

Exploring the innovative world of dental materials and equipment



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Company Introduction

Our Story

Jeedent is Hangzhou Jideng Medical Technology Co., Ltd., is a professional manufacturer of dental products integrating R&D, production, and sales, providing support to dental laboratories and clinics worldwide. We have a professional sales and service team to better serve our global customers with expert guidance and tailored solutions.





Factory Introduction

Producing Department



Regulated Production



Printing



Packaging



Shipping



CONTENTS

01. Zirconia Blocks
02. Lithium Disilicate Ceramics
03. PEEK WAX PMMA TITANIUM
04. Dental Consumable



Zirconia Blocks Classification

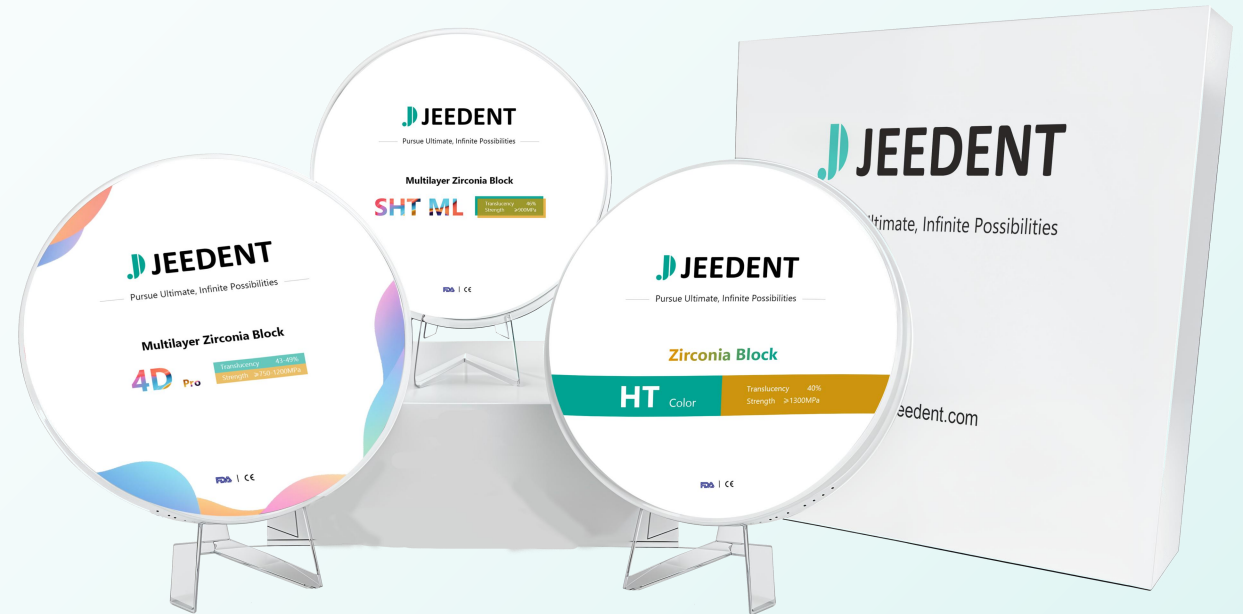
1. 3DPRO Zirconia Blocks

2. 4DPRO Zirconia Blocks

3. Color Zirconia Blocks

4. White Zirconia Blocks

5. SHT-ML Zirconia Blocks





3DPRO Zirconia Blocks



