

# HUGE



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Rev 09/2025



## CADCAM SOLUTION

Your Partner in Digital Dentistry





# VinciSmile®

VinciSmile is committed to being your reliable clinical partner, providing top-notch dental solutions. We guarantee excellent clinical practice with the use of high-quality materials, ensuring the best outcomes for the patients.

# NOBILCAM®

NOBILCAM CAD/CAM solution provides various types of Zirconia and PMMA DISC to dental laboratories in order to have a positive impact on dental patient health.

# NOBILDENT®

NOBILDENT teeth are designed to look completely natural in the mouth due to the gentle blend of translucent incisal and lifelike reflective esthetics of the labial surface.

HUGE DENTAL USA is a worldwide dental supplier headquartered in Los Angeles, California USA. We offer a wide range of dental lab and clinical solutions, including NOBILDENT Resin Teeth, NOBILCAM CAD/CAM Materials, NOBILTRAY Lab Materials, PERFIT Elastomeric Impression Material, Clinical Restorative Materials, and Invisible Orthodontic Appliance, etc.

Our company is committed to providing exceptional support services, offering comprehensive counseling and training for employees, agents, and customers. As an FDA-cleared facility, we adhere to strict production quality assurance standards and maintain ISO 13485 certification.







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# ZIRCONIA

MM-4D (MaxMultilayer-4D)

GM (Gradient Multilayer)

MHT (Multi-layered High Translucency)

HT (High Translucency)

AT (Anterior Translucency)



HS (High Strength)





# INDICATION OVERVIEW

Give you a full range of options.













Indications	Veneers	Inlays&onlays	Coping&abutment	Anatomically reduced crowns	Full anatomy anterior crown	Anterior dental bridge (less than 3 units)	Full anatomy posterior crown	Posterior 3-unit bridge	Posterior 3-unit to multi-unit bridge	Full-arch bridge
	×	⌘	✓	✓	×	×	✓	✓	✓	✓
	×	⌘	✓	✓	✓	✓	✓	✓	✓	✓
	✓	⌘	×	×	✓	✓	⌘	⌘	×	×
	×	✓	✓	✓	✓	✓	✓	✓	✓	×
<i>Aesthetics Preferred</i> 	✓	✓	✓	✓	✓	✓	✓	✓	⌘	⌘
<i>All-in-one</i> 	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

✓ available ⌘ available but not recommended × unavailable



# NOBILCAM Zirconia Block

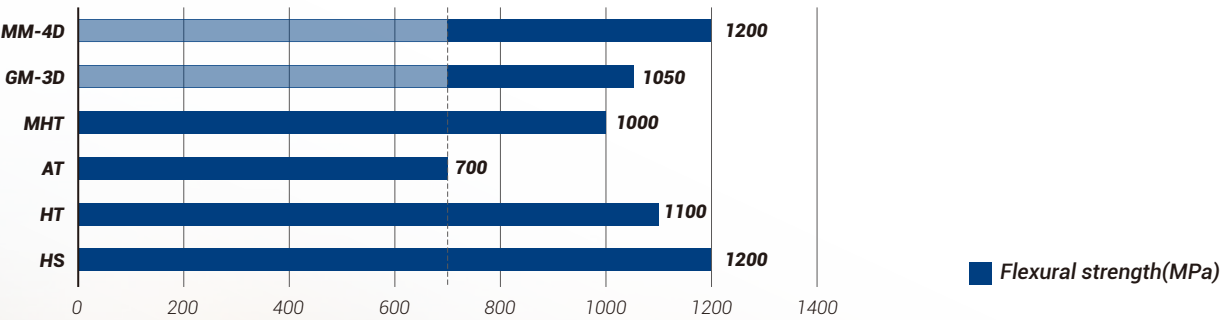
– Aesthetic and Reliable

Product						
Sample						
Type	3Y-TZP	3Y-TZP	4Y-TZP	5Y-TZP	Incisal: 5Y-TZP Dentin: 4Y-TZP	Incisal: 5Y-TZP Dentin: 3Y-TZP
Bending Strength	1200MPa	1100MPa	1000MPa	700MPa	Incisal: 700MPa Dentin: 1050MPa	Incisal: 800MPa Dentin: 1200MPa
Translucency	40%	43%	46%	49%	Incisal: 57% Dentin: 43%	Incisal: 53% Dentin: 43%
Fracture	≥5	≥5	≥5	≥5	≥5(Dentin)	≥5(Dentin)
Shades	White	White	A1,A2,A3,A3.5,A4	White	A1,A2,A3,A3.5,A4	A1,A2,A3,A3.5,A4
		A1,A2,A3,A3.5,A4	B1,B2,B3,B4	A1,A2,A3,A3.5,A4	B1,B2,B3,B4	B1,B2,B3,B4
		B1,B2,B3,B4	C1,C2,C3,C4	B1,B2,B3,B4	C1,C2,C3,C4	C1,C2,C3,C4
		C1,C2,C3,C4	D2,D3,D4	C1,C2,C3,C4	D2,D3,D4	D2,D3,D4
		D2,D3,D4		D2,D3,D4	BL1,BL2,BL3	BL1,BL2,BL3,BL4

