



HUGE Your Partner
in Prosthetic
Dentistry

LAB SOLUTION

Help professionals make digital prostheses and help
patients regain lovely smiles



Shandong Huge Dental Material Corporation

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Facebook Huge Dental

Instagram Huge Dental

Youtube Huge Dental

v1.1-202506



Company Profile

HUGE Dental, which integrates research, development, manufacture and sales of dental materials, was founded in 2006 in China. There are three R&D centers functioning independently in Rizhao, Shanghai and Suzhou.

Implementing strict QC standards for dental industry, HUGE Dental is one of top dental material manufacturers in China, and has passed the MDR CE(EU), FDA(USA), MDL(Canada), ISO13485 and other quality system certifications and product registrations. Its dental consumables have been exported to more than 100 countries/ regions all over the world.

HUGE Dental will continue to take independent innovation as the core motivity, to provide customers with integrated dental solutions.

 **EU-MDR FDA**
Certified

33,000+m²
Manufacturing and
research plant

700+
Employees

100+
Sale Countries

50,000,000+
Product Users



Development History

2006-2009

Established Shandong Huge Dental Material Corporation.
HUGE CAD/CAM tooth molding center was established, 8 series of teeth with different mould design that can be applied to all races worldwide were launched.

2010-2016

Achieved mass production of elastomeric impression materials.
Began developing clinical dental products.

2017-2019

Our clear aligner system received Class II medical device certification and entered commercial production.
Our Light Cure Dental Adhesive and Dual Cure Resin Cement were certified as Class III medical devices.

2020-2021

Both our Light Cure Dental Adhesive and Dual Cure Resin Cement received CE certification and FDA approval.
Our Light Cure Veneer Cement obtained Class III medical device certification
Our Universal Composite Restorative was approved by the FDA.
HUGE DENTAL USA LLC was founded in California, USA.

2022

Joined the Innovation Center of the “National Engineering Research Center of Oral Biomaterials and Digital Medical Devices” .
Our Glass Ionomer Cement was certified in Switzerland.
Our Flowable Composite Restorative received FDA approval.

2023

Twelve of our products received initial registration certificates from the UK MHRA.
Shandong Huge Dental Material Corporation was recognized as one of the “Top 100 Most Innovative Private Enterprises in Shandong Province” .
Our Universal Composite Restorative received Class III certification from the NMPA.
Our Glass Ionomer Cement, Light Cure Dental Adhesive, and Dual Cure Resin Cement were registered with the UK MHRA.
Our Enamel Coating Resin was approved by the FDA.

2024 till Now

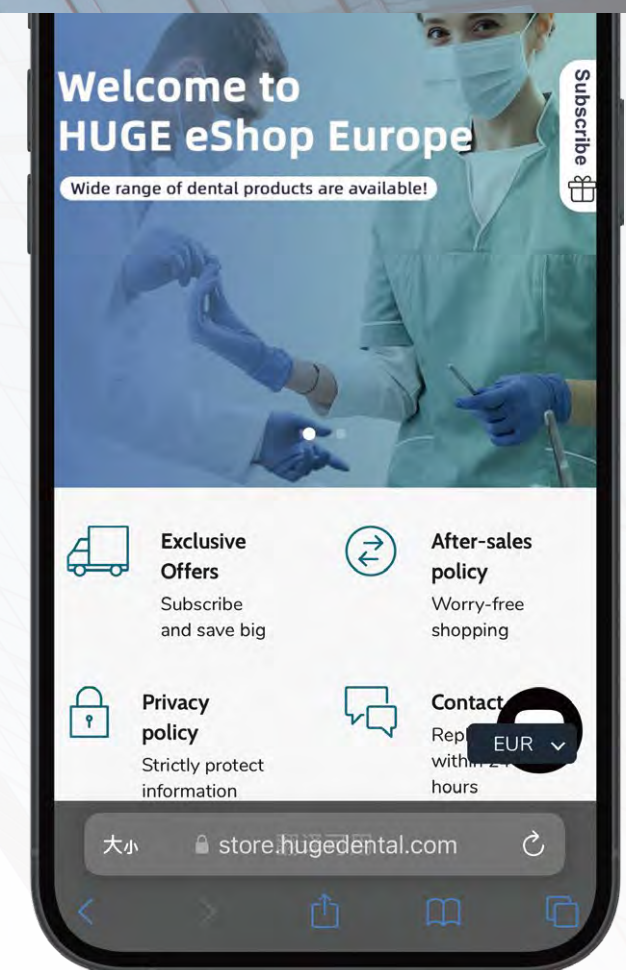
Established PT Huge Dental Indonesia to further expand our presence in Southeast Asia.
Since 2024, HUGE Dental has launched a comprehensive range of digital dental equipment, offering a one-stop solution for digital dental labs and chairside applications.

HUGE E-shop is Live!

E-Shop Europe:

store.hugedental.com

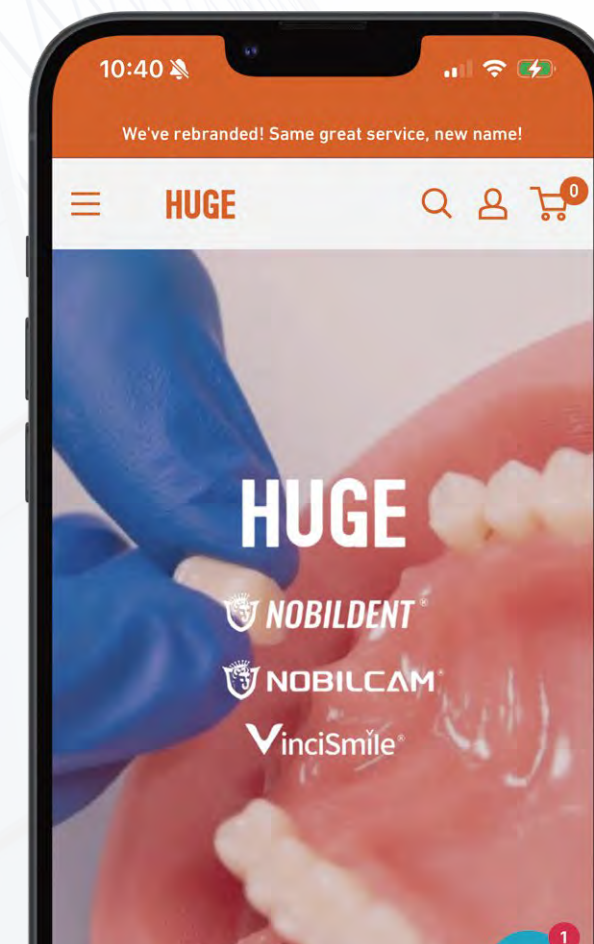
- Multi language
- Wide range of dental products
- Exclusive Offers



E-Shop USA & Canada:

store.hugedentalusa.com

- Special Offer
- Loyalty Points and Rewards
- Fast Shipping





Automated Mass Production

Production Capacity of 250, 000 Teeth Per Day and 8000,000+kg Impression Materials Annually.

HUGE Dental stands out in production capacity with its impressive, automated production machinery. Our machinery is able to achieve a mass production capacity of 250,000 teeth per day and 8,000,000 kg Impression materials annually. This production rate is three times the manual capacity. This reflects our strength and enables us to greatly improve production, as well as shorten order and delivery time to our customers.



Smart Factory, Smart Future

Our New Smart Facility Is Almost Here!

- The newly built facility covers a construction area of around 5,500 square meters.
- Scale Up: 100% increased capacity for faster global delivery.
- Intelligent Upgrade: Digitalized workstations and visualized production tracking.





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Your partner in
prosthetic dentistry

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ZIRCONIA BLOCK



MM-4D Zirconia Block

The All-in-one Solution for dental restorations

MaxMultilayer-4D: 15 layers Zirconia!

MM-4D achieves the best that zirconia restorations have to offer; including permeability, strength, and hardness. Furthermore, 8 layers of powder showing 15 overlapping layers of gradient effects. As a result, MM-4D is the optimal product for full-arch implant-supported monolithic zirconia restorations in terms of both aesthetics and functionality.

- Natural transition: 8 layers of dental multilayer zirconia; 15 layers gradient overlay
- Translucency: 43%-53%
- Strength: 800Mpa-1200Mpa
- All areas of applications: From single crown to full arch bridge



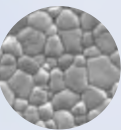
Ideal for esthetic crowns, bridges and full-arch restorations

With 800-1200Mpa strength and a high translucency (up to 53%) optimized for esthetic crowns, bridges and even full-arch restorations, MM-4D zirconia solves almost all of the dental applications with more confidence. It is also qualified for cases with very limited space requiring ultimate strength.

HUGE MM-4D Zirconia A2
full-arch implant-supported monolithic zirconia bridge



Ultra translucent zirconia: up to 53% translucency for high aesthetics in incisal areas



High strength zirconia: achieve 1200Mpa strength for exceptional stability



MaxMultilayer Structure

- 15 layers zirconia: 8 layers are superimposed and 15 layers are gradient

Flexural Strength		Translucency	Layer
≥800Mpa	High translucency	53%	Layer 1-15%
≥850Mpa		51%	Layer 2-10%
≥900Mpa		50%	Layer 3-12%
≥950Mpa		49%	Layer 4-12%
≥1000Mpa	High strength	48%	Layer 5-12%
≥1050Mpa		47%	Layer 6-12%
≥1100Mpa		45%	Layer 7-12%
≥1200Mpa		43%	Layer 8-15%