Sintering Temperature | **1500 °C**

3-Point Bending Strength | **750** incisal MPa
≥ 900 cervical MPa

Translucency | **49%** incisal
46% cervical

Vickers Hardness (Hv10) | **> 1200**

Typical indication

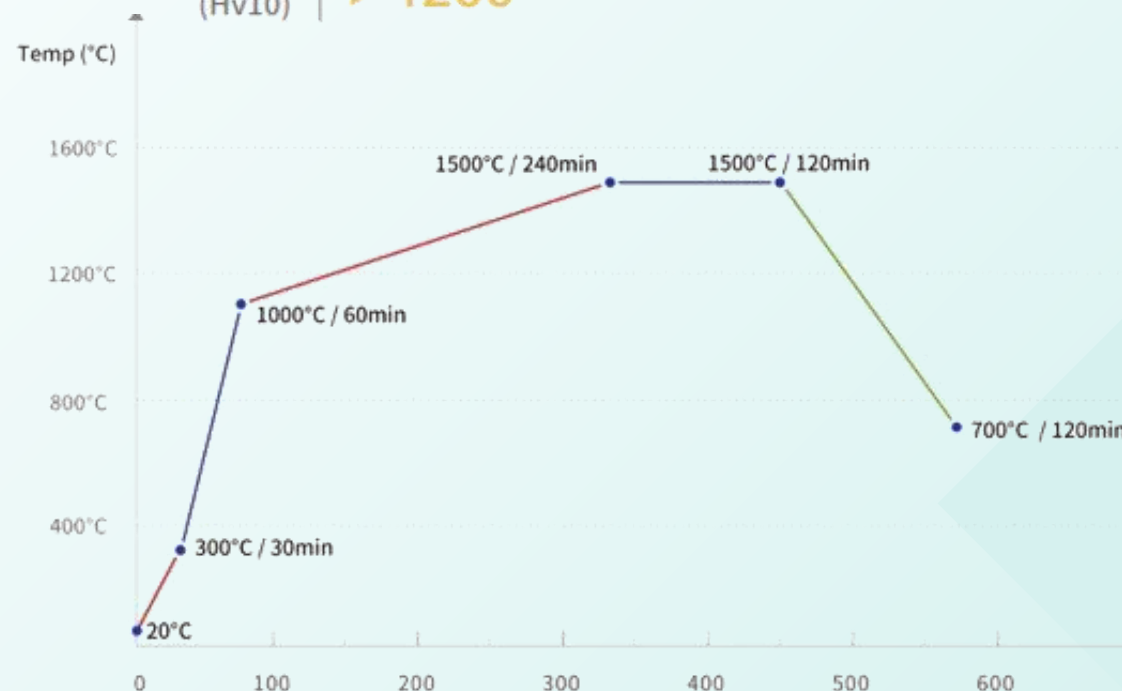


Crown, Bridge, Full-arch, Inlay, Onlay, Implant-supported bridge

Physical and Chemical properties

Holding 120min at Max temperature

Do not open the furnace door above 80°C to avoid thermal shock stress





4DPRO Zirconia Blocks



Sintering Temperature | **1500** °C

3-Point Bending Strength | **750** incisal MPa
1200 cervical MPa

Translucency | **49%** incisal
43% cervical

Vickers Hardness (Hv10) | **> 1200**

Typical indication

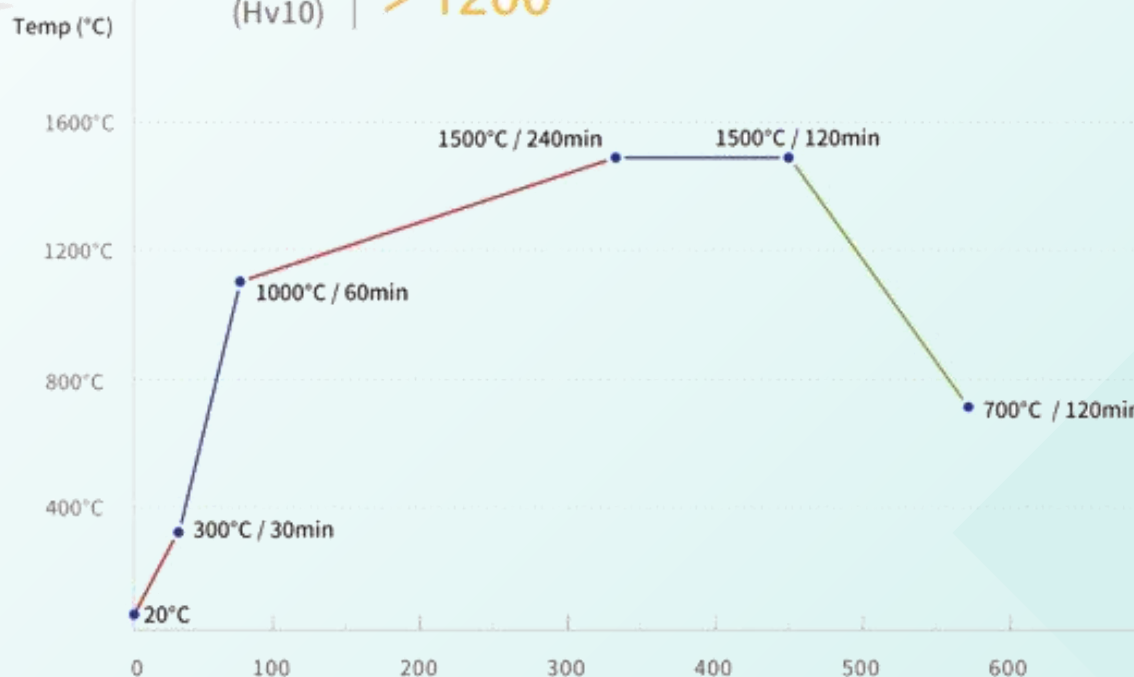


Crown, Bridge, Full-arch, Inlay, Onlay, Implant-supported bridge

Physical and Chemical properties

Holding 120min at Max temperature

Do not open the furnace door above 80°C to avoid thermal shock stress





HT Zirconia Blocks (HT-W)



