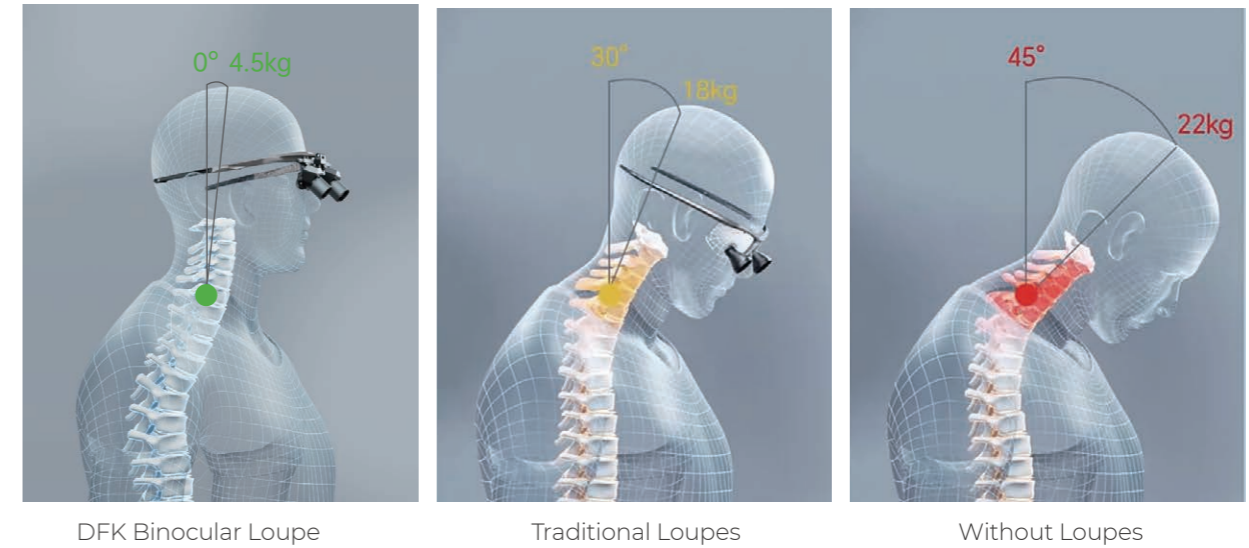


DFK Binocular Loupes with parallel sights

Traditional Loupes with angular sights

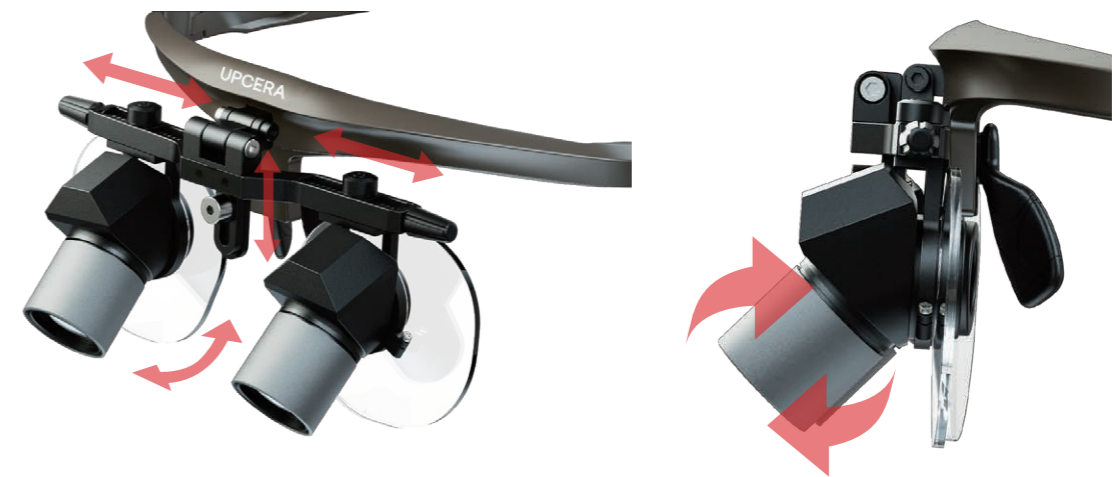
✓ Ergonomic design

With the 48° Prism angle design, DFK Binocular Loupe can eliminate the need to lower the head and bend, thereby reducing neck fatigue and guarding occupational health.



✓ Adjustable working distance

The eye point, pupillary distance, and working distance can all be easily adjusted. You can also switch between magnified and normal views simply by moving your eyes up or down.



