

## LAB SOLUTION

Help professionals make digital prostheses and help  
patients regain lovely smiles

**HUGE**  
[www.hugedental.com](http://www.hugedental.com)



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v1.4-202601



# 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 the 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.



Certified

**33,000+m<sup>2</sup>**

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 designs 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

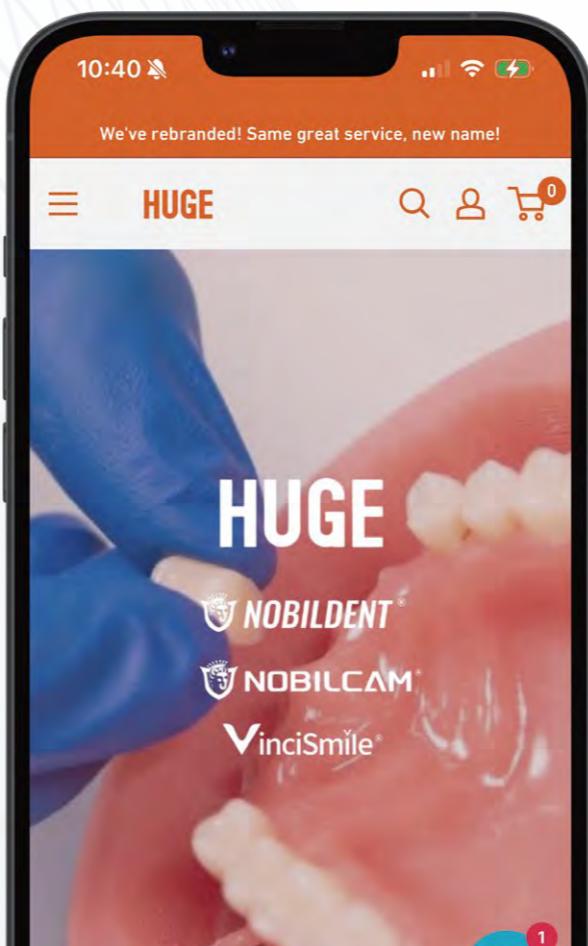
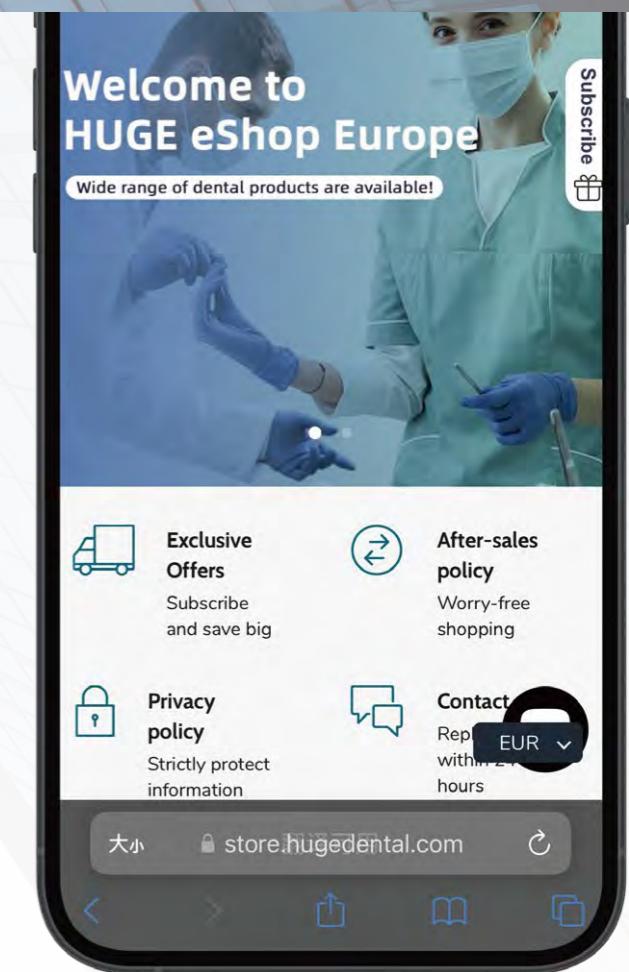
Established PT Huge Dental Indonesia to further expand our presence in Southeast Asia.  
Since 2024, HUGE Dental has launched a comprehensive range of digital dental equipment, offering a one-stop solution for digital dental labs and chairside applications.

# HUGE E-shop is Live!

E-Shop Europe:

[store.hugedental.com](http://store.hugedental.com)

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

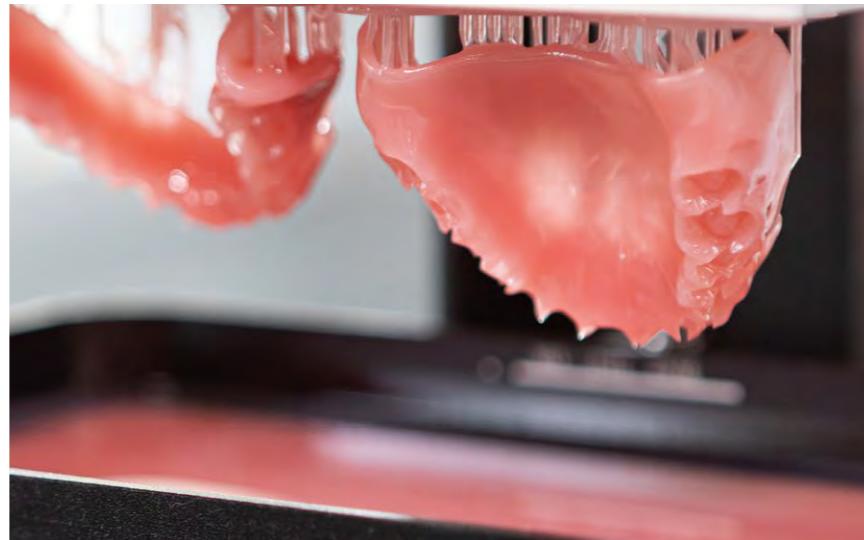


E-Shop USA & Canada:

[store.hugedentalusa.com](http://store.hugedentalusa.com)

- Special Offer
- Loyalty Points and Rewards
- Fast Shipping





# Automated Mass Production

Production Capacity of 250, 000 Teeth Per Day and 8,000,000 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.





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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 translucency, 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

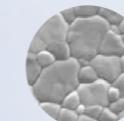


## Ideal for esthetic crowns, bridges and full-arch restorations

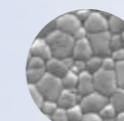
With 800-1200Mpa strength and a high translucency (up to 53%) optimized for esthetic crowns, bridges and even full-arch restorations, MM-4D zirconia solves almost all of the dental applications with more confidence. It is also qualified for cases with very limited space requiring ultimate strength.

### 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	53%	Layer 1-15%
≥850Mpa	51%	Layer 2-10%
≥900Mpa	50%	Layer 3-12%
≥950Mpa	49%	Layer 4-12%
≥1000Mpa	48%	Layer 5-12%
≥1050Mpa	47%	Layer 6-12%
≥1100Mpa	45%	Layer 7-12%
≥1200Mpa	43%	Layer 8-15%