Natural color match to VITA Classic shades

Available shades



HUGE MM-4D Zirconia
A2 dental bridge - sintered and glazed

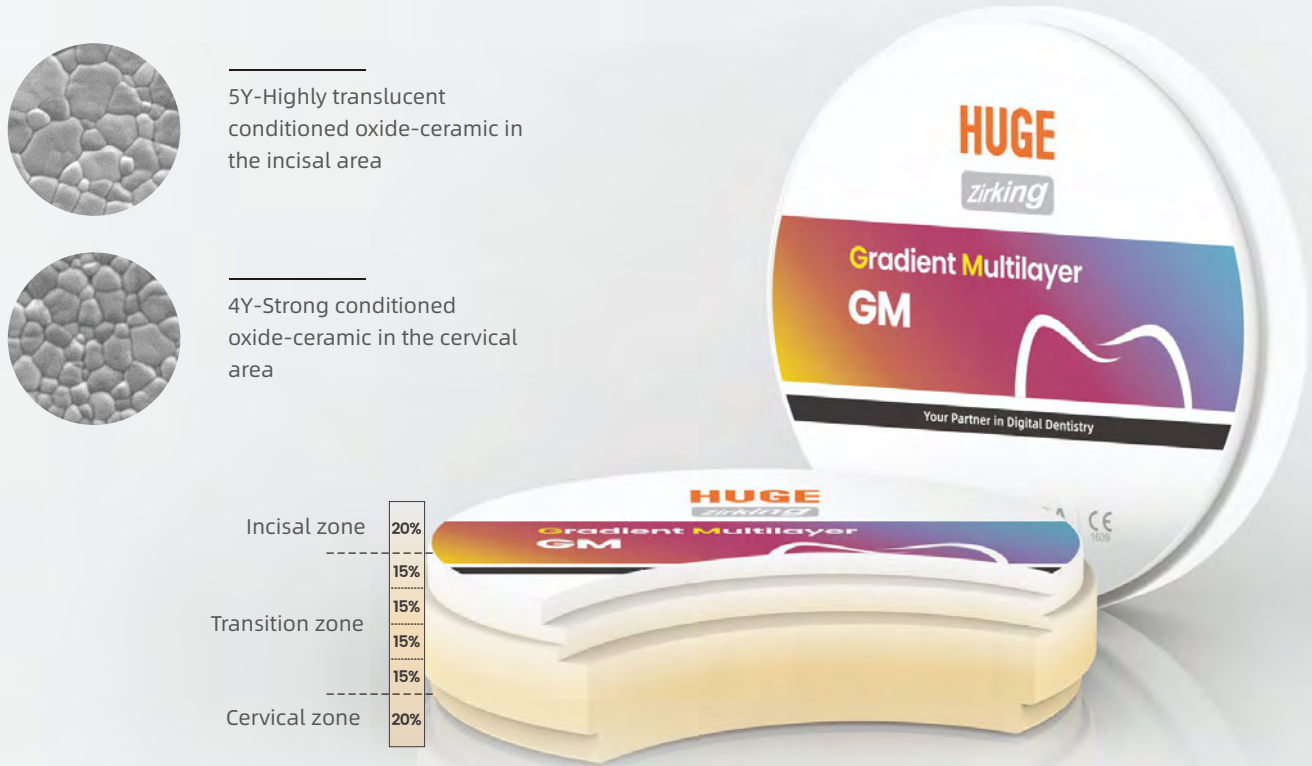


GM Zirconia Block

Gradient Multilayer provide you the ultimate aesthetic experience

Seamless transition in 3 dimensions:

Natural color transition matches the natural color gradient of the tooth from cervical to incisal.
Translucency from 43% incisal to 57% cervical.
Strength gradient from 700 Mpa to greater than 1050 Mpa.



1. Outstanding filling technology

The special filling technology allows NOBILCAM GM-3D Zirconia to offer seamless transition from dentin to enamel in color, translucency and strength. The premium esthetics and exceptional strength provides a “All-in-one Solution”, eliminating the needs to carry multiple materials.

2. Professional conditioning

To ensure outstanding accuracy of fit and no distortion, we are concerned about the shrinkage of the raw 4Y and 5Y oxide-ceramic materials. During manufacturing process, the powder conditioning adjusts the sintering kinetics and make the materials combined optimally.

3. High-quality manufacturing

Advanced manufacturing process improves the quality of the product. Before pre-sintering process, every zirconia blanks would be sealed into a vacuum bag and pressed isostatically, which improves the microstructure of the material.

Gradient Multilayer in 3 Dimensions: shade, strength and translucency.
Optimally combine the raw 4Y and 5Y zirconia materials, ensuring outstanding accuracy of fit after sintering.
Excellent incisal translucency improves the aesthetics of restorations.

Recommended applications

- Veneer
- Inlay & onlay
- Full anatomy crowns (anterior/posterior)
- Anatomically reduced crowns
- 3-unit bridge

Technical Data

Flexural strength(3-point)	700-1050Mpa
Translucency	43%-57%
Coefficient of thermal expansion	$(10.5\pm0.5)\times10^{-6} K^{-1}$
Chemical solubility	$< 100\mu g\cdot cm^{-2}$
Vickers hardness	1250 HV10

Shades & Dimensions



MHT Zirconia Block

Multilayer High Translucent

- With the flexural strength of over 900MPa, virtually all types of indications can be realized.
- The nice color gradient is a perfect imitation of natural tooth.
- Simplify the staining process in dental laboratory routines.

Recommended applications

- Veneers
- Inlays & Onlays
- Full anatomy crowns
- Anatomically reduced crowns
- 3-unit to multi-unit bridge
- 3-unit to multi-unit bridge frameworks

Technical Data

Flexural strength(3-point)	1000Mpa
Translucency	46%
Coefficient of thermal expansion	$(10.5\pm0.5)\times10^{-6} \text{ K}^{-1}$
Chemical solubility	$< 100\mu\text{g}\cdot\text{cm}^{-2}$
Vickers hardness	1250 HV10



HT Zirconia Block

High Translucent

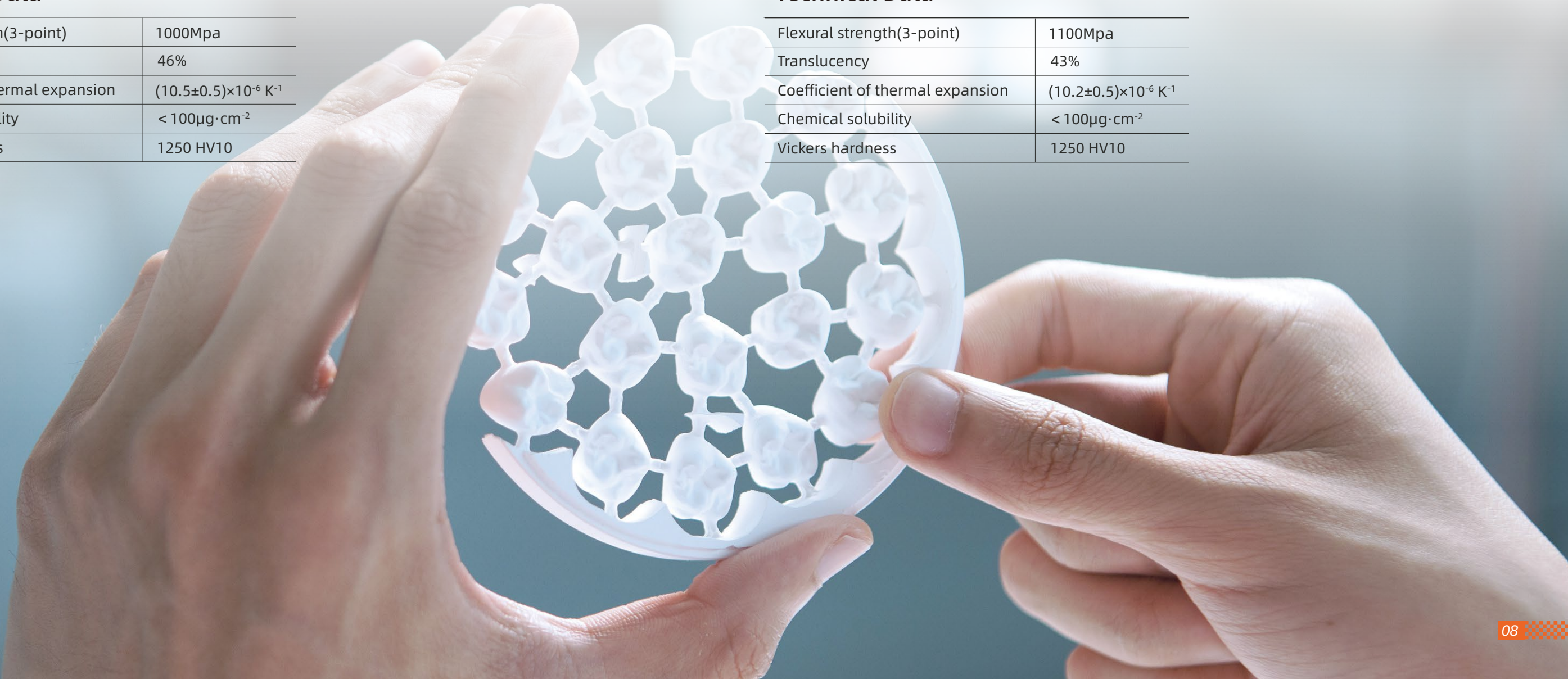
- Well-balanced combination of translucency and mechanical properties.
- Wide applications from crowns to bridges.
- High effectiveness and economic efficiency.

Recommended applications

- Full anatomy crowns
- Anatomically reduced crowns
- 3-unit to multi-unit bridge
- 3-unit to multi-unit bridge frameworks
- Customized abutment
- Full-arch bridge

Technical Data

Flexural strength(3-point)	1100Mpa
Translucency	43%
Coefficient of thermal expansion	$(10.2\pm0.5)\times10^{-6} \text{ K}^{-1}$
Chemical solubility	$< 100\mu\text{g}\cdot\text{cm}^{-2}$
Vickers hardness	1250 HV10



AT Zirconia Block

Anterior Translucent

- Extremely high translucent for anterior restorations.
- High aesthetics.

Recommended applications

- Veneers
- Anterior crowns
- Anterior dental bridge (less than 3 units)

Technical Data

Flexural strength(3-point)	700Mpa
Translucency	49%
Coefficient of thermal expansion	$(10.2\pm0.5)\times10^{-6}\text{ K}^{-1}$
Chemical solubility	$<100\mu\text{g}\cdot\text{cm}^{-2}$
Vickers hardness	1250 HV10



HS Zirconia Block

High Strength

- Highest strength up to 1400Mpa.
- Good fracture resistance.
- Mills and polishes easily.

Recommended applications

- coping & abutment
- 3-unit to multi-unit bridge
- 3-unit to multi-unit bridge framework

Technical Data

Flexural strength(3-point)	1200Mpa
Translucency	40%
Coefficient of thermal expansion	$(10.5\pm0.5)\times10^{-6}\text{ K}^{-1}$
Chemical solubility	$<100\mu\text{g}\cdot\text{cm}^{-2}$
Vickers hardness	1250 HV10





MEDICAL RESINS

PMMA BLOCK

More than a temporary material

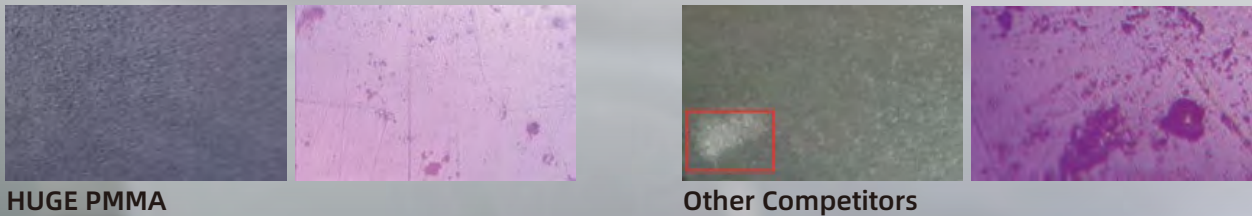
HUGE PMMA BLOCK are one of the best CAD/CAM PMMA products in dentistry in part due to the materials used and our mature manufacturing technology,

Outstanding mechanical and chemical properties

HUGE PMMA BLOCK would improve your effectiveness during your fabrication. The outstanding properties also make the milled prostheses (crowns, bridges, dentures, and etc) last longer.