Configuration

| Magnification | Weight | Working distance (adjustable) |
|---------------|--------|-------------------------------|
| 3.0x | 91 g | 400-550 mm |

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.:

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: 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 $\Phi \times L$ (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 $\Phi \times L$ (mm): | 26 x 3 | 26 x 3 | 26 x 3 | 26 x 3 | 26 x 3 |
| ISO No.: 802... | 900 307 544 260 | 900 307 524 260 | 900 307 514 260 | 900 307 504 260 | 900 307 494 260 |

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

| | | | | | |
|----------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Grit: Mid-Coarse | | | | | |
| Packing(pcs): 1 | | | | | |
| Order No.: | RD 231 3 | RD 232 3 | RD 233 3 | RD 241 3 | RD 237 3A |
| Recommended R.P.M.: | 15,000-25,000 / min | 15,000-25,000 / min | 15,000-25,000 / min | 15,000-25,000 / min | 15,000-25,000 / min |
| Size $\Phi \times L$ (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



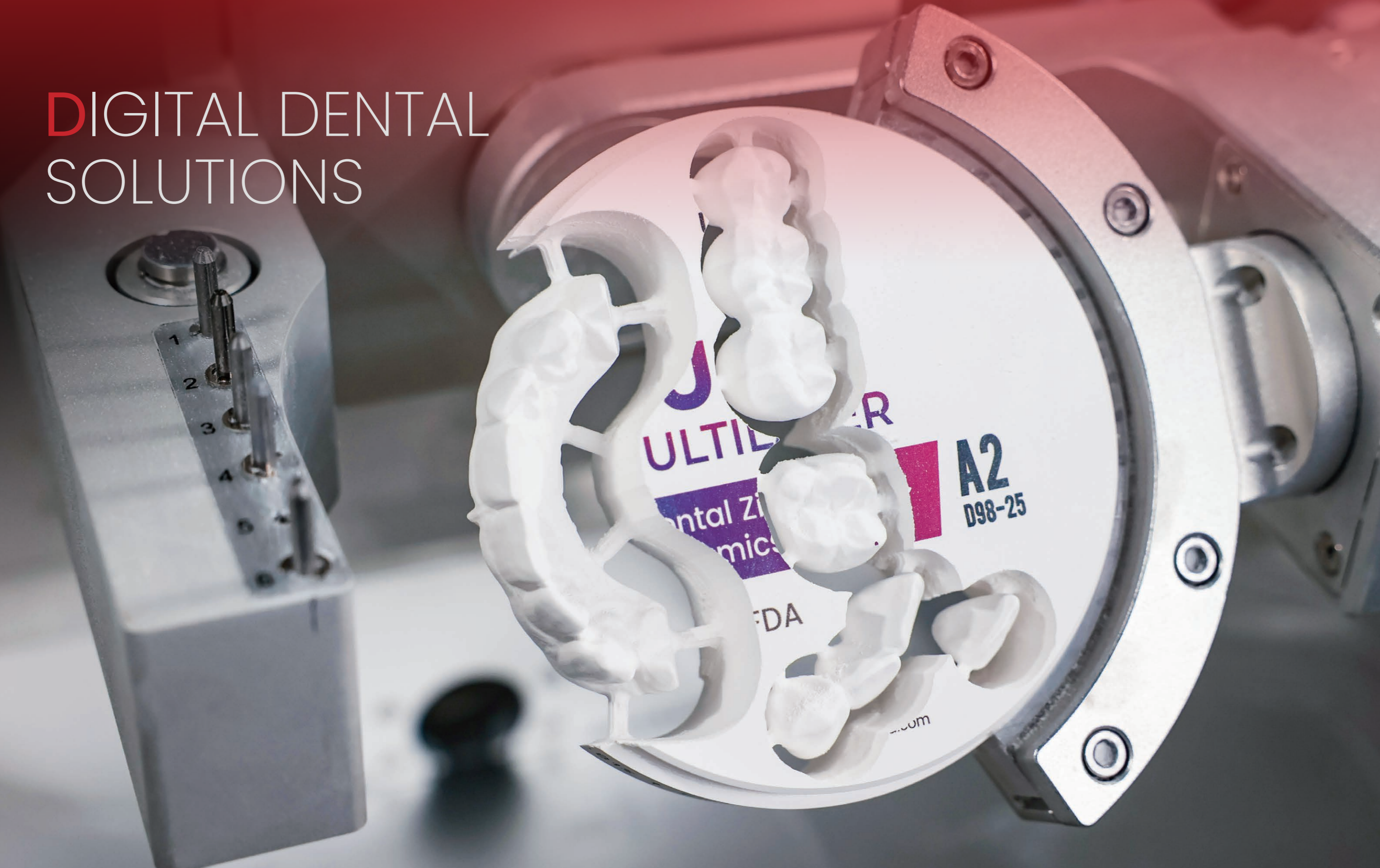
Active intelligent safety system



Optimal for high-end dental labs

| | |
|---------------------------|---|
| Model | W-50H |
| Case Size | 220 x 160 x 80 mm (length x width x height) |
| Case Weight | 2.6kg (net weight) |
| Handpiece Size | 148 x 27 mm (length x width) |
| Handpiece Weight | 230 g (net weight) |
| Output Power | 150 W |
| Standby Power Consumption | <1 W |
| Maximum Torque | 9.8 Ncm |
| Speed Setting | 0~50,000 RPM |
| Speed Fluctuation | <1% set speed |
| Power Supply | 110 VAC/3 A |
| Operating Mode | Forward/Reverse any switch |
| Fault Self-test | E0-E7 display |
| Circuit Protection | Overheat, overload, and overcurrent |
| Dynamic Response | Starts 1.1 seconds/stops for 1.2 seconds |
| Drive Mode | Manual/Speed control pedal |

DIGITAL DENTAL SOLUTIONS



FLNTScan R2

Intraoral Scanner

Smaller
Lighter
Faster



Expansive Vision, Impressive Depth

16 x 14 mm ultra-large field of view, reaching a maximum depth of field of 25 mm, comprehensively improving scanning efficiency, providing comprehensive and precise support for clinical applications.