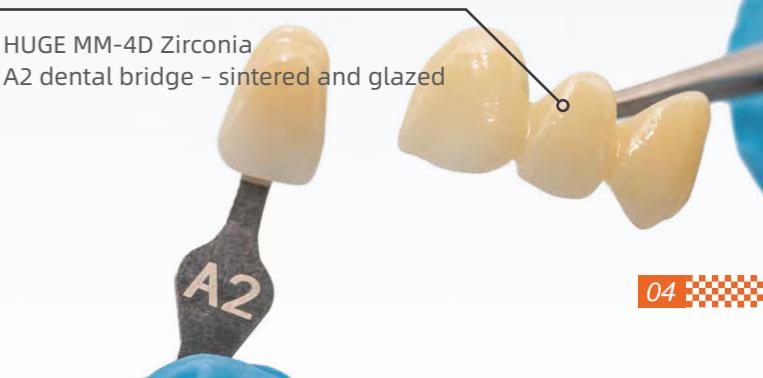


## Natural color match to VITA Classic shades

Available shades



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



# GM Zirconia Block

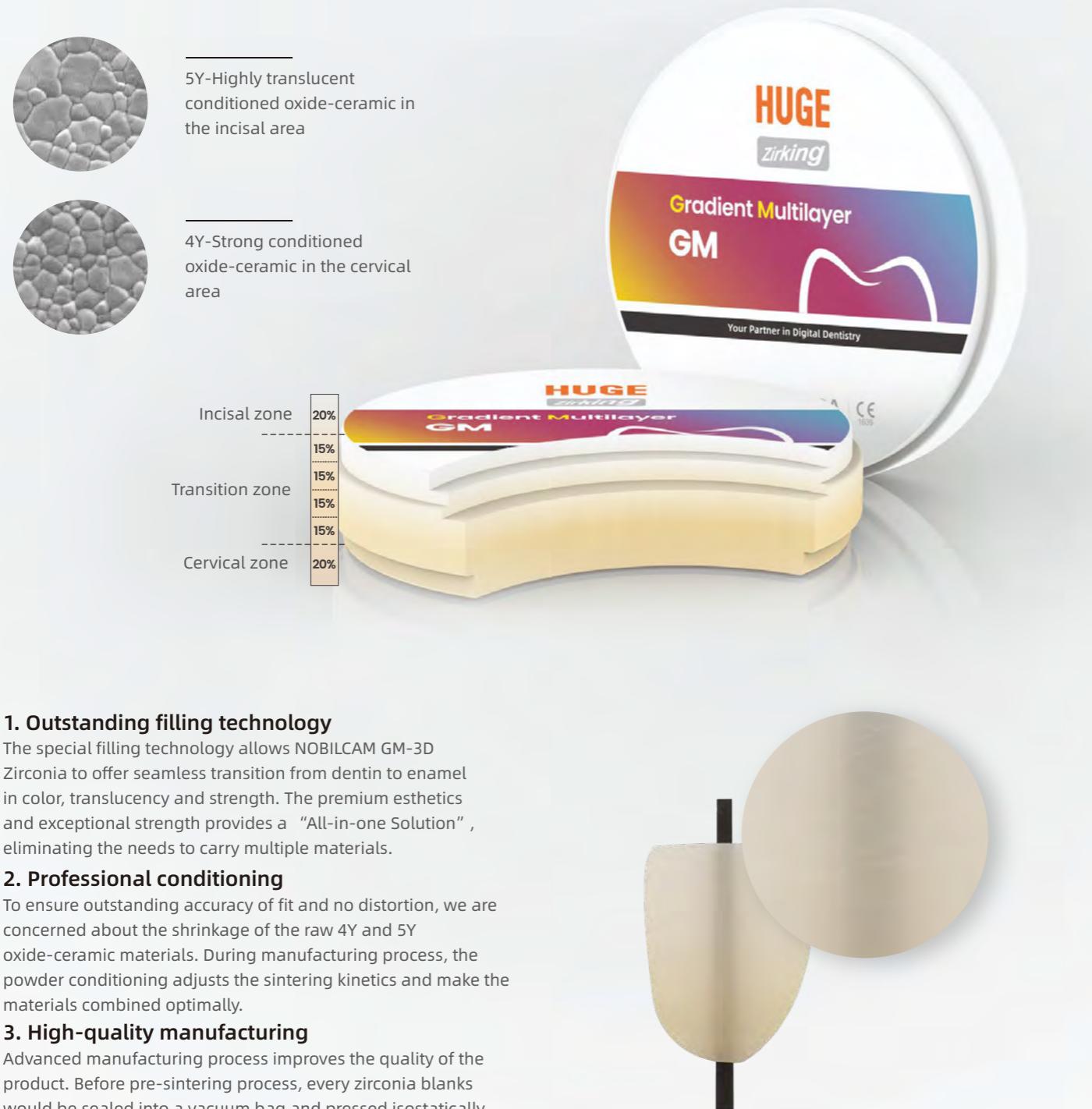
Gradient Multilayer provides you the ultimate aesthetic experience

## 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<sup>[1]</sup>

Flexural strength(3-point)	700-1050Mpa
Translucency	43%-57%
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

## Shade System



[1]: Data from HUGE Dental lab, 2025



# 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



# 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<sup>[1]</sup>

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

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

[1]: Data from HUGE Dental lab, 2025

[1]: Data from HUGE Dental lab, 2025

# AT Zirconia Block

## Anterior Translucency

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

## Recommended applications

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



# 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



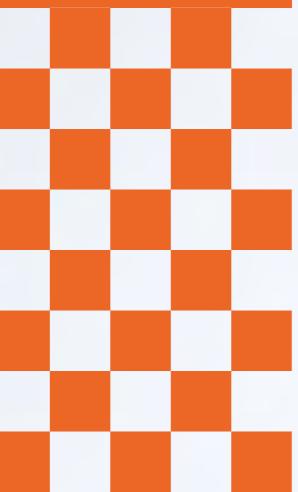
## Technical Data<sup>[1]</sup>

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

## Technical Data<sup>[1]</sup>

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

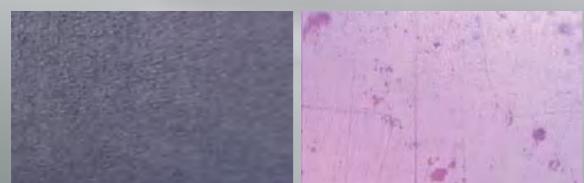
# MEDICAL RESINS



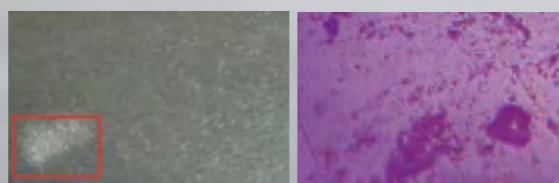
# PMMA BLOCK

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,



HUGE PMMA



Other Competitors

## Outstanding mechanical and chemical properties

HUGE PMMA BLOCK would improve your effectiveness during your fabrication. Its outstanding properties also make the milled prostheses last longer.

## Technical Data<sup>[1]</sup>

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

## 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)

[1]: Data from HUGE Dental lab, 2025



# 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

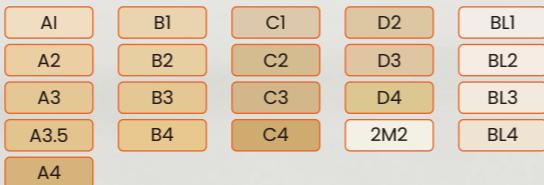
## Technical Data<sup>[1]</sup>

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



## Shades Available:

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



## Thickness:

10mm to 30mm



# 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 system φ98/φ100/φ104/φ108mm, Z-System φ95mm, AG-System φ89mm

## Thickness:

10mm to 30mm

## Technical Data<sup>[1]</sup>

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

## 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<sup>[1]</sup>

Properties	Parameter
Flexural Strength	> 120 Mpa
Modulus of Elasticity	> 2200Mpa
Water Absorption	< 20 $\mu$ g/mm <sup>3</sup>
Water solubility	< 0.8 $\mu$ g/mm <sup>3</sup>



# Pink PMMA BLOCK

- Excellent material for milling a denture base
- Easy to operate, stable and low water absorption, excellent biocompatibility
- High wear resistance for long-term uses

## Technical Data<sup>[1]</sup>

Properties	Parameter
Flexural Strength	> 120 Mpa
Modulus of Elasticity	> 2200Mpa
Water Absorption	< 20 $\mu$ g/mm <sup>3</sup>
Water solubility	< 0.8 $\mu$ g/mm <sup>3</sup>