Sintering Temperature | 1530 °C

3-Point Bending Strength | ≥ 1300 MPa

Translucency | 40%

Vickers Hardness (Hv10) | > 1200

Typical indication



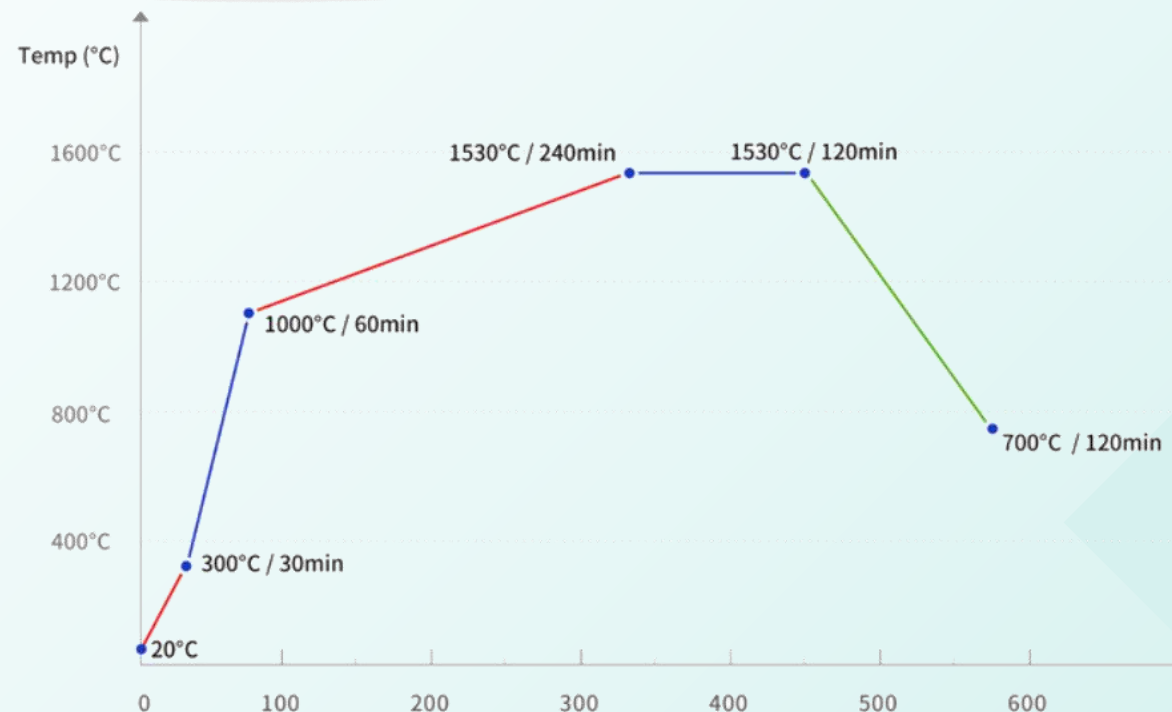
Coping, Posterior,
Crown, Bridge, Full-arch

Coloring Liquid

Available

Physical and Chemical properties

Holding 120min at Max temperature
Do not open the furnace door above 80°C to
avoid thermal shock stress