Higher Scanning Accuracy

Higher scanning accuracy, with 10 μ m for single crown, 20 μ m for full arch, meeting requirements of multiple clinical applications.

Higher Scanning Speed

Equipped with AI intelligent algorithms, enabling a full scan within 60 s.

Lighter Weight

Ergonomically designed lightweight body, weighing just 165 g, ensures effortless scanning. Remain comfortable even with extensive use.

Motion Gesture Sensor

Viewing Model with simple hands turning.

165 g

Handpiece Weight

25 mm

Depth of View

16 x 14 mm

Scanning Scope

Specification

| | |
|----------------------------|---|
| Model | FLNTScan R2 |
| Handpiece Size | 243 x 40 x 32 mm |
| Connection | Wired USB 3.0 |
| Handpiece Weight | 165 g (without cable) |
| Depth of View | 0-25 mm |
| Scanning Accuracy | Single Crowns \leq 10 μ m, Full Arch \leq 20 μ m |
| Scanner Tip | 3 Standard tips, 1 Mini tip, 1 Protective cover |
| Scanner Tip Size | Standard 115 x 20.5 x 18 mm, Mini 115 x 17 x 13.5 mm |
| Scanning Scope | 16 x 14 mm |
| Imaging Method | Optical Continuous Video Capture |
| Image Mode Synchronization | 3D Video |
| Quick Reset | Yes |
| Model Optimization | Yes |
| Output Format | STL, PLY (True Color), OBJ |
| Working Lifespan | >30000 hours |
| Anti-fog Method | Fan-cooling |
| Calibration Tip | 1 Set (Optional) |
| Product Lifespan | 12 years |



FLNTScan LU1

3D Scanner



All-in-one scanning for dental laboratories

01

Using dual 3 megapixel high-frame-rate cameras, the system delivers much clearer image capture. With upgraded software algorithms, it offers faster scanning and improved post-processing performance.

02

360 degree scanning without blind angle, featuring an ultra-wide capture area ideal for scanning narrow gaps in orthodontic models, veneers, and unsegmented models.

- **Free switch**

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

- **Applicable for multiple restorations**

Supports scanning of veneers, impressions, orthodontic models, RPDs, unsegmented models, implants, and more.

- **High-definition scanning**

Dual high-resolution cameras provide clearer data surface quality.

- **Intelligent high-speed scanning**

One-button to add-scan, accurately and correctly, no need to search for the holes and scanning angles, improving scanning efficiency.

- **Open System: Simple, fast, and easy to use**

1. Import and export the STL file freely.
2. Output formats: STL, UM, PLY, OBJ.
3. Integrate seamlessly to third party design software, like Exocad, 3Shape, Dental Wings, etc.

Technical Data

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

UPCERA Milling Machine



| | FLNTMill-A51 | FLNTMill-A52 | FLNTMill-A52W | FLNTMill-A52DW | FLNTMill-B42 | FLNTMill-B52 | FLNTMill-E52 Hybrid | FLNTMill-M52 AirFree |
|---|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|----------------|---------------------------------|-------------------------------------|--------------------------------|
| Number of axis | 5 | 5 | 5 | 5 | 4 | 5 | 5 | 5 |
| Number of burs | 6 | 6/12 | 12 | 12 | 15 | 16 | 16 | 10 |
| Maximum power | 1.0 KW | 1.0 KW | 1.0 KW | 1.0 KW | 4.0 KW | 4.5 KW | 2.5 KW | 1.7 KW |
| Maximum spindle power | 500 W | 500 W | 500 W | 500 W | 1800 W | 2300 W | 4000 W | 800 W |
| Maximum speed | 80,000 rpm | 80,000 rpm | 80,000 rpm | 80,000 rpm | 60,000 rpm | 60,000 rpm | 60,000 rpm | 60,000 rpm |
| Systems | Servo drives | Servo drives | Servo drives | Servo drives | Servo drives | Servo drives | Servo drives | Servo drives |
| Automatic disc changer | — | — | — | ✓ | — | — | — | — |
| Large rotation angle | A axis : +25°/-18° B axis : ±360° | A axis : ±360° B axis : -35°/+95° | A axis : ±360° B axis : +35°/-95° | A axis : -±360° B axis : +33°/-35° | A axis : ±360° | A axis : ±30° B axis : ±360° | A axis : 360° B axis : +35°/-90° | A axis : -30° B axis : +90° |
| Dry milling | ✓ | ✓ | — | ✓ | — | — | ✓ | ✓ |
| Wet milling | — | — | ✓ | ✓ | ✓ | ✓ | ✓ | — |
| Disc processing 98.5 mm | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 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