# Technical Data

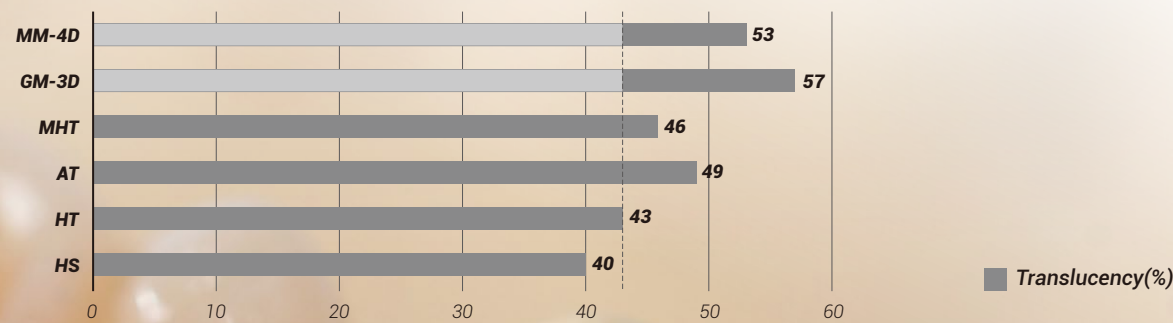
## • Flexural Strength:

Zirconia has a higher flexural strength and therefore better stability during chewing.



## • Translucency:

The higher the translucency, the better the permeability and the more aesthetic the prosthesis is.



\* Test Report, HUGE Dental Official Laboratory, 2024





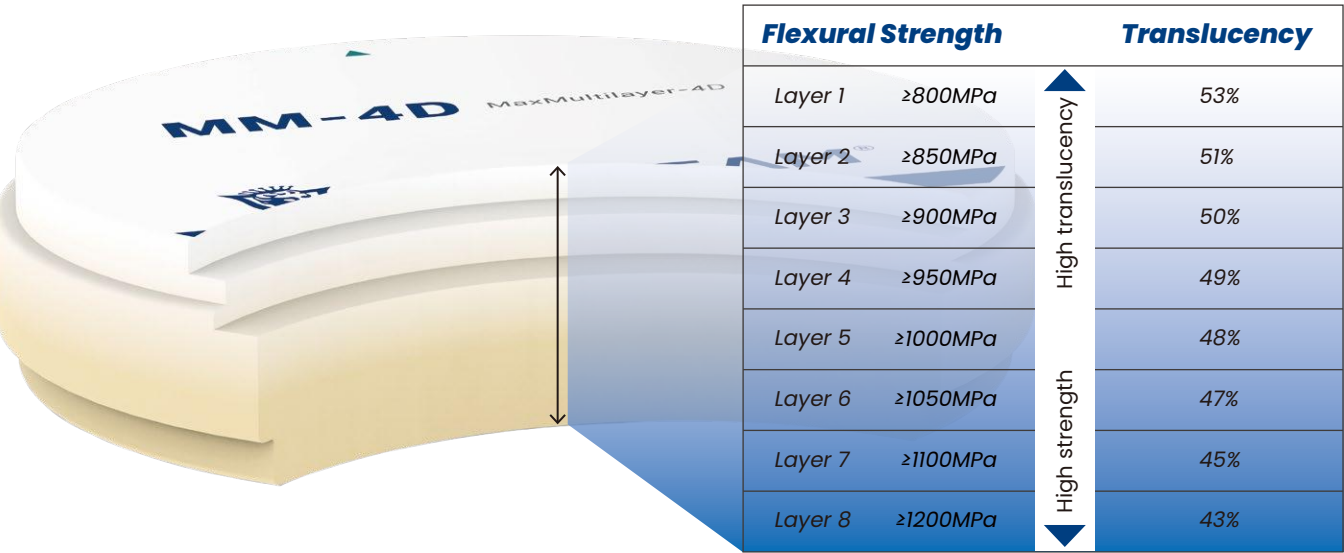
# MM-4D Zirconia

- The *All-in-one* Solution for dental restorations

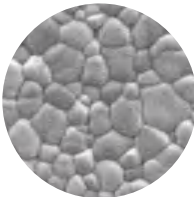


## • MaxMultilayer Structure

- 15 layers zirconia: 8 layers of dental multilayer zirconia and 15 layers gradient overlay



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



High strength zirconia: achieves 1200 MPa strength for exceptional stability

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

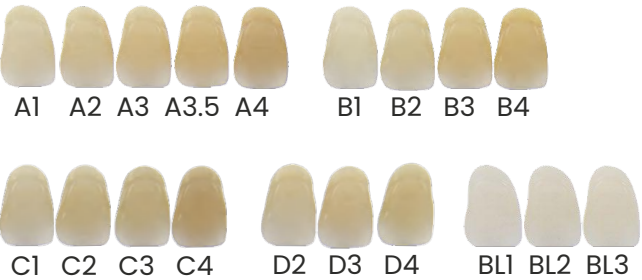
## • MaxMultilayer-4D: 15 Layers Zirconia

MM-4D achieves the best that zirconia restorations have to offer; including permeability, strength, and hardness. Furthermore, 8 powder layers forming 15 overlapping gradients 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.