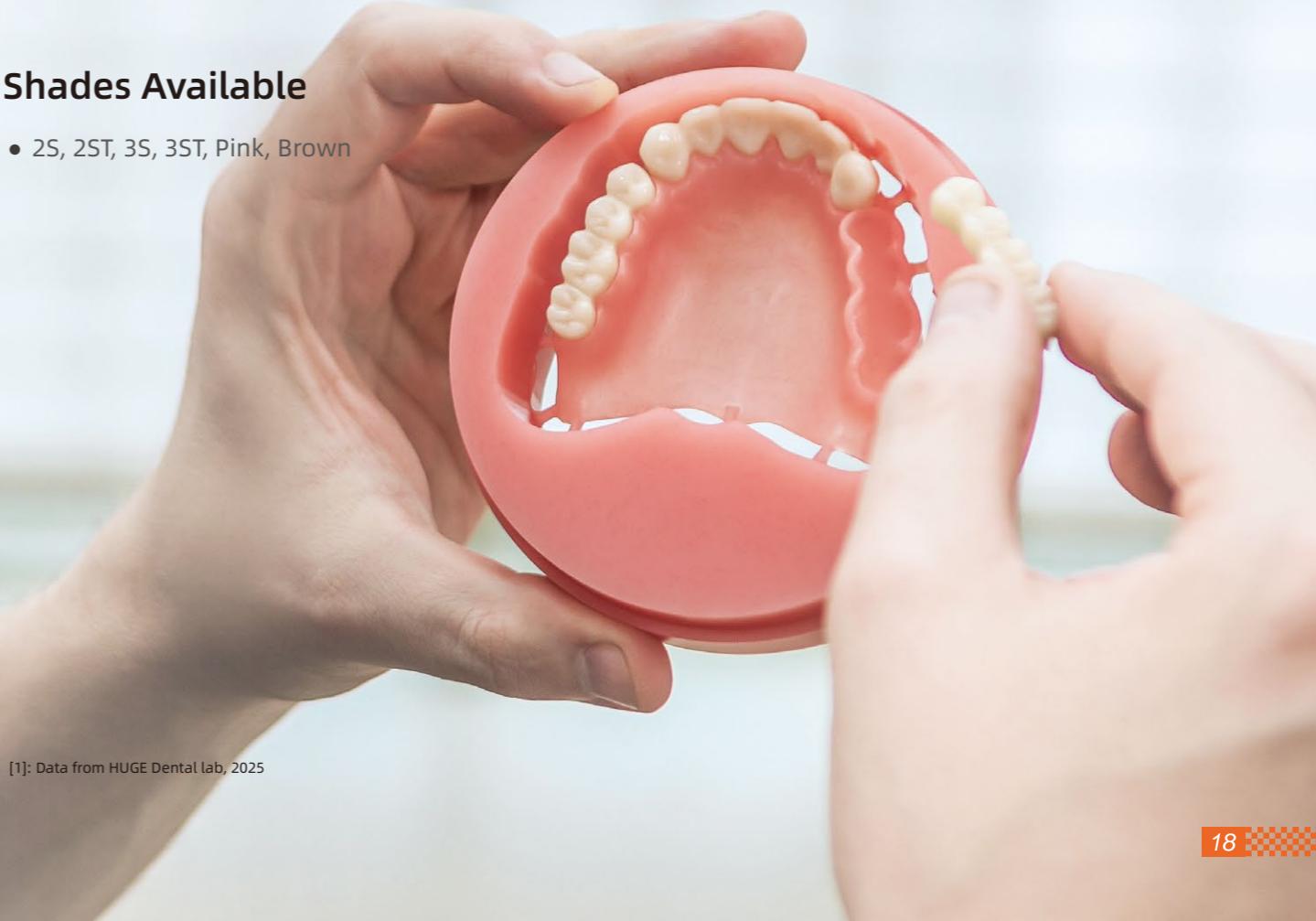
## Systems Available:

- Open system φ98/φ100/φ104/φ108mm, Z-System φ95mm, 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<sup>[1]</sup>

Properties	Parameter
Flexural Strength	> 120 Mpa
Modulus of Elasticity	> 2200Mpa
Water Absorption	< 20 $\mu$ g/mm <sup>3</sup>
Water solubility	< 0.8 $\mu$ g/mm <sup>3</sup>

## Shades Available:

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



# DuraPlex BLOCK

DuraPlex, our latest innovation in dental materials, designed to elevate your practice with superior hardness, durability, and aesthetics. As an advanced evolution of traditional PMMA, DuraPlex sets a new standard for dental solutions, combining cutting-edge technology with proven reliability.

- Enhanced hardness and strength compared to traditional PMMA
- Excellent long-lasting performance
- Increased wear resistance, maintaining its integrity and appearance over time

## Technical Data<sup>[1]</sup>

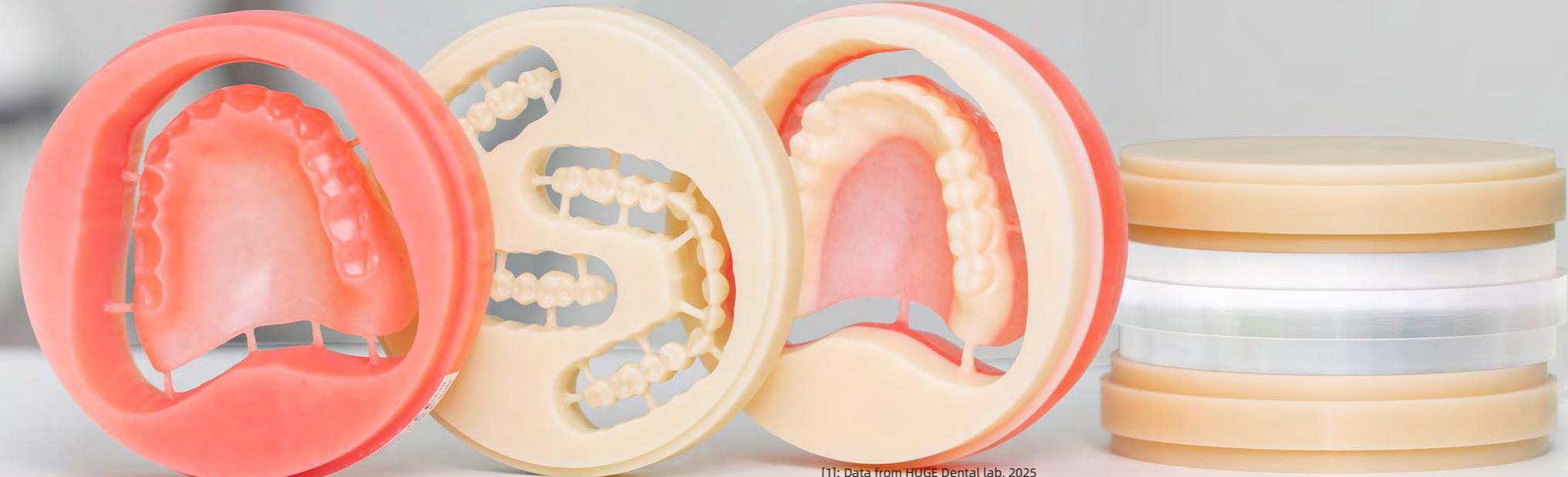
Flexural strength	140MPa
Modulus of elasticity	2400MPa
Hardness (HV0.2)	26
Water Absorption	25.6 $\mu$ g/mm <sup>3</sup>
Water solubility	0.2 $\mu$ g/mm <sup>3</sup>

\* Test data, HUGE Dental Official Laboratory, 2025



## Shades Available

- A1, A2, A3, B1, C2, BL1



[1]: Data from HUGE Dental lab, 2025

[1]: Data from HUGE Dental lab, 2025

# IMPAK Milling Disc

HUGE IMPAK is an acrylic material with unique physical properties, characterized by softening when heated and returning to its original hard state when cooled. This characteristic makes IMPAK more comfortable to wear inside the mouth than other materials.