SHT-ML Zirconia Blocks



Sintering Temperature | **1530 °C**

3-Point Bending Strength | **≥ 1300 MPa**

Translucency | **40%**

Vickers Hardness (Hv10) | **> 1200**

Typical indication



Coping, Crown, Bridge, Full-arch, Inlay, Onlay

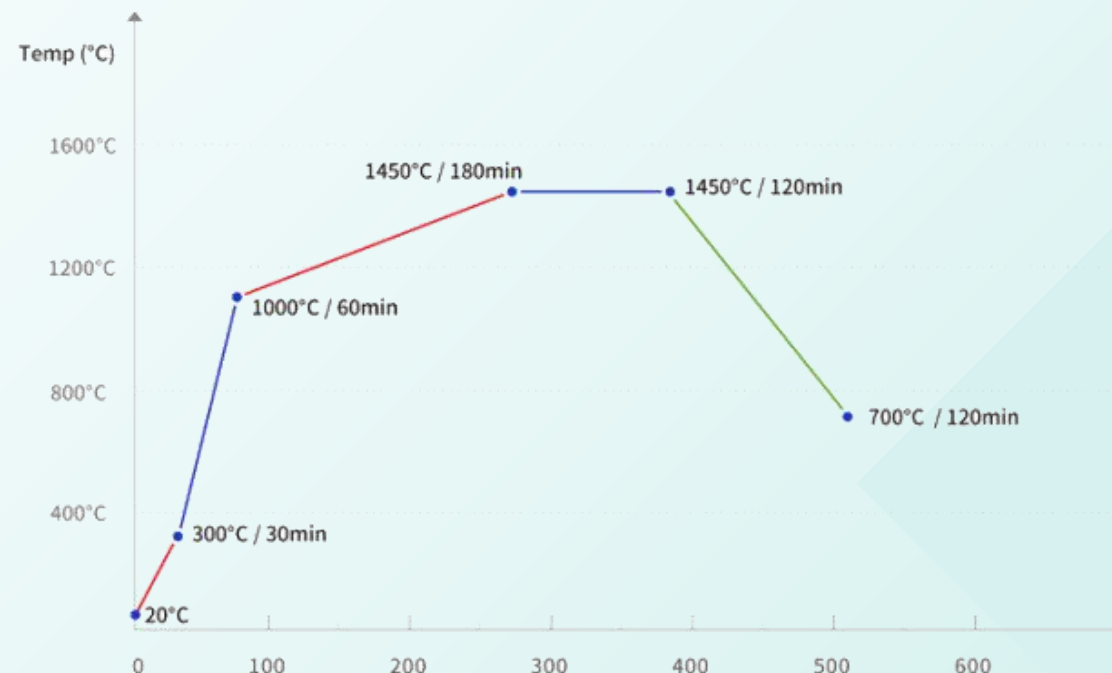
Coloring Liquid

Available

Physical and Chemical properties

Holding 120min at Max temperature

Do not open the furnace door above 80°C to avoid thermal shock stress





ST Zirconia Blocks (ST-W)



Sintering Temperature	1530 °C
3-Point Bending Strength	≥ 1200 MPa
Translucency	43%
Vickers Hardness (Hv10)	> 1200