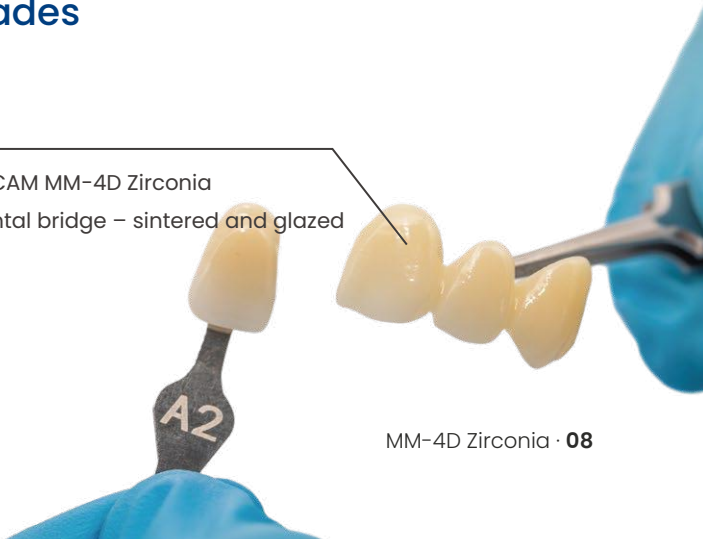
- ✓ 15 layers zirconia: 8 layers are superimposed and 15 layers are gradient
- ✓ Translucency: 43%-53%
- ✓ Strength: 800MPa-1200MPa
- ✓ All areas of applications: From single crown to full arch bridge

## • Natural color match to VITA Classic shades

Available shades



NOBILCAM MM-4D Zirconia A2 dental bridge – sintered and glazed







# NOBILCAM GM

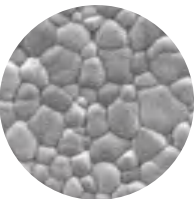
- Gradient Multilayer in 3 Dimensions: shade, strength and translucency.
- Optimally combine the raw 4Y and 5Y zirconia materials, ensuring outstanding accuracy of fit after sintering.
- Excellent incisal translucency improve the aesthetics of restorations.

## Seamless transition in 3 dimensions:

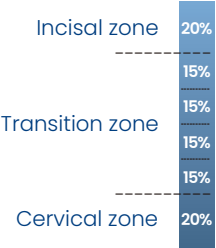
Natural color transition matches the natural color gradient of the tooth from cervical to incisal.  
Translucency from 43% incisal to 57% cervical  
Strength gradient from 700 MPa to greater than 1050 MPa



5Y-Highly translucent conditioned oxide-ceramic in the incisal area



4Y-Strong conditioned oxide-ceramic in the cervical area



### 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.



## 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	$(10.2\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$<100\mu g\cdot cm^{-2}$
Vickers hardness	1250 HV10

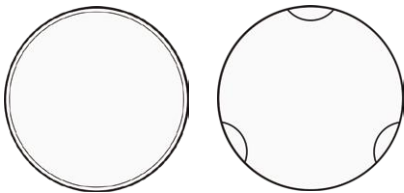


## Shades & Dimensions



	Dimension	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	BL1	BL2	BL3
98GM3D12	98x12 mm																			
98GM3D14	98x14 mm																			
98GM3D16	98x16 mm																			
98GM3D18	98x18 mm																			
98GM3D20	98x20 mm																			
98GM3D22	98x22 mm																			
98GM3D25	98x25 mm																			

Part number = “Part Number Prefix” follow with shade. e.g. 98GM3D14-A3  
Other sizes are available, please inquire.



\* Test Report, HUGE Dental Official Laboratory, 2024



# NOBILCAM MHT

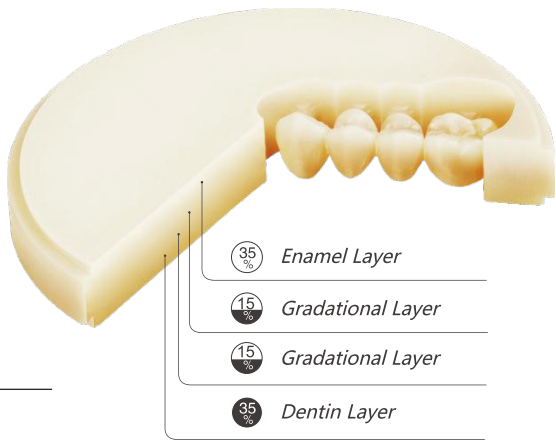
– Multilayer High Translucent

- With the flexural strength of over 900MPa, virtually all types of indications can be realized.
- The smooth color gradient closely imitates natural teeth.
- Simplify the staining process in dental laboratory routines.