## Easy operation & high efficiency

- Suitable for CAD/CAM
- Matched with various types of CAD/CAM equipment, with multiple sizes

## Excellent performance

- High tear resistance and stability
- Low water absorption and dissolution

## High patient comfort

- Softens with heat and has good intraoral adaptability
- High biological safety, MMA-free

## Clinical economy

- Reduce personnel manual operation
- Low cost

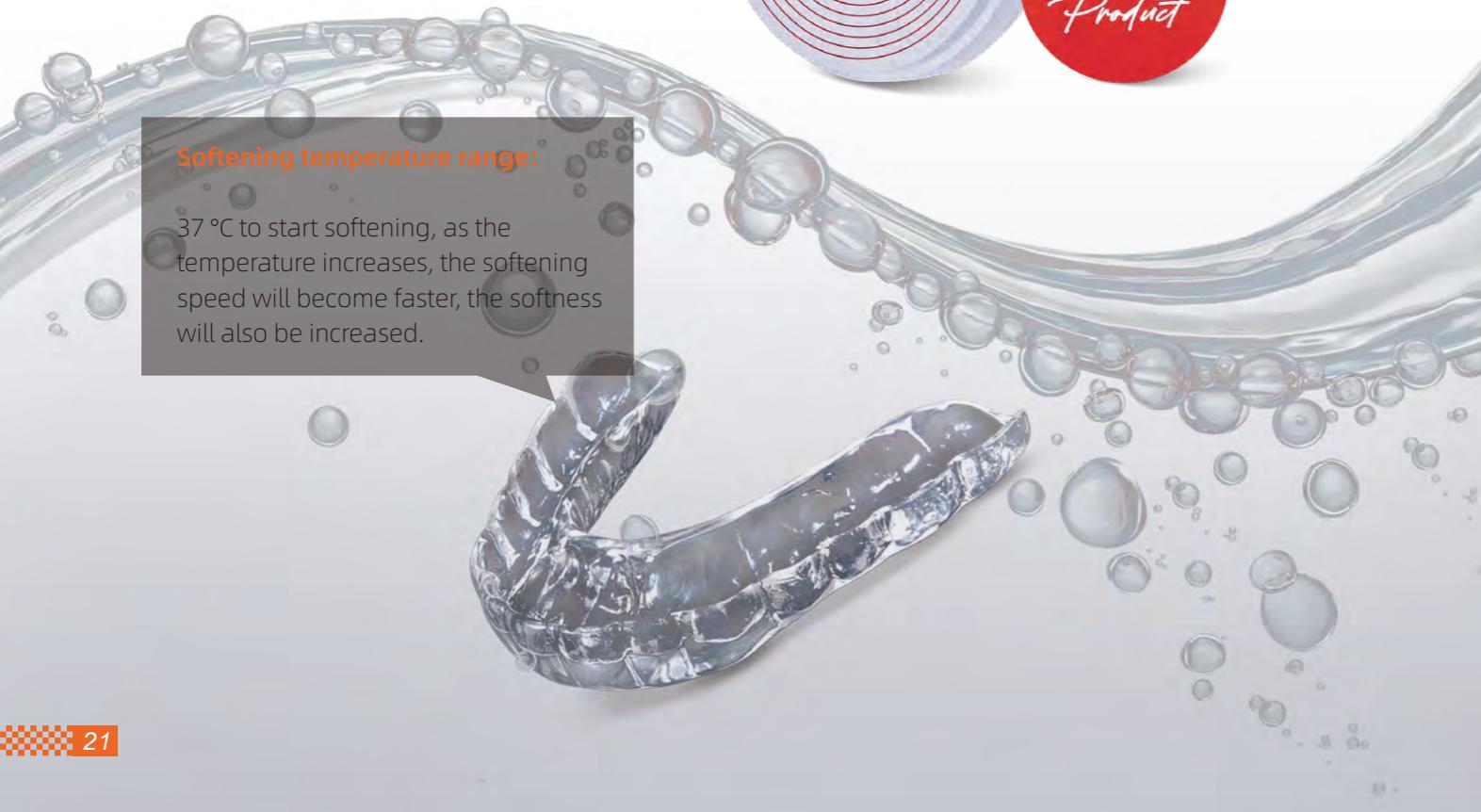


✓ **Bite splint**

✓ **Night guards**

✓ **Sport guards**

**Softening temperature range:**  
37 °C to start softening, as the temperature increases, the softening speed will become faster, the softness will also be increased.

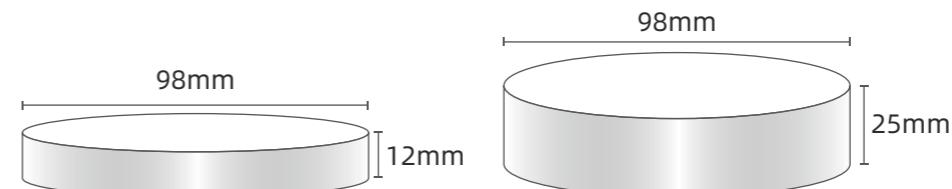


## Technical Parameters

Tensile Strength	>200 N/cm
Water Absorption	<32 µg/m³
Water Solubility	<5 µg/m³
HD	55-100

\* Test Report, HUGE Dental Official Laboratory, 2025

## Available size (Thickness 12mm-25mm):



**Shade:** Clear

**Storage:** Cool and dry

## Soft bite splint with thermoplastic flexibility



\*Fabricated from IMPAK Disc

[1]: Data from HUGE Dental lab, 2025

# 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<sup>[1]</sup>

Items	Technical Requirements
Tensile Strength	≥ 30Mpa
Elongation at Break	≥ 40%
Water Absorption	≤ 5%
Impact Strength	≥ 20K/m <sup>2</sup>
Flexural Strength	≥ 30Mpa
Flexural Modulus	≥ 1000Mpa

## Indications

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

[1]: Data from HUGE Dental lab, 2025



# Casting Wax

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



## OTHER CONSUMABLES





## Eternal Art Stain and Glaze

(Coming soon)

The Eternal Art Stain and Glaze is specially used to achieve the precise color control for layered staining of all ceramic restorations

### Efficient Staining

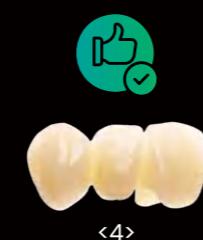
The stain contains glaze components, only one firing is required

### Silky-smooth handing

Balanced mobility, silky smooth paint feel and easy leveling

### Low temperature Baking

Can be used for glass ceramics after applying low-temperature porcelain.



## EternalArt Shade Solutions

### Dentine Shades



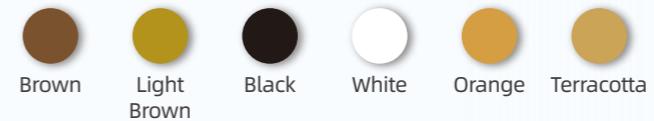
### Gingival Shades



### Incisal Shades



### Adjustment Shades



### Translucent



## Physical data

- CTE:  $10\pm0.5\times10^{-6}\text{K}^{-1}$
- Chemical Solubility:  $\leq100\ \mu\text{g}\cdot\text{cm}^{-2}$
- Flexural Strength:  $\geq50\text{MPa}$
- Transformation Temperature:  $480\pm20^\circ\text{C}$



# Eternal Art Stain and Glaze

(Coming soon)

## Eternal Art Stain&Glaze Product List

Product name	Specifications	Product name	Specifications
A	5g	Red	5g
B	5g	Black	5g
C	5g	Brown	5g
D	5g	Glaze	5g
Light Brown	5g	White	5g
Yellow	5g	Purple Grey	5g
Orange	5g	Blue	5g
Terracotta	5g	L1	20ml
Pink	5g	Brush	



## Baking Chart

### Crowns and bridges (≤3 units)

Initial temperature	Drying	Heating rate (°C/min)	Highest temperature	Heat preservation	Final temperature
450°C	6 min	45°C/min	750°C	3 min	650°C

### Bridges (>3 units)

Initial temperature	Drying	Heating rate (°C/min)	Highest temperature	Heat preservation	Final temperature
450°C	6 min	45°C/min	750°C	3 min	300°C

# Firing Paste

- Small Support, Great Protection



## Firing Paste

HUGE Firing Paste is a High-performance, Ready-to-use material for the fast and easy production of individual firing trays for a wide range of ceramic and zirconia restorations. ITS smooth, creamy consistency ensures stability and protection during high-temperature firing processes, preventing deformation, displacement, or discoloration of the restoration.