Typical indication



Coping, Anterior, Posterior,
Crown, bridge, Full-arch, Inlay, Onlay

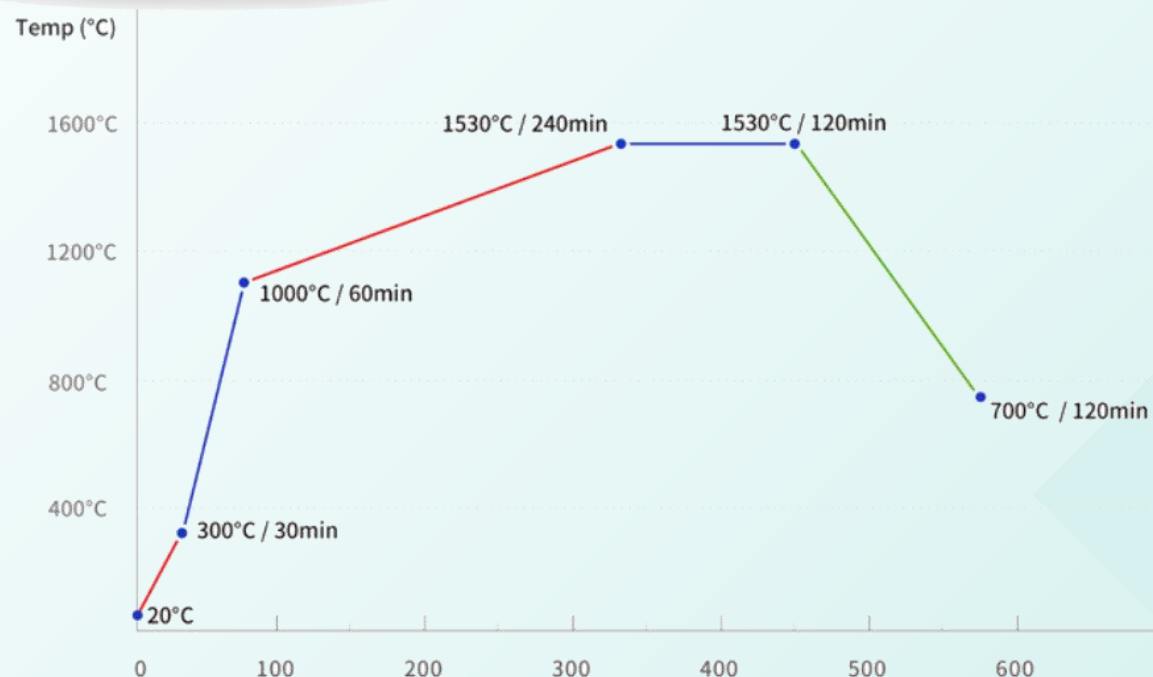
Coloring Liquid

Available

Physical and Chemical properties

Holding 120min at Max temperature

Do not open the furnace door above 80°C to
avoid thermal shock stress





Basic Details

Specification parameters

1. Sintered density $\geq 6.02 \text{ g/cm}^3$
2. Pre-shaded Blank :Vita classic 16/BL1-4
3. Available Thickness:
10/12/14/16/18/20/22/25(mm)
4. Dimensions : 95mm x 98mm AG



Applicable scenarios

1. Single Crown Restoration
2. Bridge Restoration (3-4 Unit Bridge)
3. Implant Superstructure
4. Aesthetic Restoration (Premolar Area)



Key selling points

1. Excellent resistance to cracking
2. Excellent biocompatibility
3. Color close to that of natural teeth
4. Compatibility with mainstream CAD/CAM systems (e.g., 3Shape, Cercon)





Lithium Disilicate Ceramics Classification

1. Lithium Disilicate

2. Amber Porcelain

3. Press Porcelain

4. Instant Restoration Lithium Disilicate





Lithium Disilicate



Chemical Composition

SiO ₂ (Silicon Dioxide)	58.5% – 72.5%
Li ₂ O (Lithium Oxide)	13% – 15%
K ₂ O (Potassium Oxide)	3% – 5%
Other Oxides	7.5% – 25%

Physical Properties

1. **Density:** 2.3-2.6 g/cm³
2. **Density (after sintering):** 2.4-2.7 g/cm³
3. **Biaxial flexural strength:** ≥480 MPa
4. **Coefficient of thermal expansion:** $(10 \pm 0.5) \times 10^{-6} / ^\circ\text{K}$
5. **Transformation temperature:** 500±20°C
6. **Chemical solubility:** <100 µg/cm²
7. **Radioactivity:** ≤1.0 Bq/g



Amber Porcelain



Physical Properties

1. **Density:** 2.3-2.6 g/cm³
2. **Density (after sintering):** 2.4-2.7 g/cm³
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4. **Coefficient of thermal expansion:** $(10 \pm 0.5) \times 10^{-6} / K$
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Li ₂ O (Lithium Oxide)	13% – 15%
K ₂ O (Potassium Oxide)	3% – 5%
Other Oxides	7.5% – 25%



Lithium Disilicate/Amber Porcelain Color

颜色	A1	A2	A3	A3.5	B1	B2	B3	B4	C1	C2	C3
CAD-HT 18-15-13	●	●	●	●	●	●	●	●	●	●	●
CAD-LT 18-15-13	●	●	●	●	●	●	●	●	●	●	●
CAD-HT 40-15-15	●	●	●	●	●	●	●	●	●	●	●
CAD-LT 40-15-15	●	●	●	●	●	●	●	●	●	●	●
CAD-HT 18-15-13 (琥珀瓷)	●	●									
CAD-LT 18-15-13 (琥珀瓷)	●	●				●					

颜色	C4	D2	D3	D4	BL1	BL2	BL3	BL4	MOX0	HOX0	
CAD-HT 18-15-13		●	●	●	●	●	●	●	●	●	
CAD-LT 18-15-13	●	●	●	●	●	●	●	●			
CAD-HT 40-15-15	●	●	●	●	●	●	●	●			
CAD-LT 40-15-15	●	●	●	●	●	●	●	●			
CAD-HT 18-15-13 (琥珀瓷)					●	●	●				
CAD-LT 18-15-13 (琥珀瓷)					●	●	●				



Press Porcelain



Chemical Composition

SiO ₂ (Silicon Dioxide)	58.5% – 72.5%
Li ₂ O (Lithium Oxide)	13% – 15%
K ₂ O (Potassium Oxide)	3% – 5%
Other Oxides	7.5% – 25%

Physical Properties

1. **Density:** 2.4 - 2.6 g/cm³
2. **Biaxial Flexural Strength:** ≥ 420 MPa
3. **Coefficient of Thermal Expansion (CTE):** $(10 \pm 0.5) \times 10^{-6} / \text{K}$
4. **Transformation Temperature:** 500 ± 20 °C
5. **Chemical Solubility:** < 100 µg/cm²
6. **Radioactivity:** ≤ 1.0 Bq/g