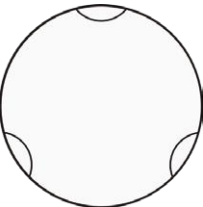
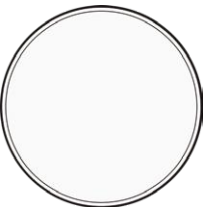
## Recommended applications

- 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	45%
Coefficient of thermal expansion	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$<100\mu g\cdot cm^{-2}$
Vickers hardness	1250 HV10

Part No. prefix	Dimension	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
98MHT14	98x14 mm	<div>Part number = "Part Number Prefix" follow with shade. e.g. 98MHT14-A3 Other sizes are available, please inquire.</div> <div></div>															
98MHT16	98x16 mm																
98MHT18	98x18 mm																
98MHT20	98x20 mm																
98MHT25	98x25 mm																

\* Test Report, HUGE Dental Official Laboratory, 2024

# NOBILCAM HT

– High Translucent

- Reproduce shades perfectly, ensuring the accuracy of color.
- Well-balanced combination of translucency and mechanical properties.
- Wide applications from crowns to bridges.



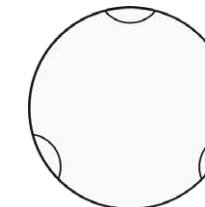
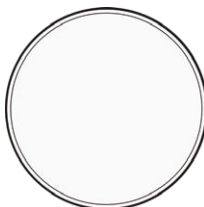
## Recommended applications

- 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)	1200MPa
Translucency	43%
Coefficient of thermal expansion	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$<100\mu g\cdot cm^{-2}$
Vickers hardness	1250 HV10

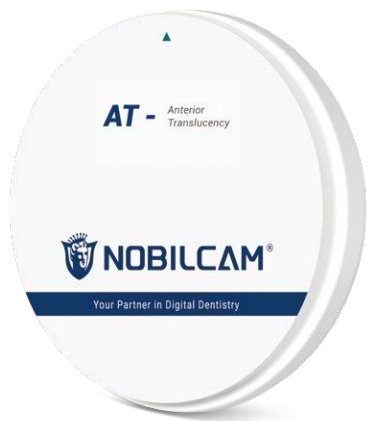
Part No. prefix	Dimension	White	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4
98HT12	98x12 mm	<div>Part number = "Part Number Prefix" follow with shade. e.g. 98HT14-A3 Other sizes are available, please inquire.</div> <div></div>																
98HT14	98x14 mm																	
98HT16	98x16 mm																	
98HT18	98x18 mm																	
98HT20	98x20 mm																	
98HT25	98x25 mm																	

\* Test Report, HUGE Dental Official Laboratory, 2024

# NOBILCAM AT

– Anterior Translucent

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



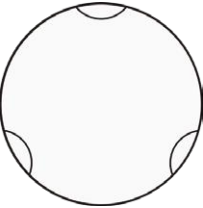
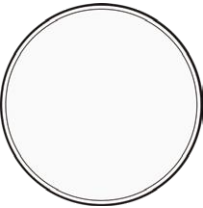
• Recommended applications

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



• Technical Data

Flexural strength(3-point)	600MPa
Translucency	49%
Coefficient of thermal expansion	$(10.2\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$<100\mu g\cdot cm^{-2}$
Vickers hardness	1250 HV10

Part Number	Dimension	White
98AT12-White	98x12 mm	Other sizes are available, please inquire. <div></div>
98AT14-White	98x14 mm	
98AT16-White	98x16 mm	
98AT18-White	98x18 mm	
98AT20-White	98x20 mm	
98AT25-White	98x25 mm	

\* Test Report, HUGE Dental Official Laboratory, 2024

# NOBILCAM HS

– High Strength

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



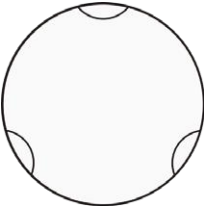
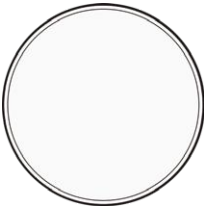
• Recommended applications

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



• Technical Data

Flexural strength(3-point)	1400MPa
Translucency	40%
Coefficient of thermal expansion	$(10.5\pm0.5)\times10^{-6}K^{-1}$
Chemical solubility	$<100\mu g\cdot cm^{-2}$
Vickers hardness	1250 HV10

Part Number	Dimension	White
98HS12-White	98x12 mm	Other sizes are available, please inquire. <div></div>
98HS14-White	98x14 mm	
98HS16-White	98x16 mm	
98HS18-White	98x18 mm	
98HS20-White	98x20 mm	
98HS25-White	98x25 mm	

\* Test Report, HUGE Dental Official Laboratory, 2024





# GLASS CERAMIC

CAD

Amber

Direct Mill

Implant

Pressing



# Glass Ceramic

The one-shet forming process allows the glass-ceramic to be extruded and condensed directly at high temperatures, reducing the risk of internal defects within the block.