## Function Highlights

- ✓ Smooth Application
- ✓ Strong Support
- ✓ Heat Stability
- ✓ Preserved Aesthetics
- ✓ Residue-Free Removal
- ✓ Certified & Reliable

Easy to apply and remove, it is a must-have laboratory product that truly balances performance and cost-effectiveness.

# GuMimic Gingival Composite

Specially designed for denture restoration, peri-implant soft tissue simulation, and personalized gingival aesthetics.

GuMimic: 4g  
GuMimic-Flow: 2g



**True-to-Life Aesthetics**

- 13 customizable shades to precisely mimic natural gingival vasculature and color gradients
- Layered buildup technique for 3D chromatic effects

**Superior Mechanical Performance**

- Nano-hybrid filler system ( $\geq 75\%$  content) with high strength and exceptional polishability
- Best-in-class bond strength when paired with Hugebond adhesive system

**Unparalleled Handling**

- Dual-format system (paste and fluid available)
- Non-stick formula
- Papilla sculpting with probes

## Workflow of fabricating full denture

### — By pile dyeing



1. Sandblasting of the restoration to increase the contact area and clean the restoration surface after sandblasting



2. Apply composite bonding material (hugebond available)  
Lightcuring for 30s ( $400\text{nm} < \lambda < 500\text{nm}$ )



3. Apply the GuMimic in layers to create the gum color and shape, and then light cure it.  
Lightcuring for 3min ( $400\text{nm} < \lambda < 500\text{nm}$ )

4. Use rubber instruments to create the final form and texture. Apply oxygen layer inhibitors on the denture prior to final curing.



5. After curing, remove all cover gel from the surface. Once clean and completely dry, the composite can be polished or glazed or both

*Lifelike • Aesthetic • Strong*

## Recommended Color Applications



### Shade

LT (Light Translucent)

### Clinical Application

Modifies translucent gingival zones.

P Series (P1/P2/P3)

Simulates light pink gingiva (P1: Pink-1, P2: Pink-2, P3: Pink-3)

DR (Dark Red)

Replicates deep red gingiva.

DO (Dark orange)

Simulates orange-red gingival effects.

BR (Brown Red)

Creates localized brownish gingival tones.

PR (Purple Red)

Mimics purple-red vascular variations.

LR (Light Red)

Restores subtle red gingival highlights.

WT (White Translucent)

Represents alveolar bone/white crown bands (flowable version adjusts red shade opacity)

W (White)

For alveolar bone/white crown zones (flowable version modulates red tint intensity)

### NOTE:

Paste (GuMimic): High sculptability for structural buildup.

Flowable (GuMimic-Flow): Thin-layer adaptation and texture refinement.



## 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 GIRR BACH

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.

# 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



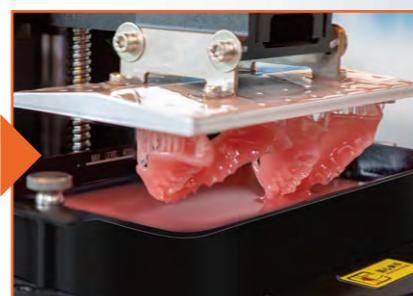
Deep integration with digital dentistry



01 >> Oral Scan



02 >> CAD Process



03 >> 3D Printing

i-Vinci Intraoral Scanners

HUGE Tooth Libraries available in **3shape** and **exocad**

NOBIL-3D Dental 3D Printer



06 << Satisfactory Result



05 << Digital Bonding



04 << Teeth Preparation

Bring Convenient Smiles

HUGE Self Curing Resin

HUGE Synthetic Polymer Teeth

# 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

# Digital Print Denture Solution

Less Labor, More Artistry



## Valuable Choice

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

## STEP 1

Impression

## Perfit Heavy Body & Light Body



High precision and good operation experience for great results.

## STEP 2

Milling Denture Base



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

## STEP 3

Bonding Carded Teeth



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

## STEP 1

Impression

## Perfit Heavy Body & Light Body



High precision and good operation experience for great results.

## STEP 2

Printing Denture Base



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

## STEP 3

Bonding Carded Teeth



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

## 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

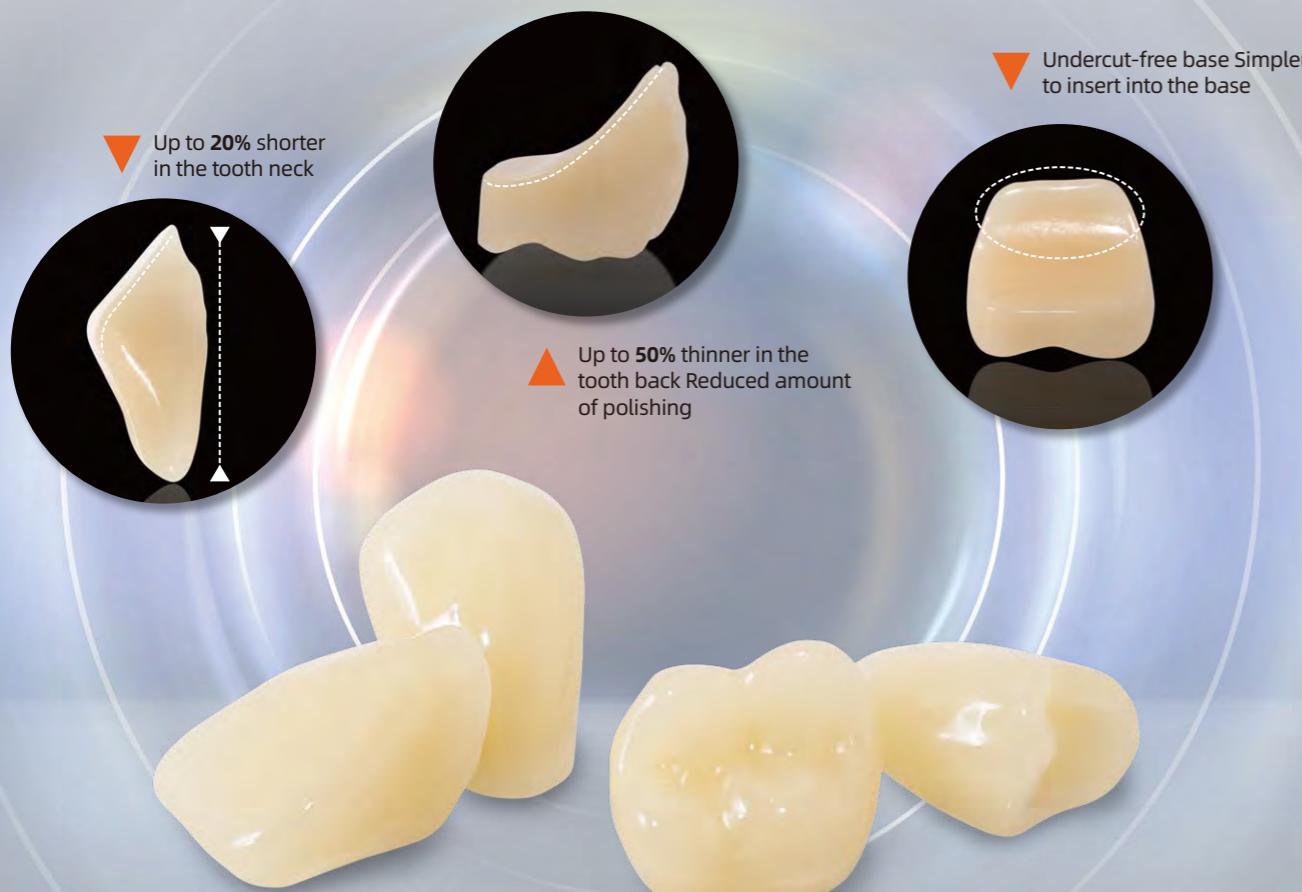
Good data homology for improved matching with print or engraved generated matrices  
Suitable for helping cases with small vertical distance(VD)  
Undercut-free basal design