FLNTMill-A51

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

Indications



Pre-milled Abutment



Implant Bridge



Post-core Crown



Veneer



Surgical Guide

Materials



ZIRCONIA



PMMA



WAX



PEEK

Device Parameters

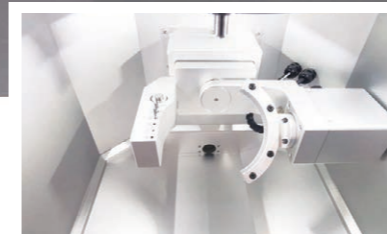
| Specification | Parameters |
|---------------------------|--|
| Dimensions | 53 x 47 x 56 cm |
| Weight | 72 kg |
| Voltage | 220 V/50 Hz ; 110 V/60 Hz (optional) |
| Power | 1.0 KW |
| Compatible Compressed Air | 0.5-0.8 MPa |
| Spindle Speed | 80,000 rpm |
| Precision | < 0.01 mm |
| Number of Bur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

FLNTMill-A52

Milling Machine



Fixture type (Optional)



Spindle Speed: **80,000 rpm**



Precision: **<0.01mm**



90° Vertical Milling

- 5-axis simultaneous milling
- Integrated, fully 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 74 cm |
| Weight | 95 kg |
| Voltage | 230 V/50 Hz ; 110 V/60 Hz (optional) |
| Power | 1.0 KW |
| Compatible Compressed Air | 0.5-0.8 MPa |
| Spindle Speed | 80,000 rpm |
| Tilt Angle | A axis: ±360°, B axis: -35°/+95° |
| Precision | <0.01 mm |
| Number of Bur | 6/12 |
| Cooling Type | Air cooling |
| Materials | Zirconia, Wax, PEEK, PMMA (Φ98.5 mm, thickness of 10 mm-30 mm) |
| Milling Speed | Zirconia, PEEK, PMMA (10 minutes/pc), Wax (3 minutes/pc), Framework (45 minutes/pc) |
| Application | Coping, crown, bridge, inlay, onlay, veneer, post-core crown, dental framework, telescope denture, customized abutment and the crown on it, and implant supported restorations |

FLNTMill-A52W

Milling Machine



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



Materials



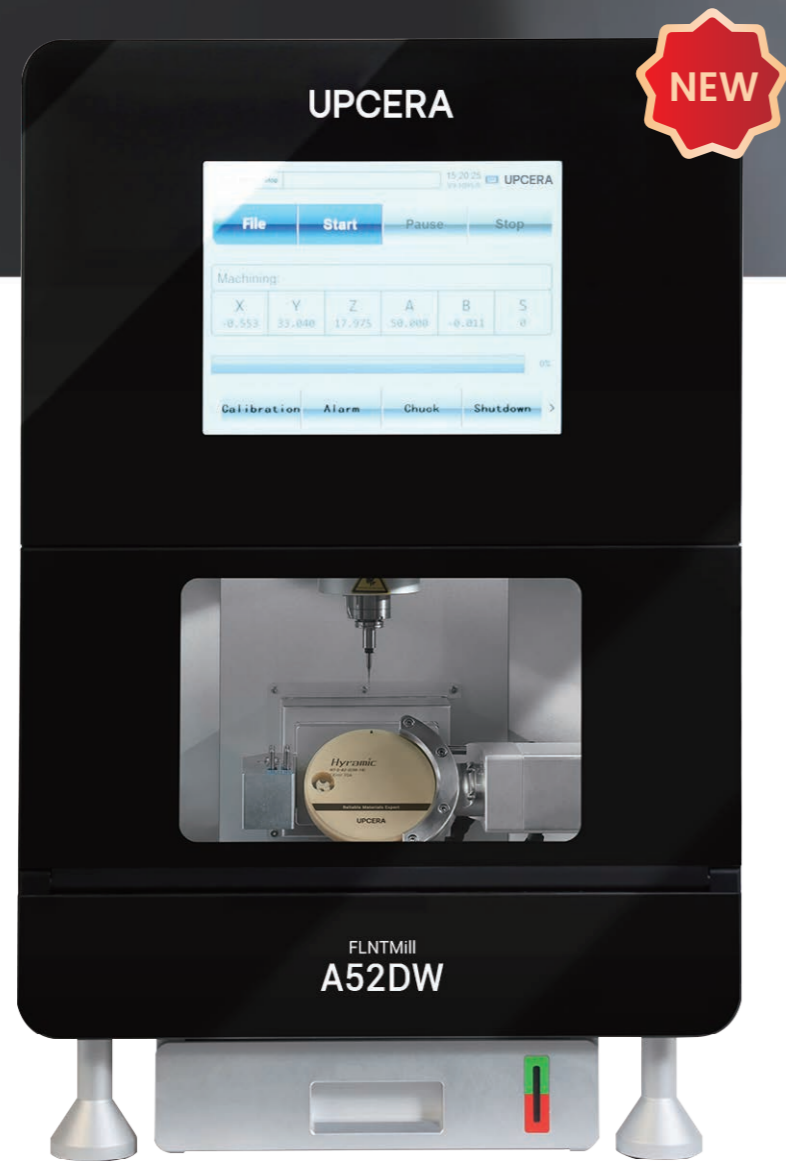
Glass ceramic Pre-milled Ti base PMMA Wax PEEK