## CAD

• Feature:

- 99.9% extra pure, bio-grade raw materials from natural minerals
- One-step forming technology, eliminating surface defects
- Optical grade precise heat-treatment for nucleation and crystalization
- Fluorescence and opalescence that mimic real teeth appearance



• Technical Parameters:

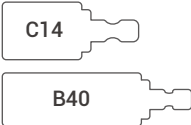
Density	Thermal Expansion (25-500°C)	Linear Shrinkage Rate	Vickers Hardness
2.49 g/cm³	11.4*10 <sup>-6</sup> /K	0.25%	615 Hv
Elastic Modulus	Flexural Strength	Fracture Toughness	
75 GPa	420 MPa	2.0 MPa*m <sup>-1/2</sup>	

• Indication:



\* Test Report, HUGE Dental Official Laboratory, 2024

• Size:



• Translucency and shade:



## Amber

– Aesthetic enhancement

• Size:



• Translucency and shade:



## Direct Mill

– Resin free, sintering free

• Size:



• Translucency and shade:

HT	MT	LT
A1-A3.5,B1-B2,C1,D2,OM1-OM3+	OM1-OM3	A1-A3.5,B1-B2,C1,D2,OM1-OM3+



## Implant

– Implant blocks for chairside system

• Size:



• Translucency and shade:

HT	MT	LT
OM1-OM3+,A1-A4,B1-B4,C1-C4,D2-D4	OM1-OM3+,A1-A3	OM1-OM3+,A1-A4,B1-B4,C1-C4,D2-D4



## Pressing

– Raw material purified, edge integrity

• Translucency and shade:

HT	
OM1-OM3+,A1-A4,B1-B4,C1-C4,D2-D4	OM1-OM3+,A1-A4,B1-B4,C1-C4,D2-D4







# PMMA

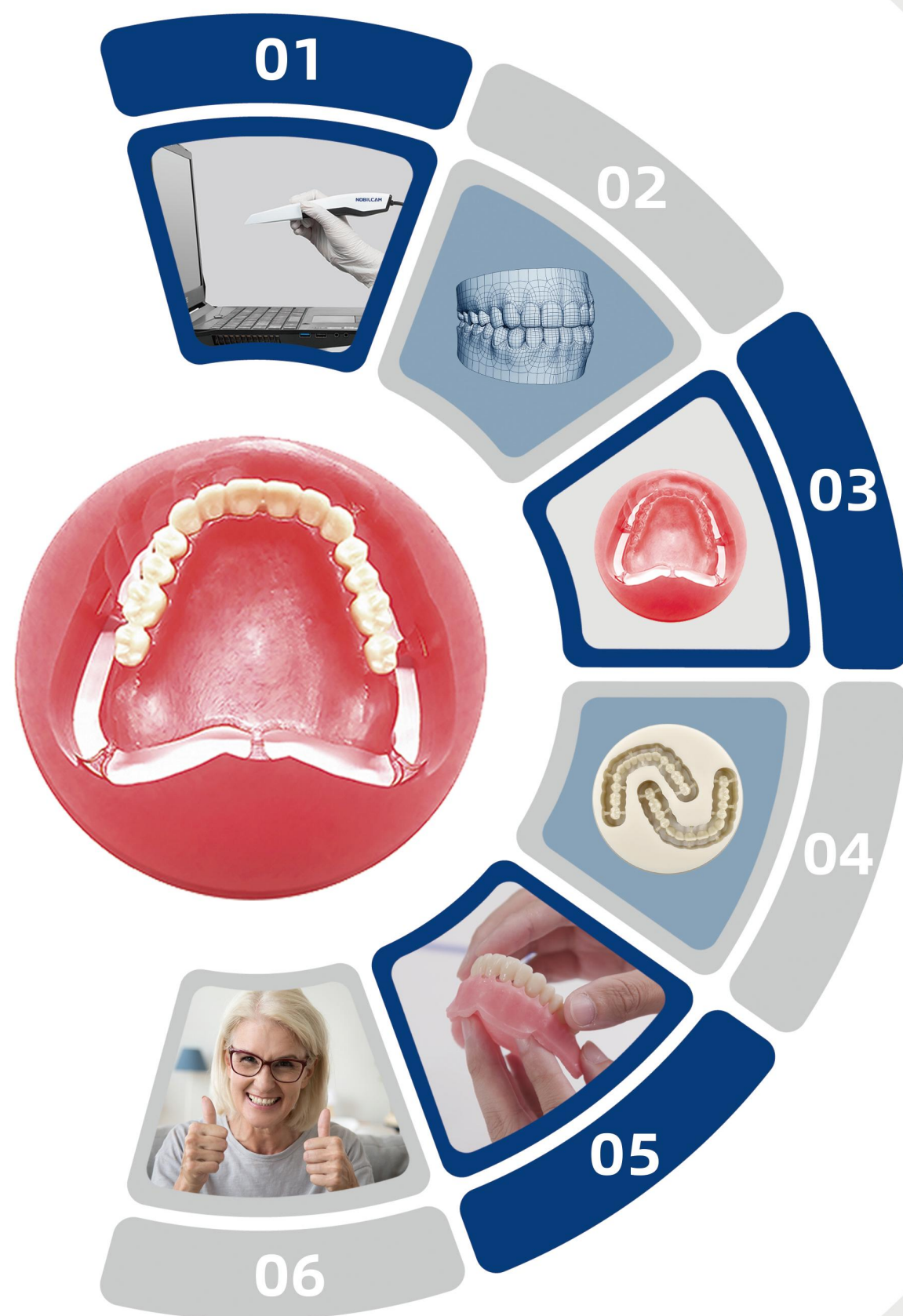
Multilayer PMMA

Monolayer PMMA

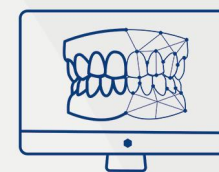
Clear PMMA

Pink PMMA



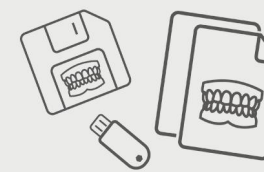


## Advantages



### Predictable

Avoid human error  
and more accurate



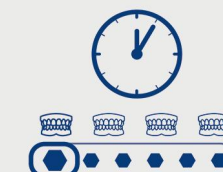
### Faster

Production time  
is reduced from  
15 to 8 days



### Resource Saving

Not only labor but  
also storage space



### Digital Copy

Store the  
information

## Pink PMMA DISC

Removable structures for dentures (Denture Base)



### 6 Shades

2S 2ST 3S 3ST Pink Brown

## Multilayer PMMA DISC

Removable structures for dentures (Dental Arch)



### 20 Shades

A1	B1	C1	D2	BL1
A2	B2	C2	D3	BL2
A3	B3	C3	D4	BL3
A3.5	B4	C4		BL4
A4				

## Seamless Gradient

NOBILCAM Multilayer PMMA DISC has a unique seamless gradient to make the color change smoothly from teeth neck to cut end.



Unrivalled aesthetics effect bring you  
a excellent experience of Digital Full  
Denture.

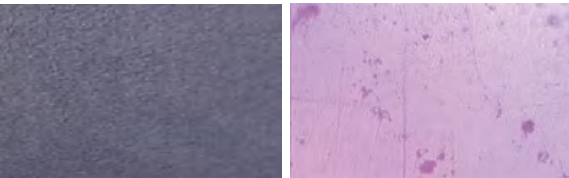


# NOBILCAM PMMA

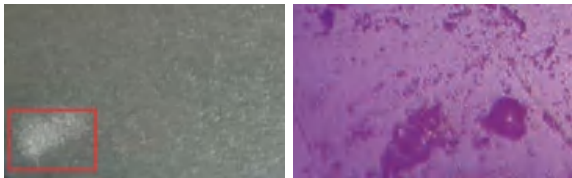
NOBILCAM PMMA discs are one of the best CAD/CAM PMMA products in dentistry in part due to the materials used and our mature manufacturing technology,

## • Excellent compactness

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



NOBILCAM PMMA



OTHER COMPETITORS

## • Outstanding mechanical and chemical properties

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

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

\* Test Report, HUGE Dental Official Laboratory, 2025

## • Comprehensive and accurate shade system

NOBILCAM PMMA products offer 22 shades for Multilayer PMMA disc and 24 shades for Monolayer PMMA disc, 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(NOBILCAM Multilayer & Monolayer)
- Dental splints for therapeutic restorations of TMJs and bruxism(NOBILCAM Clear & Flexible)
- Digital denture & denture bases (NOBILCAM Pink & Full Denture)
- Guide for implant surgery (NOBILCAM Clear)





## Monolayer PMMA

- Mills purely and polishes easily
- Easy to operate, stable and efficient
- Proven biocompatibility
- Accurately matched in 23 shades



## Pink PMMA

- Perfectly suitable for making digital denture base
- Natural gingival appearance
- Low moisture absorption
- high strength



## Multilayer PMMA

The multilayer PMMA with shade gradient from dentin to incisal is suitable for natural and long-term temporary restorations.