### 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

- 6×upper anterior moulds: O5, S4, T3, T5, T6, T9
- 5×lower anterior moulds: L5, L6, L7, L8, L11
- 6×posterior moulds: 30U, 30L, 32U, 32L, 34U, 34L
- Classical shades: A1,A2,A3,A3.5,A4,B1,B3,B4 (Bleach shades available at request)

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

### 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)



**KAIPLUS COMP**  
Familiar Morphology and Enhanced Hardness

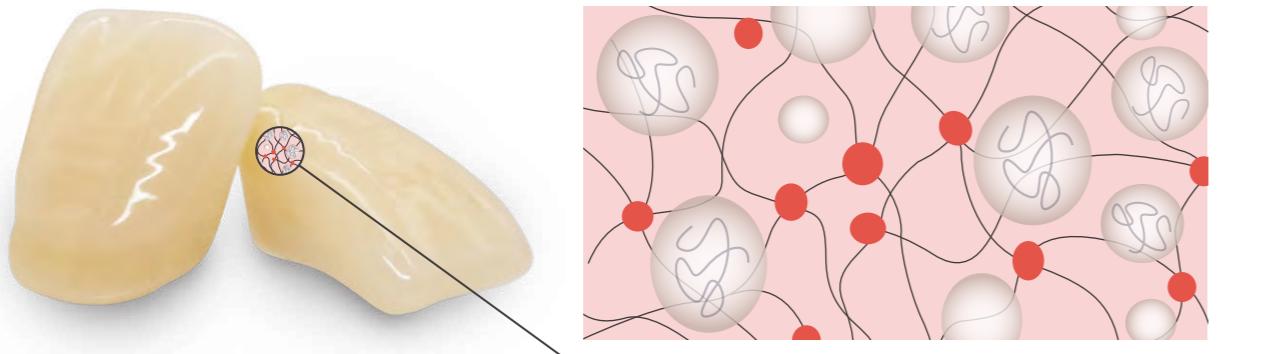
**KAIFENG COMP**  
Extra Hard Composite

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



### Durable Multilayer Structure

Innovative Technology for Extra Hard Teeth  
KAIPLUS & KAIFENG Composite Teeth are designed for aesthetic, long-lasting and functional dentures.



### 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. HUGE advanced mold technology extends enamel to the lingual side, enhancing overall strength while ensuring both beauty and practicality.

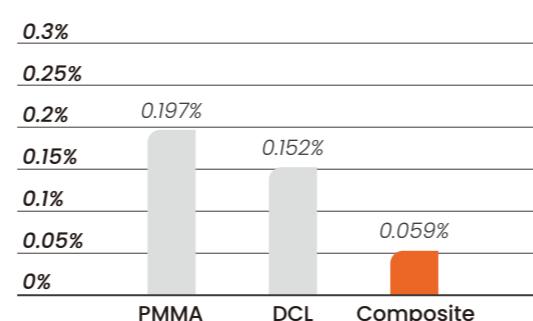
### Dentin Core & Back Incisal

High-quality PMMA  
Premium PMMA provides superior wear and stain resistance, with a natural incisal-to-cervical transition for a beautiful smile.

	PMMA	DCL	Composite <sup>[1]</sup>
<b>Hardness HV0.2</b>	18	22	40
<b>Compressive strength MPa</b>	313	370	380
<b>Flexural strength MPa</b>	120	130	138
<b>Modulus of elasticity MPa</b>	2235	2346	2580

### Abrasion Resistance<sup>[2]</sup>

Weight loss rate after 60,000 cycles with resin abrasives<sup>[2]</sup>



[1] : Test Report, HUGE Dental, 2024

[2] : Third-party Test Report, 2024

## You can expect from KAIPLUS & 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



### Product



KAIPLUS COMP  
(Asia)



KAIPLUS COMP  
(EU/NA)



KAIFENG COMP

### Material

Composite Resin

Composite Resin

Composite Resin

### Indications

Suitable for full, partial, and implant-supported prostheses

### Layering (Anterior)

4-layer

3-layer

2-layer

### Tooth Library



### Anterior Morphology

- Short Square
- ▲ Tapering
- ◆ Combination

- Square
- Ovoid
- ▲ Tapering

- Square
- Ovoid
- ▲ Tapering

### Posterior Cusp Degree

20°

28°

28°

### Packing

6\*16

6\*16

6\*16

### Shades

A1, A2, A3, A3.5

A1-A4, B1&C1

A2

### Remarks

Tooth shape is based on Mast-3 and the enamel layer is made of composite resin, higher translucency

Based on Sonnen tooth shape

## 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<sup>[1]</sup>

Flexural Strength	> 125MPa
Modulus of Elasticity	> 2300MPa
Water Absorption	< 15µg/mm <sup>-3</sup>
Water Solubility	0.3µg/mm <sup>-3</sup>



### 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
- Classical shades: 16 A-D (Bleach shade available at request)

### 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

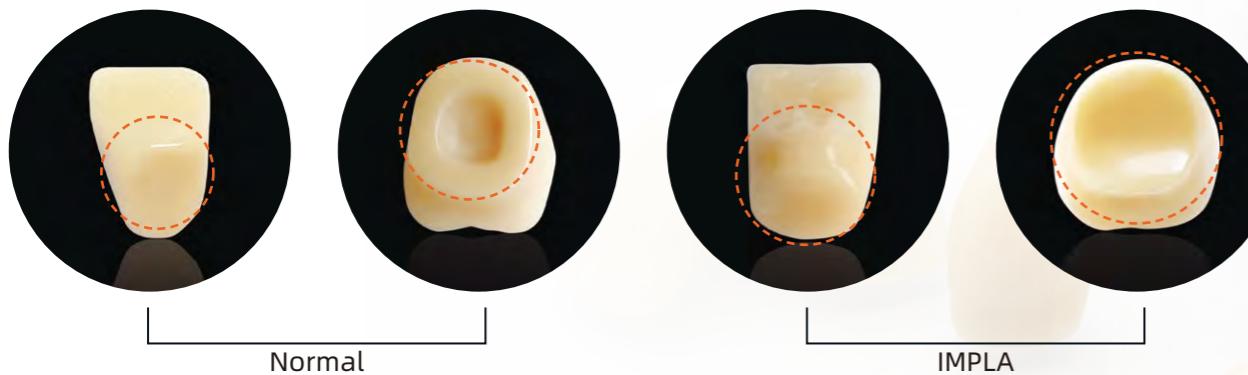


#### Impressive appearance

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

- 12×upper anterior moulds: S1, S2, S3, S4, T1, T2, T3, T4, O1, O2, O3, O4
- 4×lower anterior moulds: L1, L2, L3, L4
- 12×posterior 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: 6×1×16/Box (6pcs/card, 16 cards/box)
- Posterior: 8×1×12/Box (8pcs/card, 12 cards/box)
- 28×1×4/Box (4 sets/box)



## Four-Layer Composite Resin Teeth

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

### 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

### Multiple choices offering more possibilities

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

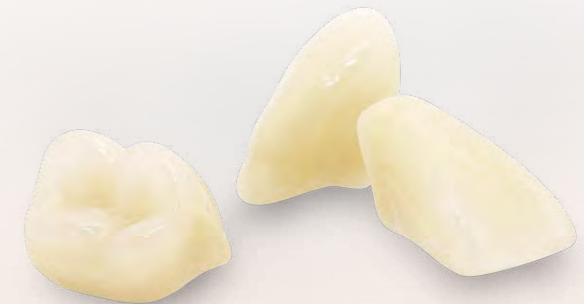
### SPEC

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

## Remarkable quality standards

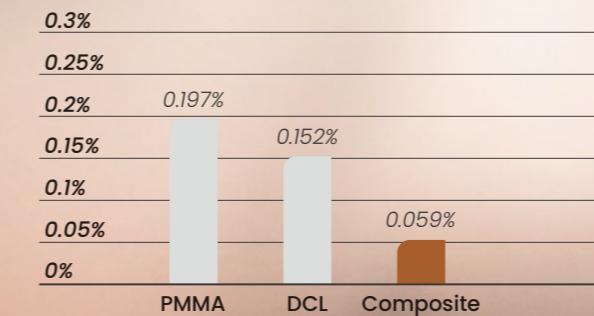
High grinding resistance  
Excellent performance in grinding resistance and stain-resistance  
Hardness over 40HV0.2V