Excellent compactness

According to the X-ray and optimal microscope pictures, there is no bubble or other impurities in HUGE PMMA BLOCK. The highly cross-linked PMMA material ensures high gloss, wear-resistance, and ability to resist stain.



Technical Data

Properties	Parameter
Flexural Strength	> 120 Mpa
Modulus of Elasticity	> 2200Mpa
Water Absorption	< 20µg/mm ³
Water solubility	< 0.8µg/mm ³

Comprehensive and accurate shade system

HUGE PMMA products offer 22 shades for Multilayer PMMA disc and 24 shades for Monolayer PMMA BLOCK, which are consistent with VITA shades guides.

Wide range of application thanks to:

- Outstanding mechanical and chemical properties
- Proven biocompatibility
- Aesthetic translucency
- Easy to fabricate

Recommended applications:

- Long-term temporary crown & bridge restorations(HUGE Multilayer & Monolayer)
- Dental splints for therapeutic restorations of TMJs and bruxism(HUGE Clear & Flexible)
- Digital denture & denture bases (HUGE Pink & Full Denture)
- Guide for implant surgery (HUGE Clear)

Multilayer PMMA BLOCK

- Seamless Gradient, natural and artistic
- Easy to operate, stable and efficient, excellent biocompatibility
- Not only for temporary crowns and bridges but also for removable structures for dentures

Technical Data

Properties	Parameter
Flexural Strength	> 120 Mpa
Modulus of Elasticity	> 2200Mpa
Water Absorption	< 20µg/mm ³
Water solubility	< 0.8µg/mm ³

Shades Available:

- 16A-D, 2M2, BL, BL1-4

Thickness: 10mm to 30mm

AI	B1	C1	D2	BL1
A2	B2	C2	D3	BL2
A3	B3	C3	D4	BL3
A3.5	B4	C4	2M2	BL4
A4				



Monolayer PMMA BLOCK

- Mills purely and polishes easily
- Easy to operate, stable and efficient, Excellent biocompatibility
- For long-term temporaries with a wear period up to 12 months

Systems Available:

- Open systemφ98/φ100/φ104/φ108mm, Z-Systemφ95mm, AG-System φ89mm

Thickness: 10mm to 30mm

Technical Data

Properties	Parameter
Flexural Strength	> 120 Mpa
Modulus of Elasticity	> 2200Mpa
Water Absorption	< 20µg/mm ³
Water solubility	< 0.8µg/mm ³

Shades Available:

- 16A-D, A0, B0, BL, BL1-4



Clear PMMA BLOCK

- Crystal clear surface with outstanding translucency
- Burns out without a trace
- Dense structure and low water absorption

Shades Available

- Pink Orange Clear Red

Flexural Strength: >120Mpa

Recommend Application

- Dental night guard, Implant guide, Male mold for casting

Technical Data

Properties	Parameter
Flexural Strength	> 120 Mpa
Modulus of Elasticity	> 2200Mpa
Water Absorption	< 20µg/mm ³
Water solubility	< 0.8µg/mm ³



Pink PMMA BLOCK

- Excellent material for milling a denture base
- Easy to operate, stable and low water absorption, excellent biocompatibility
- For long-term temporaries with a wear period up to 12 months

Technical Data

Properties	Parameter
Flexural Strength	> 120 Mpa
Modulus of Elasticity	> 2200Mpa
Water Absorption	< 20µg/mm ³
Water solubility	< 0.8µg/mm ³



Systems Available:

- Open systemφ98/φ100/φ104/φ108mm, Z-Systemφ95mm, AG-System φ89mm

Thickness: 20mm - 40mm

Shades Available

- 2S, 2ST, 3S, 3ST, Pink, Brown



Full Denture PMMA BLOCK

- Reduce production process
- Denture Arch is stable on the denture base
- Better accuracy than hand-made full denture

Flexural Strength: >120Mpa

Technical Data

Properties	Parameter
Flexural Strength	> 120 Mpa
Modulus of Elasticity	> 2200Mpa
Water Absorption	< 20µg/mm ³
Water solubility	< 0.8µg/mm ³

Shades Available:

- Denture base: 2S, 2ST, 3S, 3ST, Pink, Brown
- Denture Arch: 16A-D, 2M2, BL, BL1, BL2, BL3, BL4



The suitable materials for making soft bite splints and night guard



IMPAK is a revolutionary new “soft PMMA” material with memory, which is used to manufacture occlusal splints with thermomemory effect. The IMPAK material is characterized by its thermoplastic flexibility resulting in highly precise adaption to the tooth situation. Moreover, IMPAK offers stress-free wearing comfort for the bruxing patients. The splints or night guards fabricated from the IMPAK discs could provide optimum patient comfort and are free from MMA&BPA.

The disc sizes can fit CAD/CAM requirements and simplify the manufacturing workflow. The CAD/-CAM technology also ensures a safe process, since the hand mixing errors are eliminated. Besides, the industrial production process of IMPAK discs provides an exceptional material homogeneity and thereby an outstanding long-term stability.



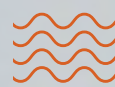
Soft bite splint with thermoplastic flexibility

Fabricated from IMPAK Disc

Flexible Block

HUGE Flexible Block is fabricated from a strong biocompatible nylon thermoplastic compound

For the production of removable partial dentures (RPD'S), invisible crystal clear frame-works, night guards, full dentures implant retained dentures, clasps, and other metal-free removable dental appliances processed by CAD/CAM milling machines.



High Tensile
& Flexural Strength



Fatigue Resistance



Low Water Absorption



Excellent Stability



Partial denture frameworks



Bite splint



Technical Parameters

Items	Technical Requirements
Tensile Strength	$\geq 30\text{Mpa}$
Elongation at Break	$\geq 40\%$
Water Absorption	$\leq 5\%$
Impact Strength	$\geq 20\text{K/m}^2$
Flexural Strength	$\geq 30\text{Mpa}$
Flexural Modulus	$\geq 1000\text{Mpa}$

Indications

Intended for dental plates, bite plates, frame-works, clasps, personal trays, appliances, occlusal splints and night guards.

Casting Wax

HUGE provides high quality casting wax and please contact us for more details.



DIGITALIFE™ DENTAL SOLUTION



NOBILCAM® -5X

Dry dental milling machine with 5-axis linkage, the reliable equipment for the digital future.

Features

- 5 AXIS
- C-CLAMP HOLDER
- 90° MILLING STRATEGY
- LARGE B-AXIS ROTATION
- TIME-SAVING
- INTERRUPTION RECOVERY



Specification

Parameters

Number of axis	Five-axis linkage
Milling method	Dry milling
Cutting material	Zirconia block, PMMA, Wax, Resin, Composite Material
Block size	Diameter 98mm, thickness 10-30mm
Disc Stroke range	X/Y/Z:200-120-120 A:360°, B: +30°~ 90°
Spindle	0-60000rpm/500W
Drive	Full servo motor
Tool (Bur)	Quantity:10 Diameter:4mm
Dimension	Left and right: 530mm, Front and back: 650mm Up and down: 760mm
Weight	Total mass of cutting machine: 145KG
Required air pressure	6.0-6.5 bar
Compressed air flow	Approx. 50L/min
Minimum suction volume	Approx. 3000L/min
Power	800W
Power supply	220-230V AC, 50/60Hz
Milling precision	≤0.02mm





Fits The Global Tooth Pattern

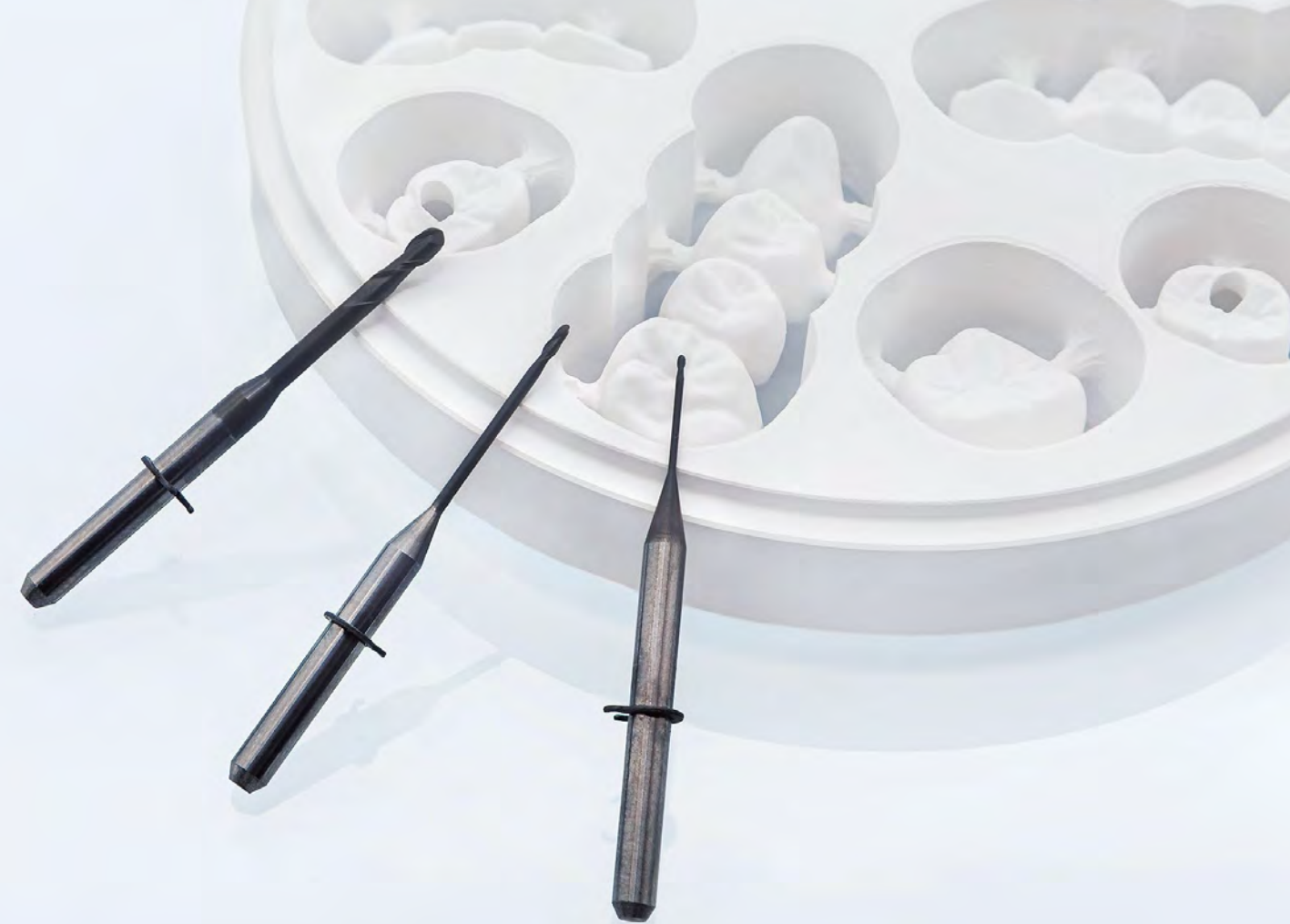
— CAD Design Service by HUGE

CAD design, an important part of the digital workflow, needs to fit both the aesthetics of the dentist's chairside and the processing needs of the dental technician.