Device Parameters

| Specification | Parameters |
|---------------------------|--|
| Dimensions | 55 x 49 x 75 cm |
| Weight | 105 kg |
| Voltage | 230 V/50 Hz ; 110 V/60 Hz (optional) |
| Power | 1.0 KW |
| Compatible Compressed Air | 0.5-0.8 MPa |
| Spindle Speed | 80,000 rpm |
| Tilt Angle | A axis: $\pm 360^\circ$, B axis: $+33^\circ -35^\circ$ |
| Precision | <0.01 mm |
| Number of Bur | 12 |
| Processing Cooling Type | Water cooling (Built-in water tank) |
| Materials | Glass ceramic, Pre-milled Ti base, PEEK, PMMA Wax ($\Phi 98.5\text{mm}$, thickness of 10mm-30mm) |
| Milling Speed | Pre-Milled abutment (40 minutes/pc), Glass-ceramic (10~30 minutes/pc), PEEK, PMMA (10 minutes/pc) Wax (3 minutes/pc), Framework (Wax / PEEK, 45/150 minutes/pc) |
| Application | Coping, crown, bridge, inlay, onlay, veneer, post-core crown, dental framework, telescope denture, customized abutment and the crown on it, and implant supported restorations |

FLNTMill-A52DW

Milling Machine



- One click switch dry/wet working mode
- Reliable 12" capacitive touch screen operation, user-friendly UI
- Build-in solid water tank
- Integrated multi-station fixture, can process disk, titanium column (4 pcs), glass ceramic (5 pcs)
- Stable and powerful spindle ensures high precision results
- 24-hour non-stop machining

Device Parameters

| Specification | Parameters |
|---------------------------|---|
| Dimensions | 490 x 550 x 750mm |
| Weight | 110 kg |
| Voltage | 230V/50Hz ; 110V/60Hz (optional) |
| Power | 1.0 kw |
| Compatible Compressed Air | 0.5~0.8 MPa |
| Spindle Speed | 80,000 rpm |
| Precision | <0.01 mm |
| Number of Bur | 12 |
| Cooling Type | Air cooling or Water cooling (Built-in water tank) |
| Tilt Angle | A axis:±360°, B axis:±35° |
| Materials | Zirconia, Glass ceramic, Pre-milled Ti base, PEEK, PMMA, Wax (Φ98.5mm, thickness of 10mm-35mm) |
| Milling Speed | Glass-ceramic (10~35 minutes/pc), Pre-Milled abutment (25 minutes/pc), Zirconia/PEEK/PMMA (10 minutes/pc), Wax (3 minutes/pc), Framework (45 minutes/pc) |
| Application | Coping, crown, bridge, inlay, onlay, veneer, post-core crown, dental framework, telescope denture, customized abutment and the crown on it, the restoration above the implant |

Materials



FLNTMill-B42

Milling Machine



Fixture type



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

Materials



Device Parameters

| Specification | Parameters |
|---------------------------|---------------------------------------|
| Dimensions | 65 x 65 x 175 cm |
| Weight | 420 kg |
| Voltage | 230 V/50 Hz 110 V/60 Hz (optional) |
| Power | 4.0 KW |
| Compatible Compressed Air | 0.55-0.8 MPa |
| Spindle Speed | 60,000 rpm |
| Precision | < 0.01 mm |
| Tilt Angle | A axis: ±360° |

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

*Requires different configuration to be ordered at purchase.