Instant Restoration Lithium Disilicate



Physical Properties

1. **Density:** 2.4 - 2.7 g/cm³
2. **Flexural Strength:** $\geq 400 \text{ MPa} \pm 60 \text{ MPa}$ (three-point bending); 420 MPa
3. **Fracture Toughness:** $\geq 3.0 \text{ MPa} \cdot \text{m}^{-1/2}$
4. **Vickers Hardness:** $5400 \pm 400 \text{ MPa}$ or 6500 MPa
5. **Coefficient of Thermal Expansion:** $(8.5 - 11) \times 10^{-6} / \text{K}$, or 9.8 ppm/°C (measured from 25°C to 500°C)

Chemical Composition

SiO ₂ (Silicon Dioxide)	58.5% - 72.5%
Li ₂ O (Lithium Oxide)	13% - 15%
K ₂ O (Potassium Oxide)	3% - 5%
Other Oxides	7.5% - 25%



Press Porcelain Color

颜色	A1	A2	A3	A3.5	B1	B2	BL1	BL2	BL3	BL4
press-LT D13*10										
press-HT D13*10										

Instant Restoration Lithium Disilicate Color

C14-HT:



C14-LT:





Key Benefits

Lithium Disilicate

1. High flexural strength (~470–595 MPa)
2. Natural translucency
3. Excellent biocompatibility
4. High chemical stability

Press Porcelain

1. Dense microcrystalline structure (flexural strength ~525 MPa)
2. Superior crack resistance
3. High precision
4. Stable color
5. Customizable layering



Key Benefits

Amber Porcelain

1. Exceptional translucency with opalescence
2. Natural and warm shade
3. Ultra-thin (0.2–0.3 mm)
4. Minimal tooth preparation required
5. Low foreign body sensation

Instant Restoration Lithium Disilicate

1. Sintering-free, ready-to-use after milling (saves ~40% time)
2. Resin-free
3. Highly wear-resistant (biaxial flexural strength ~280 MPa)
4. Elastic modulus matches natural teeth
5. Bonds securely with glass ionomer after acid etching



Use Cases

Lithium Disilicate

1. **Applicable restorations:** Single crowns, veneers, inlays/onlays, anterior 3-unit bridges
2. **Compatible with:** CAD/CAM milling & pressing
3. **Key feature:** Balances aesthetics and function

Press Porcelain

1. **Applicable restorations:** Veneers, inlays/onlays, crowns, anterior bridges
2. **Ideal for:** Restorations demanding high aesthetics & long-term durability



Use Cases

Amber Porcelain

1. **Target application:** Anterior aesthetic veneers
2. **Suitable for:** Patients with high smile line / superior aesthetic demands
3. **Design goal:** Achieve naturally lifelike, translucent effect

Instant Restoration Lithium Disilicate

1. **Applicable restorations:** Chairside immediate restorations, provisional crowns/bridges, small defect repairs
2. **Perfect for:** Scenarios requiring fast delivery without compromising wear resistance



PEEK WAX PMMA TITANIUM Classification

1. Dental PMMA Disc

2. Dental PEEK Disc

3. WAX Disc

4. Titanium Discs

5. 3D Printing Resin for LCD/DLP





Dental PEEK Disc



1. **Color:** yellow, white, pink, natural, gingival

2. **Size:** 98, 95, AG

3. **Thickness:** 10, 12, 14, 16, 18, 20, 22, 25

- Low density
- High strength-to-weight ratio
- Easy to clean
- Corrosion-resistant
- Can avoid patient reactions to aluminum alloys



Dental PMMA Disc



1. **Model:** Multilayer PMMA Disc, Monolayer PMMA Disc, Flexible PMMA Disc, Bilayer PMMA Disc, Impak PMMA Disc
2. **High aesthetics:** Meet the high aesthetic requirements of dental restorations
3. **Biocompatibility:** Protect abutment teeth from gingivitis
4. **Stability:** Good color stability, not easy to fade



WAX Disc



1. **Core Positioning:** A reliable and versatile synthetic wax disc that combines excellent melting characteristics with superior machining properties
2. **Finished Product Advantages:** Capable of producing wax objects with high cleanliness, precise fit, and strong stability
3. **Applicable Scenarios:** Specifically designed for CAD/CAM applications
4. **Technical Compatibility:** Supports both press and casting technology routes

Titanium Discs



1. **Titanium Alloy** : Gr.5, Gr.23,Ti-6Al-4v-Eli ,TI5, BT6
2. **Commerical pure Titanium** : Gr.2,Gr.4 commercially pure .
3. **Specification** :ASTM F67,ASTM F136,ISO 5832 Diameter Range : 95 mm, 98 mm, 98.4 mm, 98.5 mm Available
4. **Thickness** :8 mm-25mm