Relying on HUGE resin tooth form research and development technology, aspiring to fit in with the tooth form design concepts of all regions of the world, homogeneous CAD design services are provided to customers, but also according to the different needs of customers, through personalised customisation to solve the client's special requirements for CAD design.

CAM design, a key step in converting a CAD design model into a toolpath that can be recognised by a CNC machine. We provide a complete CAM design solution for our customers using our equipment, which includes but is not limited to providing customers with a wealth of machining strategies and technical support to meet the different needs of customers for machining quality, efficiency and costs.

This is all based on Hyperdent software's leading core algorithms and our repeated testing of material properties and equipment parameters.



Best Option For Milling

— HUGE Milling Burs

Our CAD/CAM milling burs are made by high-quality solid carbide, compatible with most CAD/CAM machines or systems. It is your ideal choice for milling Zirconia, Titanium, Lithium Disilicate, PMMA or other Resin materials. A wide range of types for you to select.

ROLAND



D4.0mm 2.0/1.0/0.6/0.3mm
Diamond Coated

IMES-ICORE



D6.0mm 2.0/1.0/0.5mm
Diamond Coated

ZIRKONZAHN



D6.0mm 2.0/1.0/0.5mm
Diamond Coated

AMANN GIRRBACH



D6.0mm 2.0/1.0/0.5mm
Diamond Coated

ARUM



D6.0mm 2.0/1.0/0.5mm
Diamond Coated

VHF



D6.0mm 2.0/1.0/0.5mm
Diamond Coated

* In addition to the milling burs shown above, more types are available on request.

3D Printing System

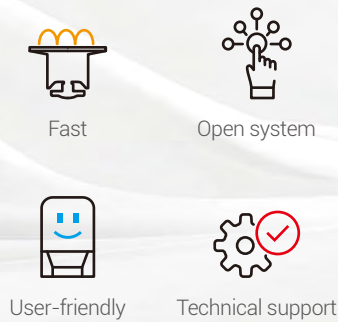
Edge Max

Large Format Dental 3D Printer
A versatile solution for dental labs



Edge E2

The Ideal Choice To Go Digital
Delivers speed, accuracy and successful prints



3D Printing Resin

High-Precision, Hyper-Performance

TOUGHFLEX Molecular™ Technology



Dental Model M3.0

- ✓ Low Odor & High Biocompatibility - Enhanced user comfort and safety
- ✓ Ultra-High Precision - True-to-anatomy detail reproduction
- ✓ Non-Settling Pigment - Consistent color integrity



odor irritation less
than the competition

38%



13%

tensile strength higher
compared to the
competition

150%

impact strength
higher than the
competition

Technical Specifications	Edge Max	Edge E2
Build volume	290 × 160 × 190 mm	192 × 120 × 190 mm
Pixel size	46 μm	34.4 μm
Technology	LCD Technology	LCD Technology
Dynamic layer thickness	0.05~0.1 mm	0.05~0.1 mm
Printing speed	Up to 36 mm / 1 hour	Up to 85 mm / 1 hour (Depending on the resin type and slicer settings)

Digital Mill Denture Solution

Less Labor, More Artistry



70% Labor Cost Savings Compared to Traditional Methods

Lifelike Surface Texture Effective for the Long Term Use

STEP 1

Impression

ivinci x



Ultra-fast DLP scanning experience 180° Rotatable tip for easy use.

STEP 2

Milling Denture Base

Digitalife™ Pink PMMA



Crystal clear surface with outstanding translucency Dense structure and low water absorption.

STEP 3

Bonding Carded Teeth

HUGE Carded Teeth



Rich multi-layered design concept Harmonious shading transition Balancing hardness, wear resistance and stain resistance

Digital Print Denture Solution

Less Labor, More Artistry



NEW Solution

Valuable Choice

Achieve efficient and accurate denture fabrication with 3D printed base and high-quality prefabricated teeth.

STEP 1

Impression

ivinci x



Ultra-fast DLP scanning experience 180° Rotatable tip for easy use.

STEP 2

Printing Denture Base

Digitalife™ Base Resin



Experience high precision and consistent quality that accelerates your production while delivering outstanding aesthetic results.

STEP 3

Bonding Carded Teeth

HUGE Carded Teeth



Rich multi-layered design concept Harmonious shading transition Balancing hardness, wear resistance and stain resistance

SYNTHETIC POLYMER TEETH



HUGE Digital Denture Workflow with Prefabricated Teeth

Thanks to its developed product line and rich experience in dental laboratory products, HUGE now is in the forefront of the digital dentistry and provides you perfect Digital Denture Solutions.

To fabricate digital full dentures with aesthetic appearance and elevated efficiency, you must try HUGE Digital Denture Workflow.

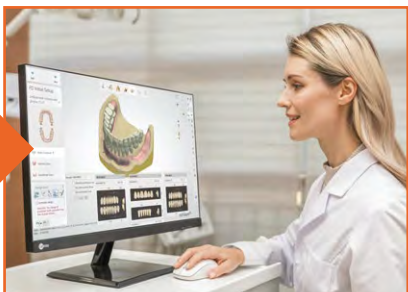
What can you expect:

- Time-saving process ✓
- Aesthetic appearance ✓
- Precise result ✓
- Meet your individual needs ✓
- Deep integration with digital dentistry ✓



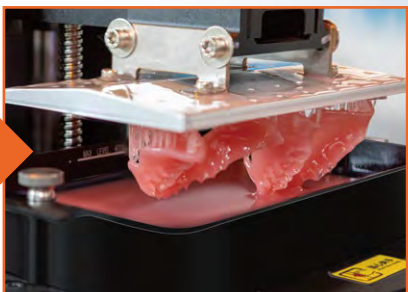
01 >> Oral Scan

i-Vinci Intraoral Scanners



02 >> CAD Process

HUGE Tooth Libraries available in 3shape and exocad



03 >> 3D Printing

NOBIL-3D Dental 3D Printer



06 << Satisfactory Result

Bring Convenient Smiles



05 << Digital Bonding

HUGE Self Curing Resin



04 << Teeth Preparation

HUGE Synthetic Polymer Teeth

Applications

In Digitalife™, we would provide you familiar teeth morphology(e.g. Sonning) from HUGE teeth lines with dedicated moulds, specialized forms and preconfigured tooth libraries for simplifying your digital denture workflow
All teeth lines in Digitalife™ Concept are plug and play thanks to no-grind design

New generation denture teeth concept for digital dentistry

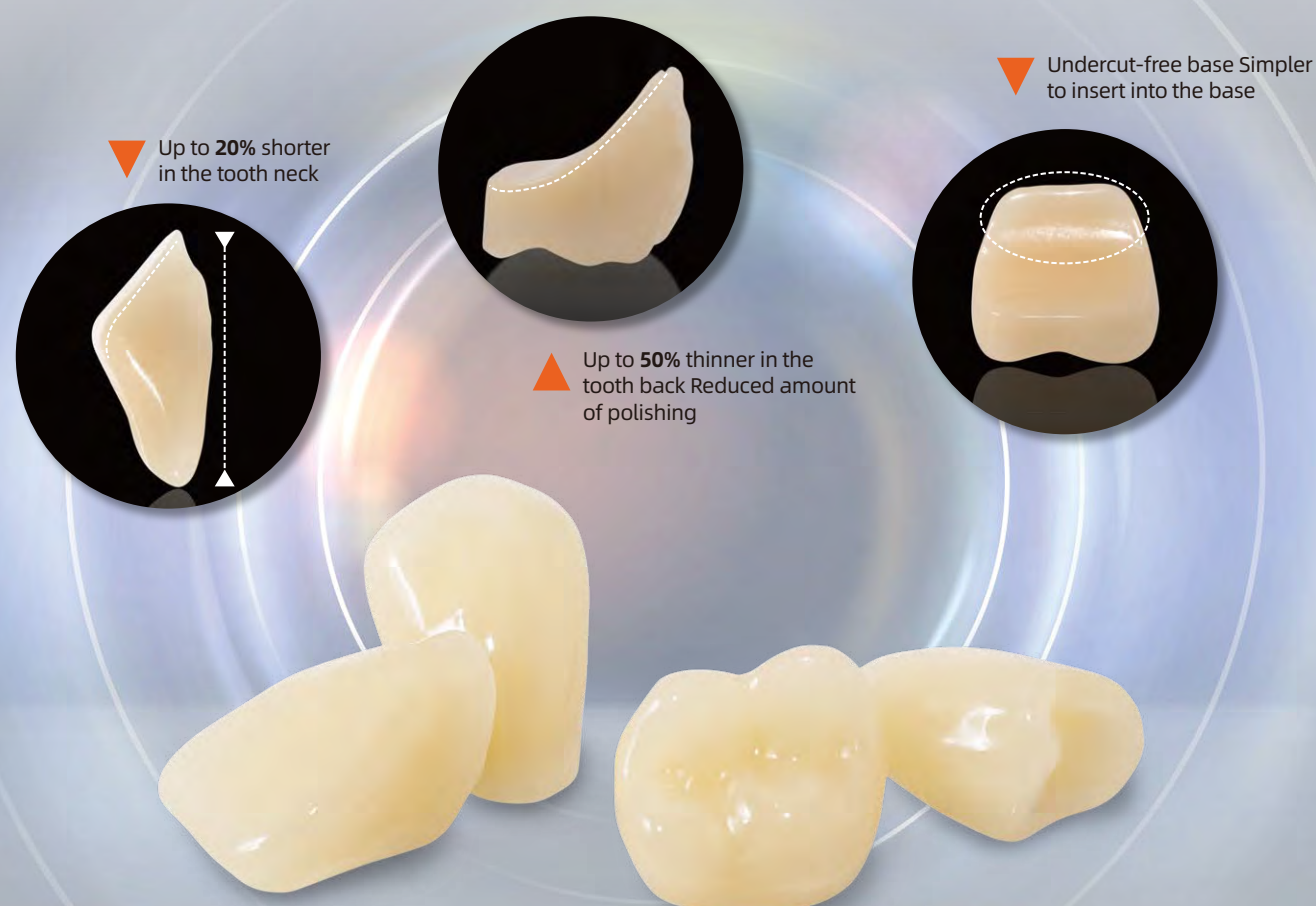
Good data homology for improved matching with print or engraved generated matrices
Suitable for helping cases with small vertical distance(VD)
Undercut-free basal design