- Seamless shade gradient makes the prostheses more natural and artistic.
- Highest esthetics due to accurately matched VITA 16 shades and BL shades.
- High-quality acrylic for long-term temporary restorations with a wearing time of up to 12 months.


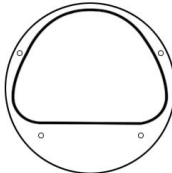
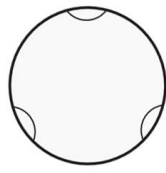
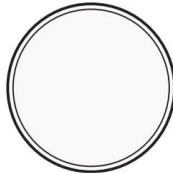



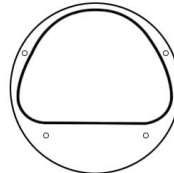
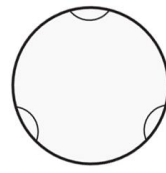
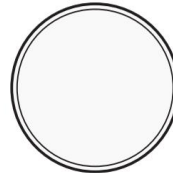
A1	B1	C1	D2	BL1
A2	B2	C2	D3	BL2
A3	B3	C3	D4	BL3
A3.5	B4	C4		BL4
A4				

## Clear PMMA

- Crystal clear surface
- High stain-resistance
- Low water absorption
- Burn out without any residue



Part No. prefix	SPEC.(mm)	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	BL1	BL2	BL3	BL4
PMML9810	98x10 0 Step	<p>Part number = "Part Number Prefix" follow with shade. e.g. PMML9814-A3 Other sizes are available, please inquire.</p> <div></div>																			
PMML9812	98x12 2 Steps																				
PMML9814	98x14 2 Steps																				
PMML9816	98x16 2 Steps																				
PMML9818	98x18 2 Steps																				
PMML9820	98x20 2 Steps																				
PMML9825	98x25 2 Steps																				
PMML9830	98x30 2 Steps																				
PMML9514	95x14																				
PMML9516	95x16																				
PMML9518	95x18																				
PMML9520	95x20																				
PMML9525	95x25																				
PMML9530	95x30																				

Part No. prefix	SPEC.(mm)	A0	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4	(0)Clear	2S	BL1-4
PMSL9810	98x10 0 Step	<p>Part number = "Part Number Prefix" follow with shade. e.g. PMML9814-A3</p> <p>Other sizes are available, please inquire.</p> <div></div>																				
PMSL9812	98x12 2 Steps																					
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PMSL9818	98x18 2 Steps																					
PMSL9820	98x20 2 Steps																					
PMSL9825	98x25 2 Steps																					
PMSL9830	98x30 2 Steps																					
PMSL9514	95x14																					
PMSL9516	95x16																					
PMSL9518	95x18																					
PMSL9520	95x20																					
PMSL9525	95x25																					



# DuraPlex Disc

- The Next Generation of PMMA Excellence

Revolutionizing Dental Materials with Unmatched Performance

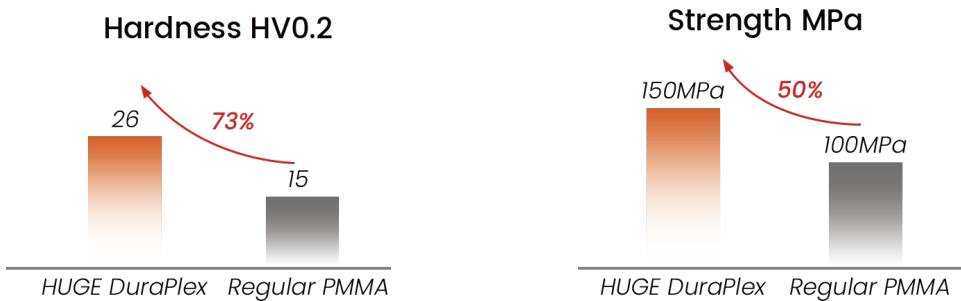


## • DuraPlex Disc

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.

## • Why Choose DuraPlex?

### 1. Enhanced Hardness & Strength

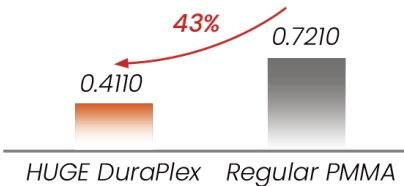


DuraPlex delivers exceptional mechanical properties, ensuring long-lasting performance for even the most demanding dental applications.

### 2. Superior Wear Resistance

Engineered to withstand daily wear and tear, DuraPlex maintains its integrity and appearance over time, reducing the need for frequent replacements.

Wear-resistant weight loss ratio% (84H, approx. 100,000 cycles)



### 3. Stain Resistance You Can Trust

DuraPlex retains the high-quality stain resistance of PMMA, ensuring a natural, aesthetically pleasing finish that your patients will love.