	PMMA	DCL	Composite <sup>[1]</sup>
Hardness HV0.2	18	22	40
Compressive strength MPa	313	370	380
Flexural strength MPa	120	130	138
Modulus of elasticity MPa	2235	2346	2580



### Abrasion Resistance

Weight loss rate after 60,000 cycles with resin abrasives<sup>[2]</sup>



[1] : Test Report, HUGE Dental, 2024

[2] : Third-party Test Report, 2024

## Four-Layer DCL 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

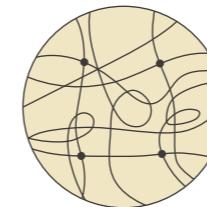
### Multiple choices meet your needs

- 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

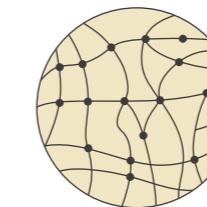


### Proven material and impressive performance

Good stain resistance  
Remains crystal-clear after grinding and polishing  
Hard resin teeth with good wear-resistance

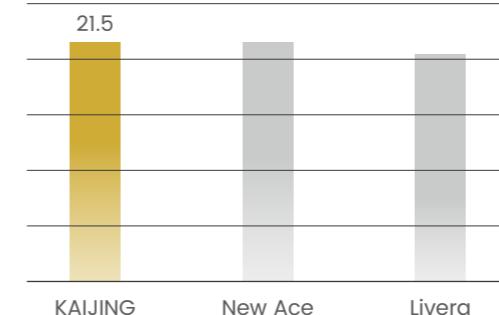


PMMA Polymer

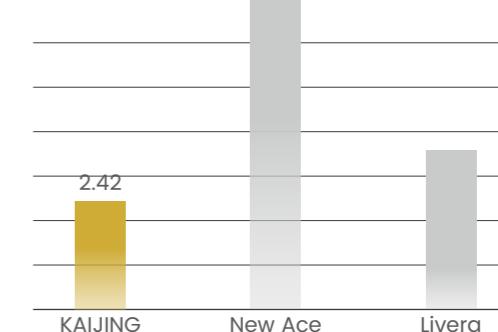


DCL Polymer

### Vickers Hardness/HV0.2<sup>[1]</sup>



### Post-Staining Color Change/Δ<sup>[2]</sup>



### 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] : Test Report from Third-Party Agency, 2024

[2] : Test Report from Third-Party Agency 2024. Using an 0.2% concentration of Monascus solution, immerse the sample in a 60°C constant temperature water bath for 24hours. Test the color change before and after immersion using a spectrophotometer, and take the color difference value.

## 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

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

### 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)



## 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

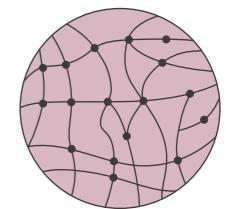
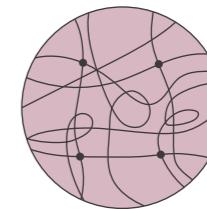


### Moulds and shades

- 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

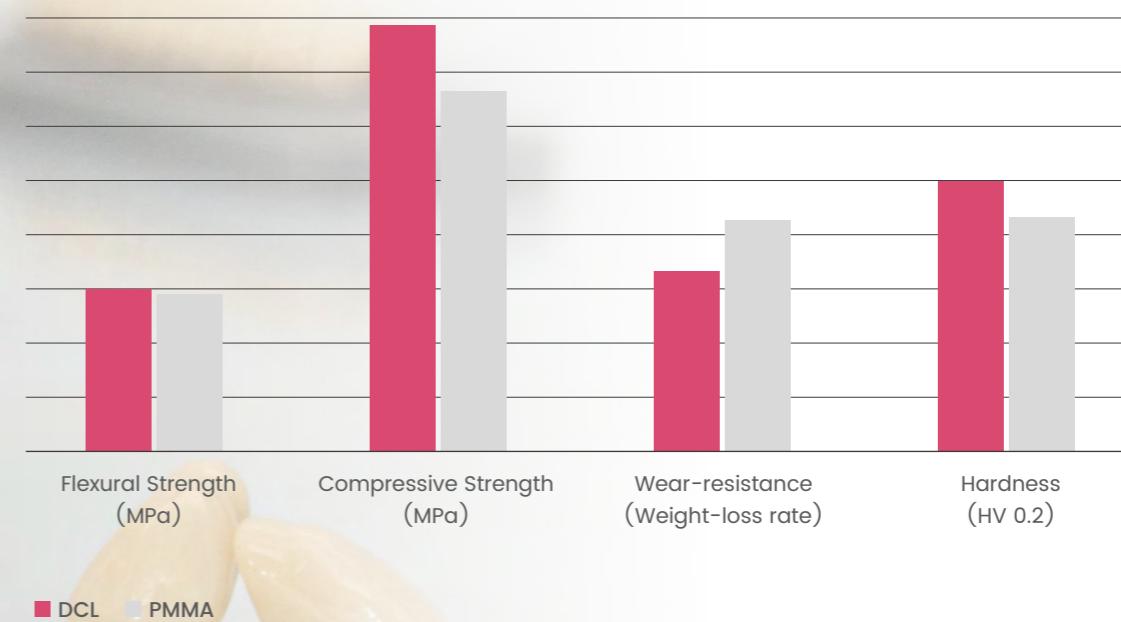
All layers are made from highly cross-linked material (DCL)  
More extensive network of bonds  
Better wear-resistance and stain-resistance than PMMA  
High flexural strength produces hard but not brittle teeth



PMMA Polymer

DCL Polymer

### Performance of DCL Material<sup>[1]</sup>



### 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
- 28×1×4/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

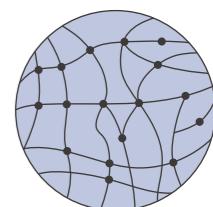
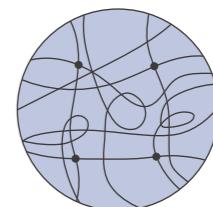
Making removable full or partial denture