Increase accuracy

Special mold production brings stable dimensional size

Special morphology, especially for digital denture workflow

Shorter neck, thin and flat lingual side, gentle transition at the bottom of the posteriors
No deep cavity, reducing the inverted concave of subtractive fabrication base for better being in place



Natural appearance with vividness

Vivid play of shape and color
High res images available through CAD process

Digital bonding solution

Plug and Play workflow: after mixing the self-curing resin, apply mixture to both denture base and teeth for bonding
Time-saving bond system for bonding teeth to milled or printed denture bases
Easy to get materials, costing less
High bonding strength and good bonding effect

Enhanced performance

Double cross-linked resin, higher molecular weight
Better wear-resistance and stain-resistance than conventional PMMA

Moulds and Shades Sonning-Digitalife™ Version

- 6xupper anterior moulds: O5, S4, T3, T5, T6, T9
- 5xlower anterior moulds: L5, L6, L7, L8, L11
- 6xposterior moulds: 30U, 30L, 32U, 32L, 34U, 34L
- Classical 16 A-D shades
- Bleaching shades: A0, A00

* All HUGE teeth lines can be added to Digitalife™ Concept after special modification, now *Sonning* is our first to join

SPEC

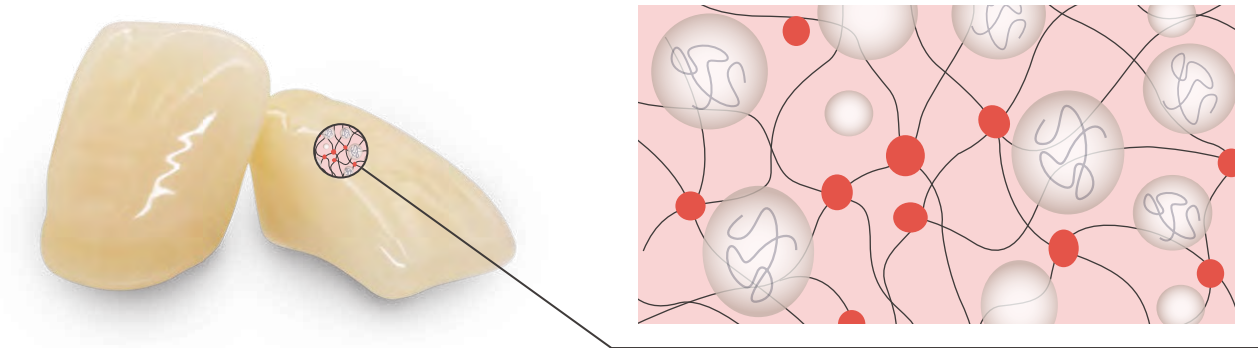
- Anterior: 6x1x16/Box (6pcs/card, 16 cards/box)
- Posterior: 8x1x12/Box (8pcs/card, 12 cards/box)
- Full set: 28x1/Box (1 full set)



Extra hard teeth made from MAC(Micro Armor Composite)
combine functionality and aesthetics to meet your unique needs



Durable Multilayer Structure



Enamel Layer

Micro Armor Composite Resin
Filled with spherical filler with over 45% filling ratio, the MAC is applied to the enamel layer for aesthetics and practicality.

Dentin Core & Back Incisal

SPLINT Composite Resin
When applied to the dentin layer, our patented pre-polymerized SPLINT material would achieve higher structural strength and ensure chemical adhesion between teeth and denture base.

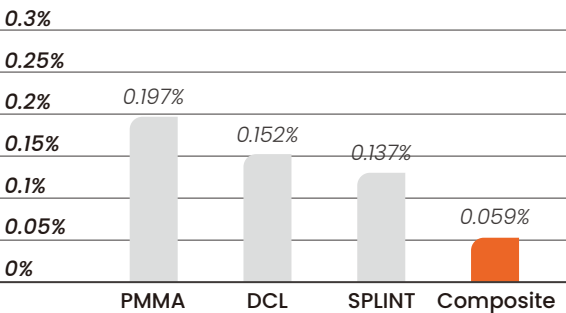
	PMMA	DCL	SPLINT	Comp- osite ^[1]
Hardness HV0.2	18	22	26	40
Compressive strength MPa	313	370	373	380
Flexural strength MPa	120	130	132	138
Modulus of elasticity MPa	2235	2346	2360	2580

[1] : Test Report, HUGE Dental, 2024

[2] : Third-party Test Report, 2024

Abrasion Resistance

Weight loss rate after 60,000 cycles with resin abrasives^[2]



You can expect from KAIPPLUS & KAIFENG Composite Teeth:

- Vickers hardness over **44**, enhanced wear-resistance ✓
- Choose from a wide range of molds including semi-anatomical and non-anatomical posteriors to enhance individuality ✓
- Enjoy long-lasting wear resistance with reduced everyday wear and tear ✓
- Designed for aesthetic appeal with optimized translucency and brightness ✓

Composite Teeth ▶	KAIPPLUS (EU/NA Version) 	KAIFENG 
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Overview ▼

Anterior Layering	3 Layers	2 Layers
Material	Micro Armor Composite Resin (MAC)	

Moulds ▼

Anterior	12 upper 6 lower	15upper 10 lower
Posterior	28° : 8 upper/8 lower 0° : 2 upper/2 lower	28° : 4 upper/4 lower
Tooth moulds digitally available ▶	Yes	

*KAIPPLUS EU/NA Version applies the well-loved MAIST morphology in Europe and America and has consistent performance with existing KAIPPLUS

Five-Layer Double Cross Linked Teeth

Natural and lively expression of shape and color.

Applications

Making removable full or partial denture
Making implant-supported denture

Close to natural vividness

Rich multi-layered design concept
Lifelike surface texture
Shiny and translucent incisal
Harmonious shading transition when set up teeth

Optimized for function

Wide neck form to cover individual structural elements
Harmonious enamel layer around to allow free custom adjustment
Mechanical de-edging produces perfect and translucent flanks



Concentrate on performance

Denser material structure
Higher molecular weight
Better wear-resistance and stain-resistance than conventional PMMA

Properties ^[1]	
Flexural Strength	> 125MPa
Modulus of Elasticity	> 2300MPa
Water Absorption	< 15µg/mm ⁻³
Water Solubility	0.3µg/mm ⁻³



Functional occlusion

Universally adaptable for all concepts of occlusal patterns
Easy and intuitive set-up with occlusion designed by the cogwheel principle
Efficient set-up with precise and easy-to-find centric design
Anatomical occlusal cusp design for 28°and non-anatomical for 0°

Moulds and Shades

- 20×upper anterior moulds:
S1, S2, S3, S4, S5, S6, T1, T2, T3, T4, T5, T6, T7, T8, T9, O1, O2, O3, O4, O5
- 12×lower anterior moulds:
L1, L2, L3, L4, L5, L6, L7, L8, L9, L10, L11, L12
- 20×posterior moulds:
28°: 30U,30L, 32U, 32L, 34U, 34L, 36U, 36L, 30MU, 30ML, 30SU, 30SL, 32SU, 32SL, 36MU, 36ML;
0°: Z1U, Z1L, Z2U, Z2L

SPEC

- Anterior: 6×1×16/Box (6pcs/card, 16 cards/box)
- Posterior: 8×1×12/Box (8pcs/card, 12 cards/box)
- Full set: 28×1/Box (1 full set)

[1] : Test Report, HUGE Dental Official Laboratory, 2023

Five-Layer Double Cross Linked Teeth

Premium teeth line specially designed for individual dentures.

Applications

Making removable full or partial denture
Making implant-supported denture

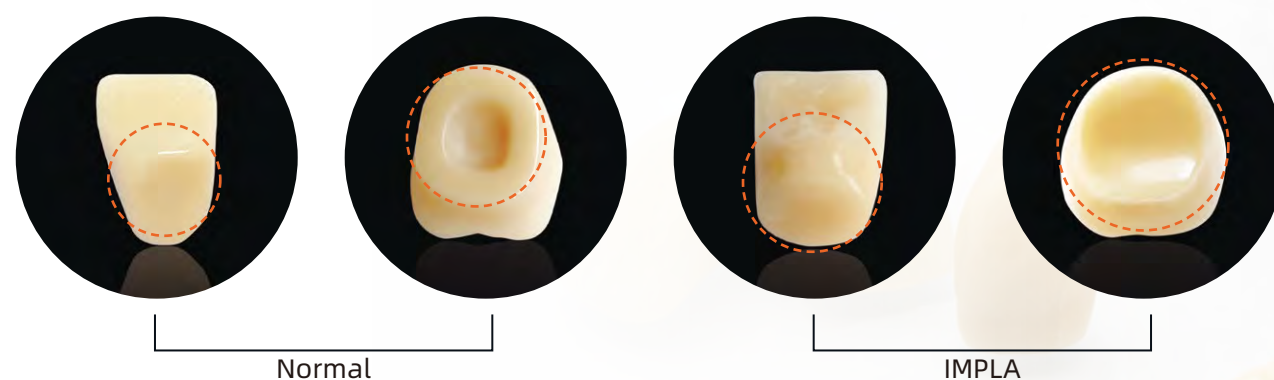
Impressive appearance

Perfect surface texture and characterization
Popular shades and diverse moulds available
Familiar tooth shapes and vivid appearance



Enhanced individuality and function

- Wide neck form enable easier esthetic adaptation of the prosthesis to the structure beneath
- No preparative hole on the ridgelap of posterior, makes IMPLA also compatible for individual abutment
- The anatomic shape design of posterior gives patient high chewing efficiency and easier contact between cuspids and grooved areas.