FLNTMill-B52

Milling Machine



Fixture type



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

Materials



Device Parameters

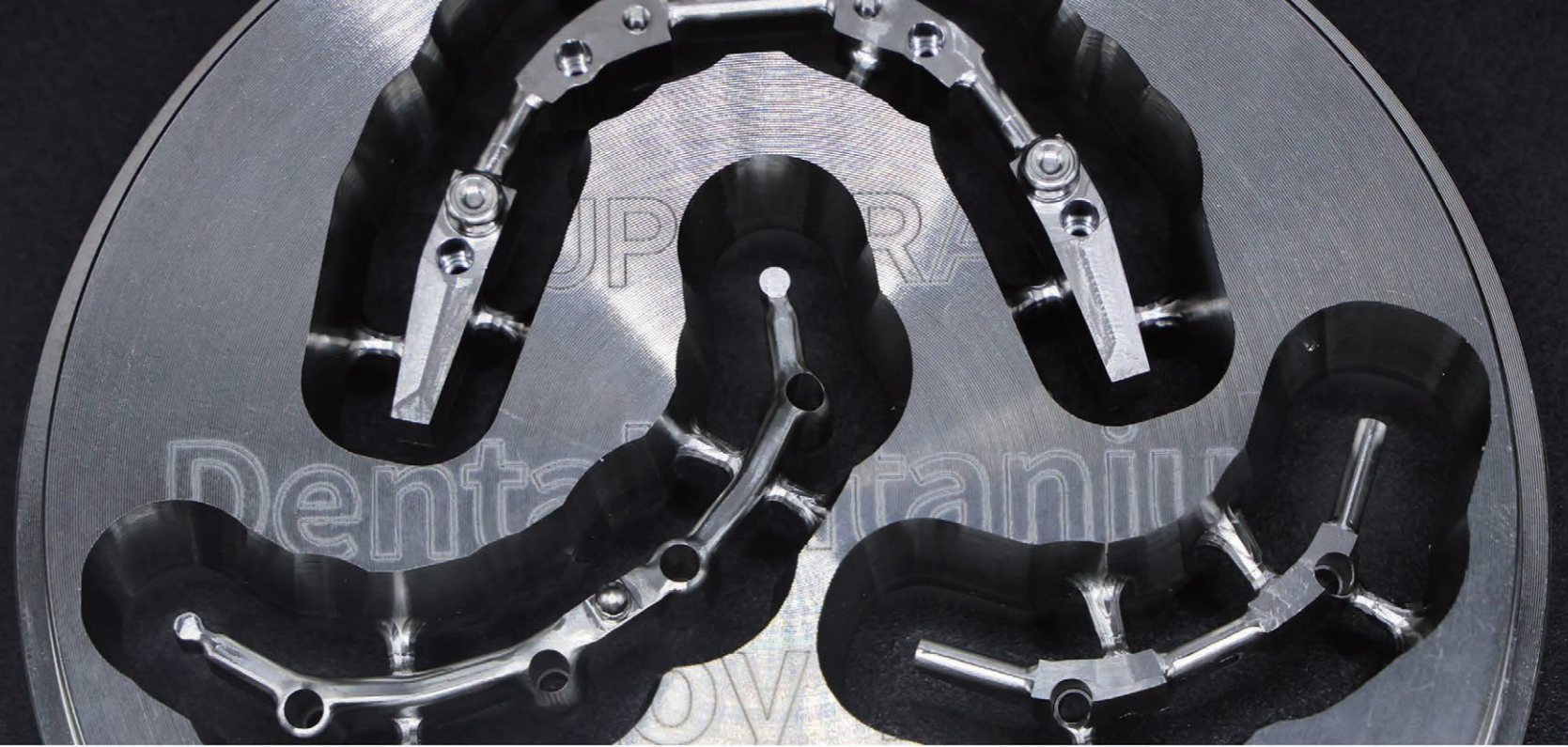
| Specification | Parameters |
|---------------------------|---------------------------------------|
| Dimensions | 65 x 65 x 175 cm |
| Weight | 435 kg |
| Voltage | 230 V/50 Hz 110 V/60 Hz (optional) |
| Power | 4.5 KW |
| Compatible Compressed Air | 0.55-0.8 MPa |
| Spindle Speed | 60,000 rpm |
| Processing accuracy | < 0.01 mm |
| Tilt Angle | A axis is ±30°, B axis is ±360° |

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

*Requires different configuration to be ordered at purchase.

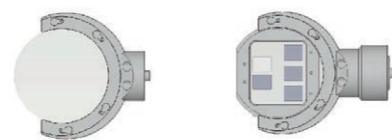
FLNTMill-E52 Hybrid

Milling Machine



- Dual wet and dry mode to meet various milling needs
- Smart tool management and wear prediction extends tool life professional-grade bridge and implant support structure
- New algorithm improves overall production capacity by 30%
- Custom-developed intelligent operating system boosts production efficiency

Fixture



Effective

The spindle has a highpower of 2.5kw and supports 24-hour long processing time.

Economic

One-pieced industrial gradecasting machine tools assure along-term stability, no needfor frequent calibration, andlow maintenance costs.

Simple post-processing

Large tool magazines of 18 tools; Finely processing surface details of work-pieces, no need for complex post-processing and polishing after processing.

Product Showcase



Device Parameters

| Specification | Parameters |
|------------------------|---|
| Number of Axes | 5-axis simultaneous control |
| A-axis Rotation Range | 360° |
| B-axis Rotation Range | +35°,-90° |
| Spindle Power | 2.5 kW |
| Spindle Speed | 60,000 rpm |
| Positioning Accuracy | 5 μm |
| Repeat Positioning | 3 μm |
| Weight | 430 kg |
| Dimensions | 650*800*1700 mm |
| Tool Magazine Capacity | 18 |
| Machining Time | Pre-milled abutment: 20 min Glass ceramics: 15 min Bar attachments: 3.5-4 hrs |

FLNTMill-M52 AirFree

Milling Machine



Compressor-Free
Convenience



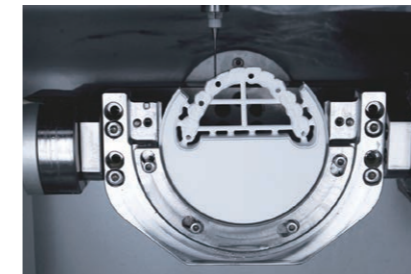
German Spindle
Durability



Quiet Clean
Compact



Plug and Play



- **Built-in air pump for tool and tool holder cleaning**

Automatically removes debris from tools and tool holders, helping maintain consistent machining accuracy.