3D Printing Resin for LCD/DLP



Features

Resin Name	Description	Color	Key Properties
Dental Model	Used for implant models, diagnostic, movable, fixed restoration models, and periodontal medication trays.	Yellow, Gray	High resistance, safe, tasteless
Casting Wax	Used for inlay, veneer, wax crowns, brackets for metal/ceramic casting.	Transparent Green	High strength, impact resistance
Surgical Guide	Tooth-supported, bone-supported, and mucosal-supported implant surgical guides.	Transparent Light Yellow	High tensile strength, wear resistance
Gingiva Mask	Gum glue applications.	Pink	Safe, tasteless, high tensile and bending
Individual Impression Tray	For custom impression tray creation.	Blue	Safe, tasteless, high tensile, bending
Denture	Removable denture base material.	Pink	Ultra-high tensile, bending, wear resistance
Flexible Denture	Used for removable partial dentures.	Transparent Red	High tensile, bending, wear resistance
Temp C&B	For crowns, bridges, veneer, and inlay.	A1, A2, A3	Safe, tasteless, high resistance
Dental Model (washing)	Used for Orthodontic dental model, Periodontal medication tray	Blue	Precise, durable, and detailed dental models
Hard Splint(soft available)	For jaw pads and bruxism pads.	Transparent Light Yellow	Safe, tasteless, high tensile, bending

Usage scenario



Dental PMMA Disc

Usage scenario:

Temporary crowns/bridges, orthodontic retainers, temporary implants



Dental PEEK Disc

Usage scenario:

Long-term temporary prostheses, implant abutments, denture frameworks



WAX Disc

Usage scenario:

Wax model for restoration fabrication (such as crown and bridge wax molds), CAD/CAM wax model cutting



Titanium Discs

Usage scenario:

Implant abutments, pure titanium crowns / bridges, support frameworks for restorations



3D Printing Resin for LCD/DLP

Usage scenario:

Temporary restorations, implant guides, orthodontic models, wax patterns printing

Core Selling Points



Dental PMMA Disc

Core selling points:

Easy to machine, color close to natural teeth, low cost, compatible with mainstream CAD/CAM systems



Dental PEEK Disc

Core selling points:

Mechanical properties close to bone tissue (lightweight), excellent biocompatibility, wear resistance, suitable for long-term use



WAX Disc

Core selling points:

Good thermal plasticity (easy to shape), stable size after cooling, suitable for casting process



Titanium Discs

Core selling points:

High strength + corrosion resistance (suitable for the moist environment of the oral cavity), excellent biocompatibility, and strong long-term stability



3D Printing Resin for LCD/DLP

Core selling points:

Fast curing (high printing efficiency), high precision (good detail reproduction), compatible with LCD/DLP 3D printers

Case Show

Dental PEEK Disc



Dental PMMA Disc



WAX Disc



Titanium Discs



3D Printing Resin for LCD/DLP





Dental Consumables Classification

1. Stain & Glaze
2. Dental Milling Burs
3. Dental polish kit
4. Sintering Paste
5. Polishing Paste
6. Scanning Gel / Scan Powder





Stain & Glaze (1)



Set Composition:

Includes 4 primary ABCD shades, 18 special effect colors, glaze, 3D natural shade, and diluting & refreshing liquid

Scope of application:

Full Zircon, Copings, PFM, Glass ceramic



Stain & Glaze (2)



Core Advantage:

1. Each paste bottle contains glaze ingredients, no separate glaze application required
2. Simplified operation – only one stain application needed to achieve the desired effect
3. Glaze paste contains fine particles, no powder-liquid mixing required before use
4. Flexible crown shading – paste shades can be mixed as desired, ready for direct use after even blending



Dental Milling Burs (1)

Application Scenarios:

1. Dental Restoration Fabrication
2. Tooth Preparation
3. Oral Surgery
4. Dental Material Processing





Dental Milling Burs (2)



Core Advantages:

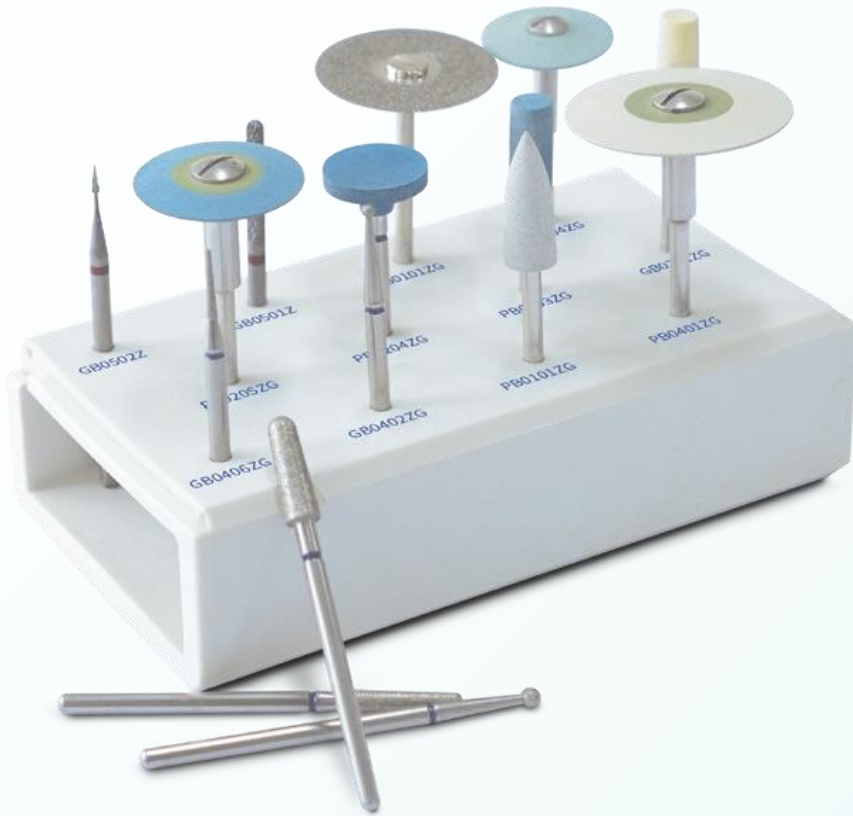
1. High-Precision Machining
2. Exceptional Durability
3. Efficient Cutting
4. Reduced Thermal Damage
5. Strong Compatibility
6. Superior Surface Finish



Dental polish kit (1)

Key Uses

1. **Restore Polishing:** Smooth ceramic crowns, composite fillings, or resin veneers post-fabrication/bonding.
2. **Natural Teeth Care:** Remove stains (coffee/tea) and polish enamel (ideal after whitening).
3. **Orthodontic Aftercare:** Smooth enamel post-brace removal; relieves discomfort.
4. **Lab Finishing:** Final touch for inlays/onlays/denture bases to meet standards.





Dental polish kit (2)



Core Advantages

1. **All-in-One Solution**--Includes tools (pastes, discs, brushes) for various dental materials (ceramics, composites, metals) – no extra purchases needed.
2. **Pro-Grade Finish**--High-purity abrasives deliver smooth, glossy surfaces; reduces bacteria adhesion and boosts aesthetics.
3. **Safe & Compatible**--Matches material hardness to avoid scratching; meets biocompatibility standards (no oral irritation).
4. **Easy & Efficient**-- Ergonomic parts + clear guidelines save time for dentists/lab techs.
5. **Long-Lasting**--Durable components cut replacement costs.



Sintering Paste



Basic Information

1. Specifications and Models: 7g, 14g, 42g, 70g
2. Color: White
3. Form: In room temperature conditions, the paste form

Advantages

1. Easy to remove, no residue
2. Provides strong support, ensuring stable operation



Sintering Paste



Applicable Restorations:

Veneers, inlays, onlays, partial crowns, single crowns, pontics

Core Function 1:

Stabilizes & supports restorations during porcelain firing or crystallization

Core Function 2:

Prevents restorations from deforming in the crystallization process



Polishing Paste



Specification	10, 30g
Model	ZS25, SC25, ZS50, SC50
XX can be customized	ZSXX, SCXX

Product Application Scope

Used outside the mouth to grind and polish the restoration, making its surface smooth and uniform

Advantages

1. Efficient polishing, significantly enhancing brightness
2. No glazing, simplifying operation procedures
3. excellent durability performance



Scanning Gel / Scan Powder



Specification	10, 20g
Color	White
Form	Creamy Paste, Powder

Product Application Scope

High-precision scanning of precise components such as implants

Advantages

1. Easy to clean, splash-proof, durable
2. Effectively prevents dust inhalation, protects health
3. transportation safety, easy to operate



About US

Shipping

To better ensure the safety of your goods, we will provide professional, environmentally friendly and efficient packaging services. We directly cooperate with DHL, UPS and FedEx, and send your products to you with fast and secure services.





About US

Certificate

We comply with CE 0197 and FDA regulations and are certified to ISO 9001 and ISO 13485 quality management standards.





Thank you for your attention !

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