No compromise on quality

Made of double cross-linked resin (DCL)
Polymer and matrix are equally cross-linked
Higher wear resistance and compressive strength than PMMA

Multiple choices offering more possibilities

- 12xupper anterior moulds: S1, S2, S3, S4, T1, T2, T3, T4, O1, O2, O3, O4
- 4xlower anterior moulds: L1, L2, L3, L4
- 12xposterior moulds:
Standard: 31U, 31L, 33U, 33L, 35U, 35L;
Optional: 32U, 32L, 34U, 34L, 36U, 36L
- 16 A-D shades
- Bleach shades available at request

SPEC

- Anterior: 6x1x16/Box (6pcs/card, 16 cards/box)
- Posterior: 8x1x12/Box (8pcs/card, 12 cards/box)
- 28x1x4/Box (4 sets/box)



Four-Layer Composite Resin Teeth

Extra hard resin brings a nice hand feeling and higher wear resistance.

Remarkable quality standards

High grinding resistance
Excellent performance in grinding resistance and stain-resistance
Hardness over 40HV0.2V

Applications

Making removable full or partial denture
Making implant-supported denture

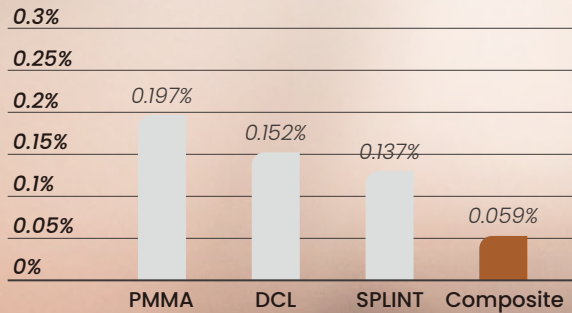


Satisfactory aesthetic result

Smooth and shiny surface after been re-polished
Four layers lifelike anterior with internal mamelons' design
Tapering, Combination and Short Square of different sizes for choice
Shades similar to well-known popular composite teeth

Abrasion Resistance

Weight loss rate after 60,000 cycles with resin abrasives^[2]



[1] : Test Report, HUGE Dental, 2024
[2] : Third-party Test Report, 2024



Multiple choices offering more possibilities

- 9×upper anterior moulds: T4, T5, T6, C4, C5, C6, SS4, SS5, SS6
- 9×lower anterior moulds: T4, T5, T6, C4, C5, C6, SS4, SS5, SS6
- 6×posterior moulds: 28U, 28L, 30U, 30L, 32U, 32L
- Classical shades: A1, A2, A3, A3.5

SPEC

- Anterior: 6×1×16/Box (6pcs/card, 16 cards/box)
- Posterior: 8×1×12/Box (8pcs/card, 12 cards/box)

Four-Layer Patented SPLINT Resin Teeth

Premium hard teeth line designed according to Asian tooth shape.

Applications

Making removable full or partial denture

Overall natural beauty

4 layers color rendering with life-like moulds
Keep crystal clear after grinding and polishing
Various moulds catering for Asian face shapes

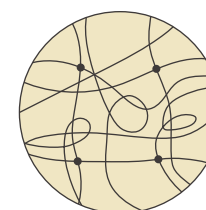
Multiple choices meet your needs

- 10xupper anterior moulds: SS1, SS2, SS3, SS4, T2, T3, C1, C2, C3, C4
- 10xlower anterior moulds: SS1, SS2, SS3, SS4, T2, T3, C1, C2, C3, C4
- 6xposterior moulds: 28SU, 28SL, 30MU, 30ML, 32MU, 32ML
- Popular international shades: A2, A3, A3.5

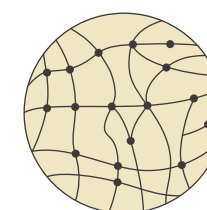
Proven material and impressive performance

Good stain resistance
Keep crystal clear after grinding and polishing
Hard resin teeth with good wear-resistance
Extra hard teeth integrate patented pre-polymerized **SPLINT*** filings renowned for superior bonding strength compared to conventonal composite resin

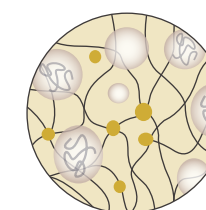
*SPLINT combines PMMA monomer with micro-diameter filler to achieve higher structural strength than conventional PMMA structure.



PMMA Polymer

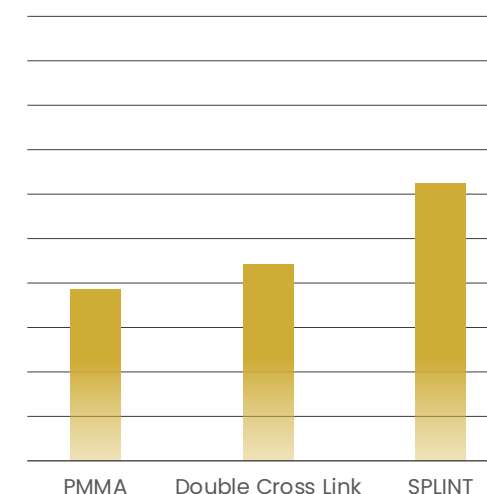


DCL Polymer

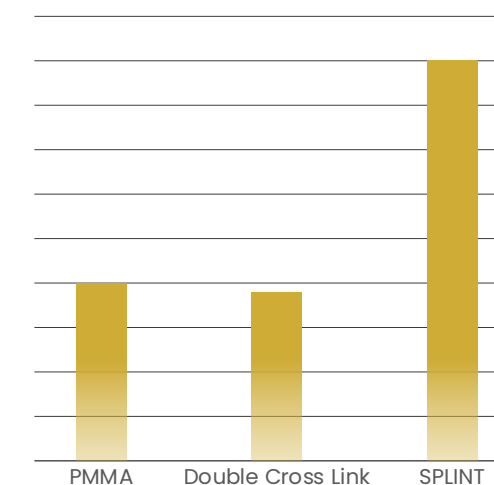


SPLINT

Vickers Hardness^[1]



Wear Resistance^[2]



Better stain resistance, easier daily maintenance

SPEC

- Anterior: 6x1x16/Box (6pcs/card, 16 cards/box)
- Posterior: 8x1x12/Box (8pcs/card, 12 cards/box)
- Full set: 28x1/Box



[1] [2] : Test Report from Third-Party Agency, 2024

Three-Layer Double Cross Linked Teeth

Same shapes as premium MAIST teeth line, simplified production process but more affordable.

Applications

Making removable full or partial denture
Making implant-supported denture

Close to natural vividness

Three-layer appearance
Lifelike surface texture
Shiny and translucent incisal
Harmonious shading transition when set up teeth

Optimized for function

Wide neck form to cover individual structural elements
Harmonious enamel layer around to allow free custom adjustment
Mechanical de-edging produces perfect and translucent flanks

Functional occlusion

Universally adaptable for all concepts of occlusal patterns
Easy and intuitive set-up with occlusion designed by the cogwheel principle
Efficient set-up with precise and easy-to-find centric design



Concentrate on performance

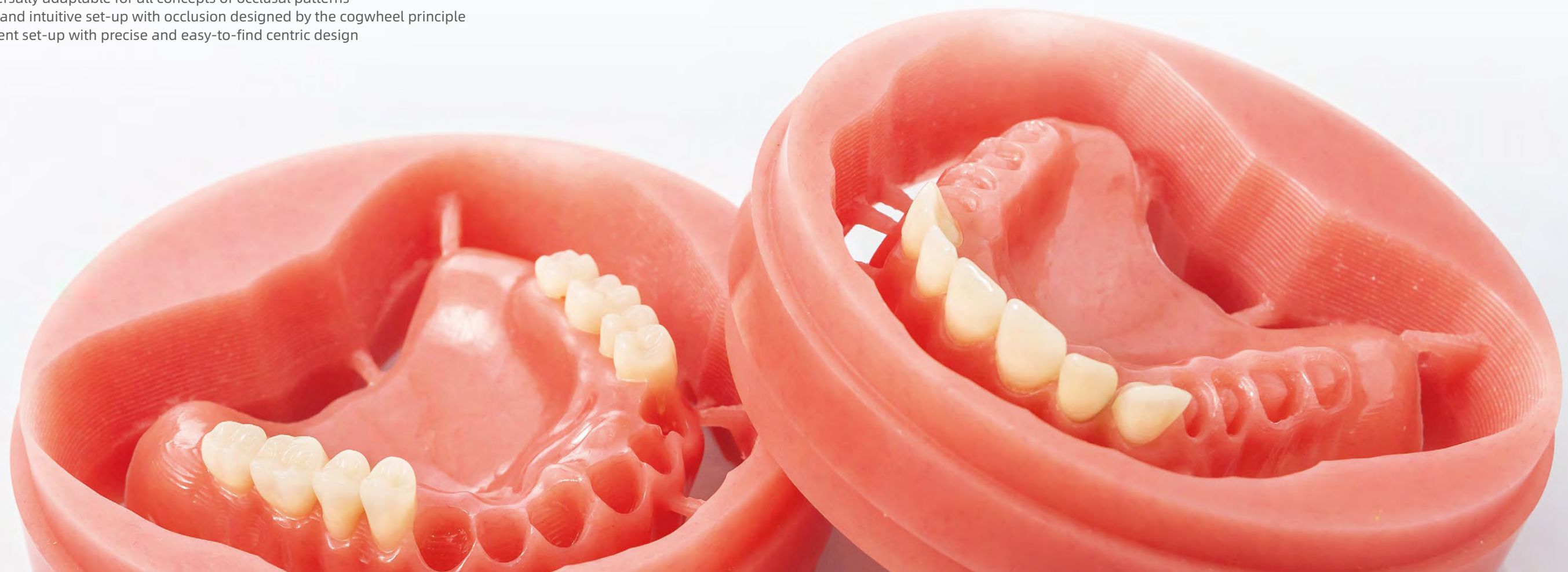
Denser material structure
Higher molecular weight
Better wear-resistance and stain-resistance than conventional PMMA

Moulds and shades

- 12xupper anterior moulds: S1, S2, S3, S4, T1, T2, T3, T4, O1, O2, O3, O4
- 6xlower anterior moulds: L1, L2, L3, L4, L5, L6
- 8xposterior moulds: 30U, 30L, 32U, 32L, 34U, 34L, 36U, 36L
- Classical 16 A-D shades
- Bleach shades available at request

SPEC

- Anterior: 6x1x16/Box (6pcs/card, 16 cards/box)
- Posterior: 8x1x12/Box (8pcs/card, 12 cards/box)
- Full set: 28x1/Box (1 full set)



Three-Layer Double Cross Linked Teeth

Well-loved teeth line with large moulds selection.