- **Automatic recovery after power interruption**

Automatically resumes operation after a power outage, minimizing downtime and protecting unfinished jobs.

- **Up to 90° wide-angle access for buccal-side machining**

Enables precise cutting of buccal surfaces, improving restoration accuracy and surface quality.

- **Excellent sealing and dust-proof design**

Fully enclosed structure ensures effective dust isolation, enhancing durability and long-term stability.

Device Parameters

| Specification | Parameters |
|--------------------------------------|---|
| Positioning Accuracy / Repeatability | 0.01mm/0.005 mm |
| Return-to-Zero Repeatability | 0.01 mm |
| Calibration Accuracy Range | ±0.05 mm |
| Automatic Tool Changer Capacity | 10 |
| Machine Weight | 170 kg |
| Tilt Angle | A axis: -30°, B axis: +90° |
| Machine Dimensions | 525mm×700mm×784mm |
| Number of Axis | 5 |
| Millable Types | Crown, bridge, veneer, inlay, abutment, screw-retained crown, screw-retained bridge, etc. |
| Millable Materials | Zirconia, Wax, PEEK, PMMA (10-35 mm) |
| Spindle Power | DC 0.8KW |
| Spindle Speed | 60,000rpm |
| Input Power Supply | Single-phase AC |
| Input Power Consumption | 220-240V 50/60Hz |

FLNTOven-GT1

Sintering Furnace



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

Device Parameters

| Specification | Parameters |
|-------------------------|--|
| Dimensions | 420 x 465 x 800 mm |
| Net Weight | 44 kg |
| Rated Voltage | 230 V |
| Rated Power | 2500 W |
| Rated Frequency | 50 Hz |
| Max Working Temperature | 1550 °C |
| Protection Level | IP21 |
| Fast Fuse | ~ 500 V 32 A |
| Fuse | ①: 2x~380 V/16 A ②: ~250 V/0.5 A ③: 250V/1 A |
| Heating rate | 2-30 °C |

FLNTOven-GT1 Pro

Sintering Furnace



- **Accurate temperature control**
PID intelligent temperature control with high accuracy.
- **Power-off memory function**
Restart works from any curve of any program.
- **Energy-saving and environmentally friendly insulation materials**
Good insulation effect ensures temperature uniformity during heating.
- **Pre-drying function**
Save most of the white zirconia dyeing and drying time to achieve efficient and fast surface drying treatment.

Technical Parameters

| Specification | Parameters |
|----------------------------|-------------------------------------|
| Rated Voltage/Frequency | 230 V/50 Hz |
| Full load current | 11.5A |
| Rated Power | 2500W |
| Protection level | IP21 |
| Heating rate | 1-50°C |
| Built-in Editable Programs | 200 Maximum |
| Working Temperature | 1550°C |
| Dimensions | Length 42*Width 46.5*Height 80 (CM) |
| Net weight | 45KG |

FLNTOven-A7+

Sintering Furnace



FLNTOven-A7+ Pro

Sintering Furnace



Double-layer metal chamber, excellent heat preservation performance.

Two-stage fire process which can crystallize blue porcelain blocks to meet the needs of chairside.

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

Device Parameters

| Specification | Parameters |
|---------------------------|--------------------|
| Dimensions | 330 x 420 x 560 mm |
| Weight | 26 kg |
| Voltage | 230 V/50 Hz |
| Protection Level | IPX1 |
| Protective Tube1 | 3.0 A |
| Protective Tube2 | 8.0 A |
| Heating Rate | 5~100 °C |
| Max Working Temperature | 1200 °C |
| Constant Temperature Time | 00:30-30:00 min |
| Chamber Available Sizes | φ85×55 (mm) |
| Ultimate Vacuum Degree | <35 mmHg |

- Uses Fujiwara air pump from Japan to ensure perfect vacuum effect.
- Uses Swiss quartz configuration, heat more evenly, and the restoration is more transparent.
- Unique tempering cooling (slow cooling) function
- Extra large touch LCD screen and built-in 200 editable programs.
- Built-in cooling function and temperature compensation function
- Double valve control system to ensure better fire results and reduce the load of the furnace.