### Classic design brings natural beauty

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

### 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



PMMA Polymer

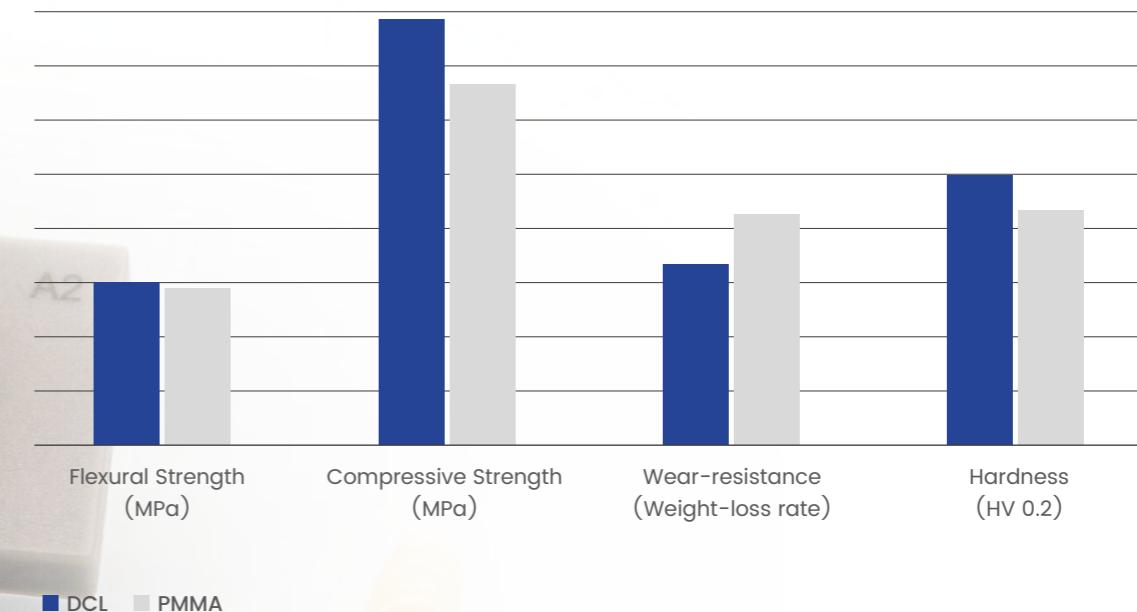
DCL Polymer

### Functional and multiple solutions

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



### Performance of DCL Material<sup>[1]</sup>



### 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)
- 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



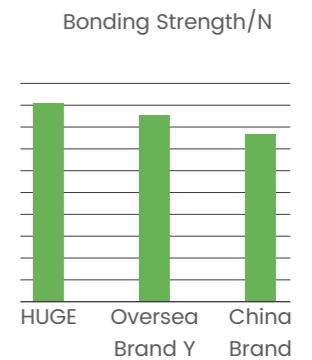
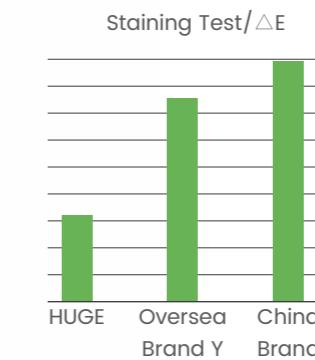
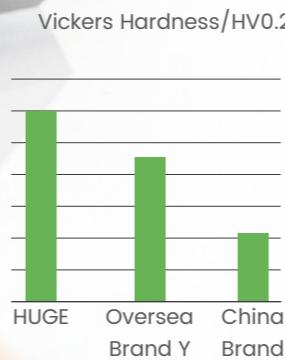
### Moulds and shades

- 9×upper anterior moulds: T2, T4, T6, T8, T10, S2, S4, S6, S8
- 5×lower anterior moulds: L2, L4, L6, L8, L10
- 12×posterior moulds: 30U, 30L, 30SU, 30SL, 32U, 32L, 32SU, 32SL, 34U, 34L, 36MU, 36ML
- 16 A-D classical shades
- Bleach shades available at request

### 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<sup>[1]</sup>



### 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)
- 28×1×4/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.

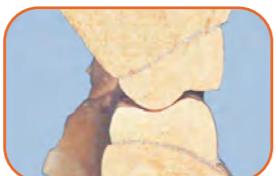
Complete implant covers complete denture repairing.

#### 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

- 6xLOP posterior moulds: 28MU, 28ML, 30MU, 30ML, 32U, 32L
- 4x0° posterior moulds: 031U, 031L, 033U, 033L
- 6x10° posterior moulds: 130U, 130L, 132U, 132L, 134U, 134L

#### SPEC

- Posterior: 8x1x12/Box (8pcs/card, 12 cards/box)



## Artificial Teeth Accessories

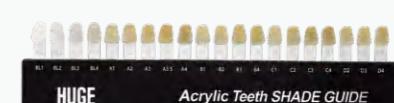
#### Two-Layer Shade Guide

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 120 cards 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 fractures occurred when samples were dropped three times from 2m

### 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)<sup>[1]</sup>



[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



# DUPLICATION 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 ✓



# GumEasy™

## A-Silicone for Gingival Mask

Artificial gum silicone with both elastic and rigid types

### Packaging

Types	Description
Standard	 (2x50ml)
Elite kit	 (2x50ml+12 mixing tips+12 intraoral tips+1*10ml dental separator for silicones)

### Main Usage Scenarios

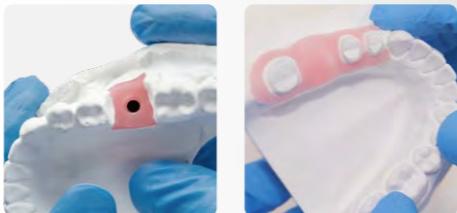
Applied to implant restoration process

Applied to crown and bridge restoration process



### Advantages

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



**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		✓



# GumEasy™

## Shore A 40&70

Available, Scannable



### Main Usage Scenarios

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
- Easy to drill
- Non sticky



### 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)



# Alph@lab™

Heat Resistance

**200°C**

## C-Silicone for Laboratory

Condensation-cure kneading silicone for precise duplication of models

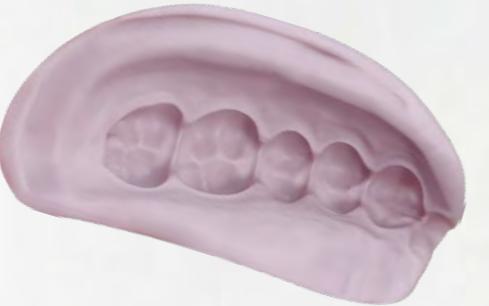


### Main Usage Scenarios

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.

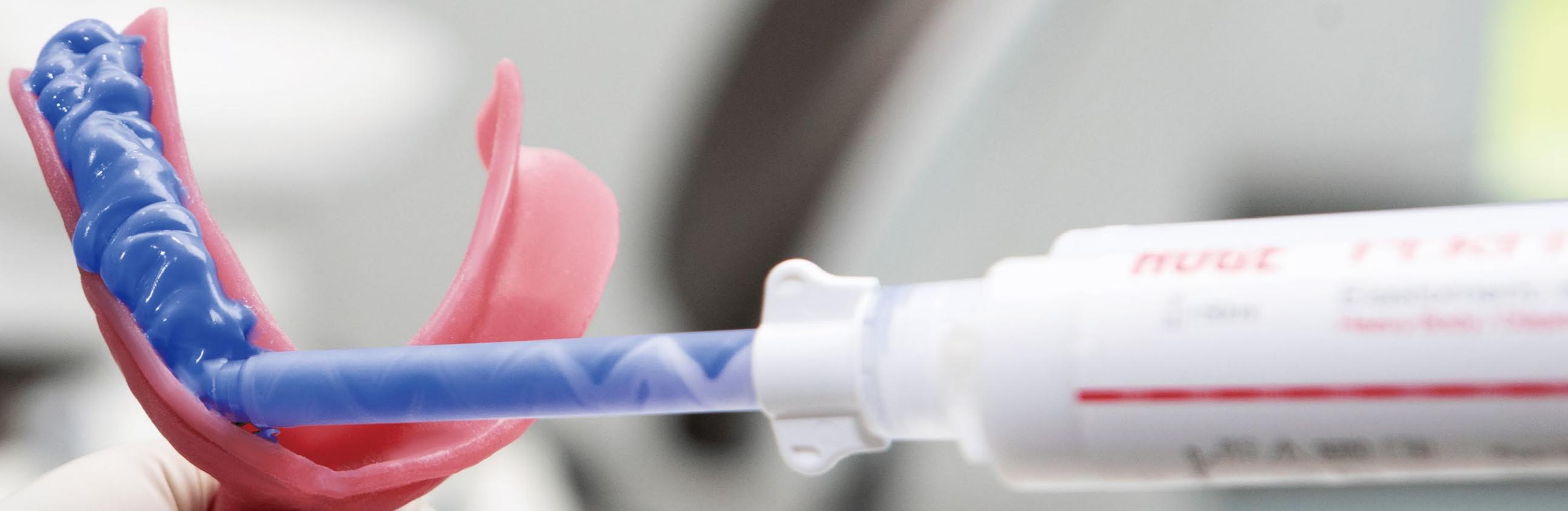
### Packaging

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



Alph@lab™  
 Tear Strength  
**6.5kN/m**

# LIGHT CURING TRAY & UNIT



# Light Curing Tray

Well-performed custom material meets your individual needs.

## Applications

Making individual trays  
Making temporary base plates

## Variants



Available colors: pink, blue  
Thickness available: 2.3mm, 2.0mm, 1.6mm

## Satisfactory performance

- Easy operation and fast setting
- High flexural strength over 110MPa
- Stable in shape during delivery
- Low deformation rate, hard to displace in mouth

## Packaging



Standard package  
50pcs / box



Trial package  
2pcs / box

# 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**