Applications

Making removable full or partial denture

Aesthetically pleasing appearance

Classic three-layer effect
Natural and clear texture on each side
Shiny and smooth enamel surface
Popular square, tapering and ovoid shape

Functional basis

Multi-functionally designed occlusal plane, suitable for common occlusions
Concave ridge lap design, better bonding strength to the denture base
Anatomical forms of cusp angle of 28°, offering higher chewing efficiency

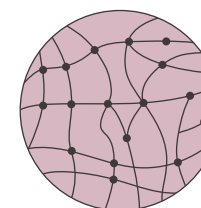
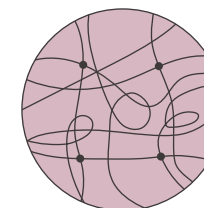


Moulds and shades

- 15×upper anterior moulds:
S2, S3, S4, S5, T1, T3, T4, T5, T6, T7, T9, T11, T12, O5, O8
- 10×lower anterior moulds:
L1, L2, L3, L4, L5, L6, L7, L8, L11, L14
- 8×posterior moulds:
30U, 30L, 32U, 32L, 34U, 34L, 36U, 36L
- 16 A-D shades
- Bleach shades available at request

Performance Features

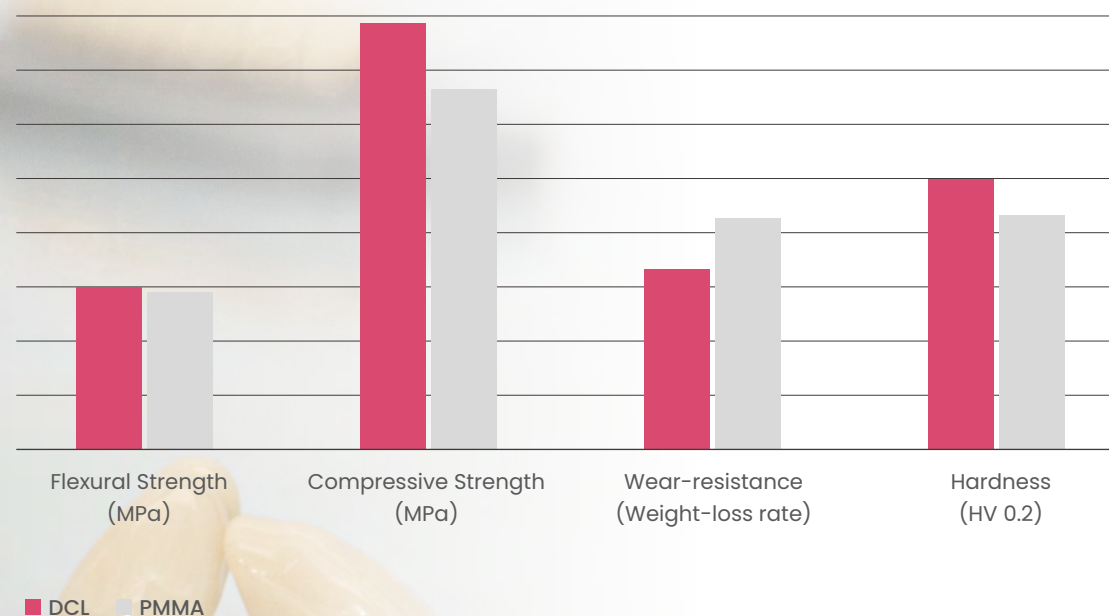
All layers are made from highly cross-linked material (DCL)
More extensive network of bonds
Better wear-resistance and stain-resistance than PMMA
High flexural strength produces hard but not brittle teeth



PMMA Polymer

DCL Polymer

Performance of DCL Material^[1]



SPEC

- Anterior: 6×1×16/Box (6pcs/card, 16 cards/box)
- Posterior: 8×1×12/Box (8pcs/card, 12 cards/box)
- Full set: 28×1/Box
- 28x1x4/Box (4 sets/box)

[1]: Test Report, HUGE Dental Official Laboratory, 2024



Two-Layer Double Cross Linked Teeth

Popular teeth line provides reliable quality and multi-functional shapes.

Applications

Making removable full or partial denture

Classic design brings natural beauty

Two-layer design with lifelike effects
Familiar moulds elevate work efficiency
Patented no wax tooth card, easy to use

Functional and multiple solutions

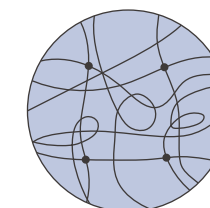
Tooth moulds digitally available
Posteriors available in 33°, 20° and 28°
Large mould selection with Square, Ovoid, and Tapering

Rich options to meet individuality

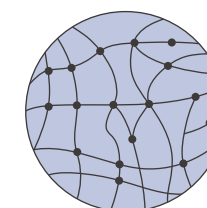
- 14×upper anterior moulds:
S1, S2, S3, S4, T2, T3, T4, T5, T6, O1, O3, O4, SS3, SS4
- 11×lower anterior moulds:
L2, L3, L4, L5, L6, L7, L8, L9, L10, L12, L13
- 16×posterior moulds:
30MU, 30ML, 32MU, 32ML, 34MU, 34ML, 30SU, 30SL, 32SU, 32SL, 229U, 229L, 231U, 231L, 233U, 233L
- 16 A-D shades

Enhanced quality

PMMA anterior moulds and DCL posterior moulds
Minimum water absorption and better wear-resistance
Uneasy to be out of shape and colored after processed
Multiple thermal press molding technology

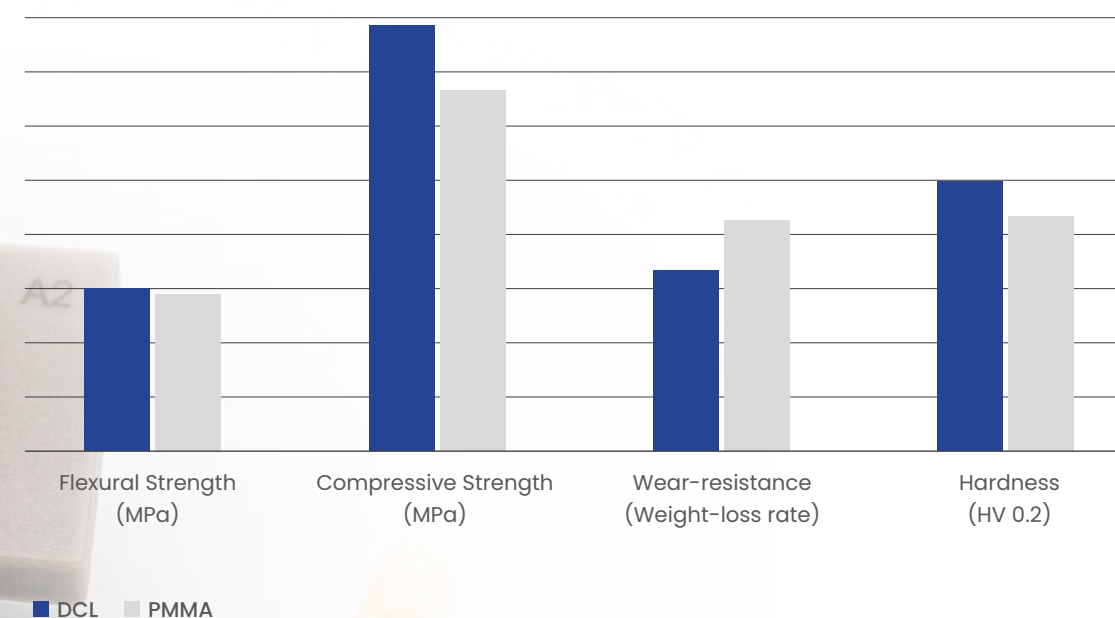


PMMA Polymer



DCL Polymer

Performance of DCL Material^[1]



SPEC

- Anterior: 6×16/Box (6pcs/card, 16 cards/box)
- Posterior: 8×12/Box (8pcs/card, 12 cards/box)
- Full set: 28×1/Box (1 full set)
- 28×1×4/Box (4 sets/box)

[1]: Test Report, HUGE Dental Official Laboratory, 2024

Two-Layer PMMA Teeth

Cost-effective teeth with decades of clinical experience.

Applications

Making removable full or partial denture

Must-see features

- Two layer performance and multiple moulds
- Labeling patent technology without wax, convenient to use
- Reasonable price and good quality
- Over 30-year experience in clinical use

Functional description

- New moulds 30S and 32S with preformed holes
- Large mould selection ,high individuality

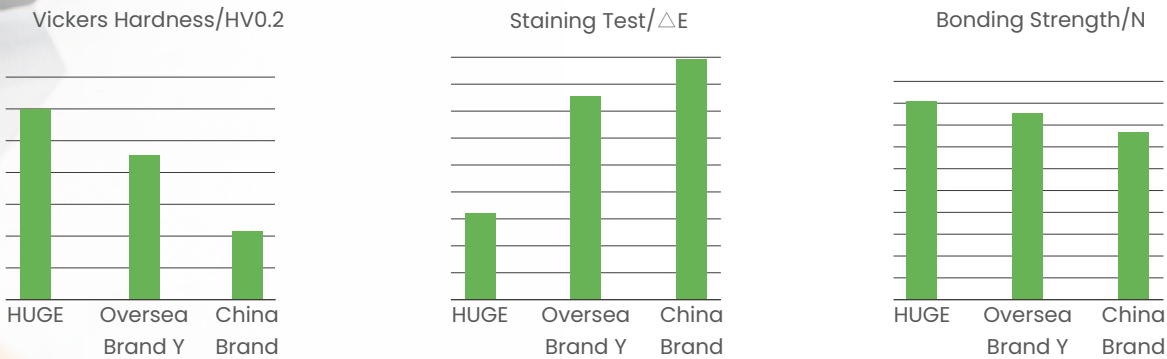
Moulds and shades

- 9xupper anterior moulds: T2, T4, T6, T8, T10, S2, S4, S6, S8
- 5xlower anterior moulds: L2, L4, L6, L8, L10
- 12xposterior moulds: 30U, 30L, 30SU, 30SL, 32U, 32L, 32SU, 32SL, 34U, 34L, 36MU, 36ML
- 16 A-D classical shades
- Bleach shades A0, A00
- Shade customization available

Foundation of great performance

- Made from high-quality PMMA material added with cross-linking agents
- Minimum water absorption and better wear-resistance
- Uneasy coloring and anti-aging ability
- Clinical proven quality
- Multiple thermal press molding technology

Physical Property^[1]



SPEC

- Anterior: 6×1×16/Box (6pcs/card, 16 cards/box)
- Posterior: 8×1×12/Box (8pcs/card, 12 cards/box)
- Full set: 28×1/Box (1 full set)
- 28x1x4/Box (4 sets/box)

[1]: Test Report, HUGE Dental Official Laboratory, 2024

Two-Layer Double Cross Linked Teeth

Special teeth line of only posterior teeth including LOP*, 10° and 0° posteriors and can be combined with anteriors from other series.