Technical Parameters

| | |
|-----------------------------|-------------------|
| Rated Voltage/Frequency | 230 V/50 Hz |
| Full Load Current | 6.5 A |
| Max Input Power | 1200 W+350 W |
| Protection Level | IPX1 |
| Heating Rate | 1-100 °C |
| Final Vacuum | VMAX=97% |
| Maximum Working Temperature | 1150 °C |
| Usable Chamber Size | 85 x 55 (mm) |
| Dimensions (W*L*H) | 33 x 42 x 56 (cm) |
| Net Weight | 27 kg |

UPCERA HiFi Series

Reliable Furnace Expert
For Lab Side



UPCERA HiFi Fire

Firing Furnace

Intuitive Operating System,
Customized Exclusive
Security Program



High-Quality
Craftsmanship



Durable
Stability

| Applications | with vacuum | without vacuum |
|--------------|-------------|----------------|
| Fire | ✓ | ✓ |
| Press | - | - |
| Sinter | - | - |
| Glaze | ✓ | ✓ |
| Crystallize | ✓ | ✓ |
| infiltrate | ✓ | ✓ |



| | |
|-------------------|---|
| SIZE (W x H x D) | 383 x 653 x 343 mm |
| WEIGHT | 17.5 kg |
| POWER CONSUMPTION | 95-105V / 50-60Hz or 110-125V / 50-60 Hz or 220-240V / 50-60 Hz |
| P (max) | 1500 W |
| T (max) | 1200 °C |

- Even heat distribution through closed chamber design and automatic control of the drying and cooling to optimize aesthetics
- Individually selectable drying positions of the lift
- UPCERA HiFi Fire's specific fring chamber concept for excellent firing results in all temperature ranges
- Thermocouple made of platinum/platinum-rhodium, purest quality with an accuracy of measurement far below 0.5 C
- Variable vacuum switch-on point, independent of preheating temperature
- Access to more than 100.000 firings, pressing, and sintering programs of all manufacturers of dental ceramics online

UPCERA HiFi Sinter

Sintering Furnace

1 hour ultra-fast sintering, efficient and productive



Ultrafast Sintering



Handling of up to 80 units

| Applications | with vacuum | without vacuum |
|--------------|-------------|----------------|
| Fire | - | - |
| Press | - | - |
| Sinter | - | ✓ |
| Glaze | - | ✓ |
| Crystallize | - | ✓ |
| infiltrate | - | - |

| | |
|-------------------|--------------------|
| SIZE (W x H x D) | 383 x 780 x 343 mm |
| WEIGHT | 24 kg |
| POWER CONSUMPTION | 220-224V / 50-60Hz |
| P (max) | 2000 W |
| T (max) | 1560 °C |



- Already prepared for ultrafast cycles below 1 hour
- High-temperature precision thermocouple design, suitable for speeding without overshooting the temperature
- UPCERA HiFi Sinter's tray system with up to 2 levels (Ø 3,94" per level), invented for speeding or easy handling of up to 80 units
- The high-quality SiC heating technology ensures a brilliant result
- Absolutely clean – no purge cycles necessary Nonstop – start subsequent cycles immediately
- Access to more than 100.000 firings, pressing, and sintering pro all manufacturers of dental ceramics online

UPCERA HiFi Press

Press Furnace

Fully Automated Press Process, Simultaneous Multicolor Press Casting



Patented unique system



Optimizing Throughput Press up to 3 different shades in one go

| Applications | with vacuum | without vacuum |
|--------------|-------------|----------------|
| Fire | ✓ | ✓ |
| Press | ✓ | ✓ |
| Sinter | - | - |
| Glaze | ✓ | ✓ |
| Crystallize | ✓ | ✓ |
| infiltrate | ✓ | ✓ |

| | |
|-------------------|---|
| SIZE (W x H x D) | 383 x 653 x 343 mm |
| WEIGHT | 22 kg |
| POWER CONSUMPTION | 95-105V / 50-60Hz or 110-125V / 50-60 Hz or 220-240V / 50-60 Hz |
| P (max) | 1500 W |
| T (max) | 1200 °C |



- Automatic control of the drying and cooling to optimize aesthetics
- Even heat distribution through closed chamber design
- Even heat distribution over all surfaces of the investment ring which provides for exceptional aesthetics
- Besides all common ring systems, press up to 20g with the exclusive DEKEMA trixpress™ ring system
- Press up to 3 different shades in one go, optimizing throughput
- Access to more than 100.000 firings, pressing, and sintering programs of all manufacturers of dental ceramics through online

FLNTSaug-R-407-1 FLNTSaug-R-412

Vacuum Cleaner



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

Device Parameters

| Model | FLNTSaug-R-407-1 |
|-------------------|--------------------------------------|
| Dimension(cm) | 460 x 430 x 665 mm |
| Weight | 32 kg |
| Rated Voltage | 230 V |
| Rated Current | AC 5.5 A (Max) |
| Power | 1100 W (Max) |
| Rated Frequency | 50 Hz |
| Negative Pressure | 9.6 KPa (Ø50 mm) |
| Rate of Air Flow | 4.82 m ³ /miniute (Ø50mm) |
| Noise dB | < 65 dB |
| Vacuum Port | 2 |

| Model | FLNTSaug-R-412 |
|-------------------|---------------------------------------|
| Dimension(cm) | 470 x 430 x 600 mm |
| Weight | 30 kg |
| Rated Voltage | 230 V |
| Rated Current | AC 0.7A |
| Power | 150 W |
| Rated Frequency | 50 Hz |
| Negative Pressure | 4.2 KPa (Ø50 mm) |
| Rate of Air Flow | 3.17 m ³ /miniute (Ø50 mm) |
| Noise dB | < 62 dB |
| Vacuum Port | 1 |

CORPORATE CERTIFICATION