Applications

Making removable full or partial denture



*LOP refers to Long-Centric Occlusal Pattern design by Prof. Jun XU, which can be applied to patients with severe resorption of alveolar bone and very flat alveolar ridge. It can significantly improve the retention of complete denture and realization of masticatory efficiency.

Functional design

Simple to finalize the occlusion
Easy to adjust the occlusion
Comfortable wearing & low revisiting rate
Protect the alveolar ridge effectively; improve patients' life quality

Application range

Flat residual ridge; sever alveolar bone resorption
Wide mismatch in the mandibular arch relationship; the unilateral anti-jaw is over 10 mm.
Maxillo-Mandibular Relationship is not stable and even cannot be identified.
All lining mucosa transforming appears in the stress-bearing area.
All patients who are suitable for anatomical occlusion.
Complete implant covers complete denture repairing.

Occlusal Adjustment Methods

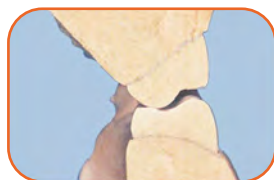
- For centric occlusion, adjust the cusp not fossa. Three contact points on one side is fine, but with four points is best.
- For protrusive occlusion, adjust fossa incline not the tooth cusp, it can be only one contact point on both sides of the posterior.
- For lateral occlusion, adjust fossa wall not cusp. It is ok when two contact points of both working side and balancing side respectively make contact.



Centric occlusion
(left side)



One cusp & one slope
on the working side of
Lateral Occlusion



Centric occlusion
(right side)



One cusp & one slope
on the balancing side
of Lateral Occlusion

Multiple solutions

- 6×LOP posterior moulds: 28MU, 28ML, 30MU, 30ML, 32U, 32L
- 6×0° posterior moulds: 029U, 029L, 031U, 031L, 033U, 033L
- 6×10° posterior moulds: 130U, 130L, 132U, 132L, 134U, 134L

SPEC

- Posterior: 8×1×12/Box (8pcs/card, 12 cards/box)



Artificial Teeth Accessories

Two-Layer Shade Guide

Shade Guide for HUGE 2-layer/3-layer
Denture Teeth



Four-Layer Shade Guide

Shade Guide for HUGE 4-layer/5-layer
Denture Teeth



Teeth Living Mould Guide

Used to display all moulds and shades
across each tooth series



Teeth Cabinet

Capacity	180 cards for anteriors and 120cards for posteriors
Dimension	32cm (deep) x 30cm (wide) x 40cm (height)



DENTURE BASE POLYMERS



Fast Heat Curing Type

20-min

fast curing saves your time and energy!

Unbreakable

No fracture appears when testing sample be free to fall to the ground for 3 times at 2m height

Shrink-resistant

Good stability after curing ensures the accuracy of duplicates

No Bubbles

High qualified rate of finished products with no obvious bubbles

Natural and lifelike

Addition of bionic veined pigment achieves a natural and lifelike appearance

High quality raw material

- The main raw material is high-quality PMMA resin powder with high-molecular weight and very small particle size
- The features above deliver high strength, fine texture and excellent performance of the material

Technical specifications	
Dough time	15 minutes
Working time	10 minutes
Curing time	20 minutes at 100°C
Mixing ratio	1ml: 2.4 g powder

Flexural strength (Mpa)^[1]



[1] : Test Report, HUGE Dental Official Laboratory, 2022

Traditional Heat Curing Type

Stable quality

delivers satisfactory final results!

- Pliable texture
- Abundant shade options
- Shrink-resistant
- Natural aesthetics

Technical specifications	
Dough time	15 minutes
Working time	10 minutes
Curing time	90 minutes
Mixing ratio	1ml liquid: 2.34g powder

Self Curing Type

No heating required

types brings elevated efficiency.

- No heating required
- No bubbles
- Natural and lifelike
- Time-saving operation
- Various shades targeting individual cases



Technical specifications	
Dough time	15 minutes
Working time	10 minutes
Curing time	16-20 minutes
Mixing ratio	1ml liquid (monomer): 2.2 g powder (polymer)

Storage

- Store the product in the ventilated area and avoid fire, high temperature and direct sunlight.
- Shelf life: powder: 3 years, liquid: 2 years

Powder

- 100g/bag, 10bags/box
- 1000g/can
- Liquid: 500ml/bottle



Shade



DUPPLICATION SILICONES

GumEasy™

A-Silicone for Gingival Mask

Artificial gum silicone with both elastic and rigid types

Dental Implant Solution

Your workflow with **GumEasy™ A-Silicone for Gingival Mask**

HUGE is committed to creating the perfect implant restoration results, with a complete range of materials from clinical products to laboratory materials. HUGE provides you with high-quality, innovative and cost-effective dental implant solutions that can meet all your aesthetic needs. It's highly recommended to reproduce gingival morphology on models in implant applications for improving the accuracy of implantation.

We promise to bring:

- Precise impression results ✓
- Comfortable prosthesis ✓
- Long-lasting and aesthetic restoration ✓

Impression Taking

01 PERFIT Impression Silicone & Light Curing Tray

Model Fabrication

02 A-Silicone for Gingival Mask

Temporary Restoration

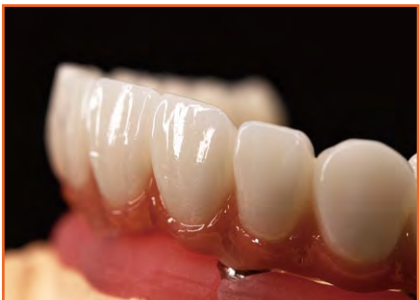
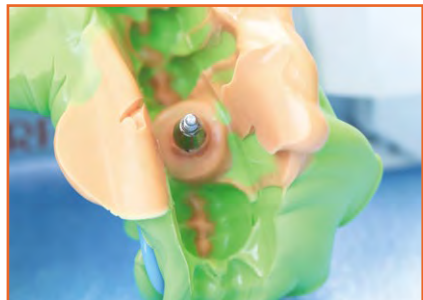
03 HUGE Multilayer PMMA BLOCK

Final Restoration

04 HUGE Zirconia Block

Bonding System

05 HUGE Dental Restorative Materials



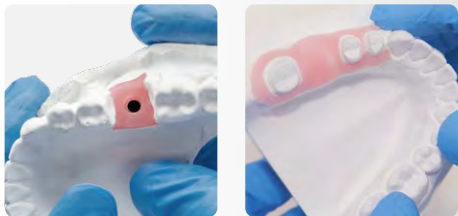
Main Usage Scenario

Applied to implant restoration process
Applied to crown and bridge restoration process



Advantages

- Precise detail reproduction
- High mechanical strength
- Excellent esthetic results
- Compatible with various techniques (direct and indirect)
- Hard type is suitable for CAD/CAM process



Fluidity

Soft (H)

Soft (Former)

Soft (L)

Hard

Recommended Application Scenarios		
Product type	Recommended in the presence of undercuts	Recommended in the presence of implants
A-Silicone for Gingival Mask (Hard Type)	★★☆	★★★★
A-Silicone for Gingival Mask (Soft Type)	★★★★	★★★★

Technical features ▼

Product	Mixing ratio (Base: Catalyst)	Working time* (min:s)	Setting time* (min:s)	Hardness (Shore A)	Scannable without sprays	Workable with a bur
GumEasy HARD	1:1	1:30	10:00	70	✓	✓
GumEasy SOFT (High Fluidity)	1:1	1:30	10:00	40		✓
GumEasy SOFT (Low Fluidity)	1:1	1:30	10:00	40		✓

Packaging

Types	Description
Standard	 (2×50ml)
Elite kit	 (2×50ml+12 mixing tips+12 intraoral tips+1*10ml dental separator for silicones)



GumEasy™

Shore A 40&70

Available, Scannable



Main Usage Scenario

Duplicating complete or partial denture models
Making temporary prosthetic works
Creating artificial gingiva on the model
Matrix for esthetic veneer restoration

Advantages

- Easy mixing ratio 1:1
- High detail replication
- Reliable dimensional stability over time
- Resistant to high temperature



Technical Dat

Mixing ratio	Mixing time*	Total working time*	Setting time*	Hardness	Color
1:1	30s	1 min 30s	8 min	Shore A 85	Blue/Light Blue

* The specified times may vary depending on the operating temperature and technique.

Packaging

Types	Description
Standard tub	 (5kg tub Base+ 5kg tub Catalyst)
Standard can	 (450g can Base + 450g can Catalyst)



Main Usage Scenario

Duplicating complete or partial denture models
Making temporary prosthetic works
Creating artificial gingiva on the model
Matrix for esthetic veneer restoration

Advantages

- Excellent dimensional stability
- Precise detail reproduction
- Available in diverse hardness:Shore A 85 and Shore A 90

Technical Data

Mixing time*	Total working time*	Setting time*	Hardness	Color
30s	2 min	7 min	Shore A 85/Shore A 90	Gray Pink

* The specified times may vary depending on the operating temperature and technique.

Packaging

Types	Description
Standard big tub	  x5 (10kg tub Base+ 5*40g tube Catalyst)
Standard medium tub	  x2 (5kg tub Base + 2*40g tube Catalyst)
Sample can	  (50g can Base + 3g tube Catalyst)



LIGHT CURRING TRAY & UNIT



Light Curing Tray

Well-performed custom material meets your individual needs.

Applications

Making individual trays
Making temporary base plates

Satisfactory performance

- Easy operation and fast setting
- High flexural strength and hardness
- Stable in shape during delivery
- Low deformation rate, hard to displace in mouth

Packaging



Standard package
50pcs / box



Trial package
2pcs / box

Variants



Shades available: pink,blue
Thickness available: 2.3mm, 2.0mm, 1.6mm

Light Curing Unit

Highly efficient light cure machine for setting Light Curing Tray.

Features

High polymerization capacity
Low maintenance

Technical data

- Light wave: 395nm
- Voltage available: 110V, 220V
- Timers available: 180s and 30 min

Packaging



Standard package
One unit/box

Flexural Strength
> 110MPa