### 4. True Color System Compatibility

DuraPlex is fully compatible with the True Color System, offering perfect shade matching with MM4D zirconia shades. This makes it the ideal choice for full-arch implant restorations, delivering unmatched aesthetic results.

## • Specifications of HUGE DuraPlex Block

	Value/Unit *
Flexural strength	140MPa
Modulus of elasticity	2400MPa
Hardness (HV0.2)	26
Water Absorption	25.6 µg/mm³
Water Solubility	0.2 µg/mm³

\* Test Report, HUGE Dental Official Laboratory, 2024

# NOBILCAM Flexible Disc

NOBILCAM Flexible Discs (Nylon resin) are intended for aesthetically superior semi-flexible removable partial denture frameworks, which blend perfectly with the patient’s gums, providing better function, aesthetics, comfort and durability.

- Esthetic, comfortable and light weight
- 100% digital for accurate fit
- Occlusal rests reduce tissue-borne pressure to reduce sore spots and offer excellent retention

**Part Number:** FLD9820–Clear, FLD9820–Pink  
**Shade:** Clear, Pink



	NOBILCAM Flexible Disc	Competitor
Bending Strength (MPa)	1187.0	1123.5
Bending Modulus (MPa)	83.1	78.1
Impact Strength (KJ·m <sup>-2</sup> )	52.6	52.4
Elongation at Break	66.97%	62.3%
Water absorption	2.06%	2.54%

\* Test Report, HUGE Dental Official Laboratory, 2024

## Recommended applications



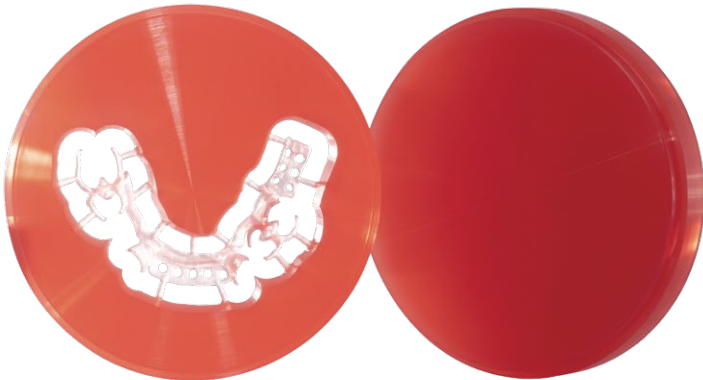
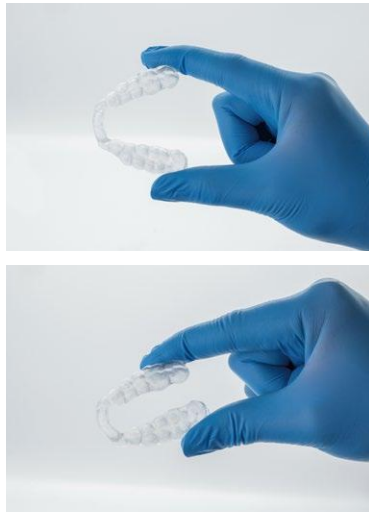
## Flexible partial denture

NOBILCAM Flexible discs are suitable to make the framework of partial dentures. The flexible partial dentures would be superior to metal partials because they are unbreakable and comfortable to wear.



## Flexible bite splint

NOBILCAM Flexible material is practically unbreakable and therefore suitable for bite splint with only 0.5 mm thickness, which could improve the wearing experience for patients.







Unmatched in the market, unparalleled in comfort

## ● IMPAK Disc

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.

✓ *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.

## ● Advantages

### 1. Easy operation and high efficiency



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

### 2. High patient comfort



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

### 3. Excellent performance

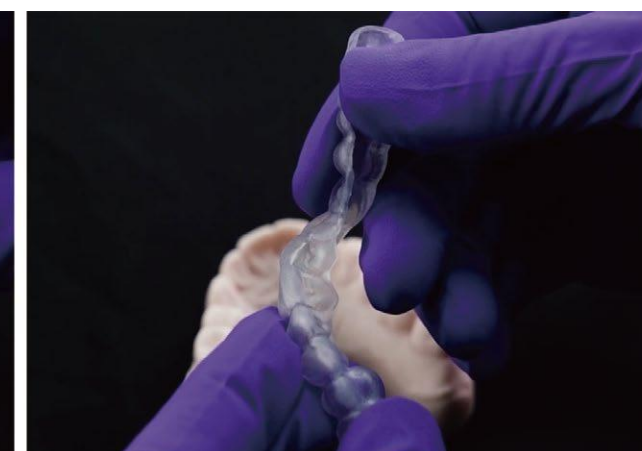


- High tear resistance and stability
- Low water absorption and dissolution

### 4. Clinical economy



- Simplify the process, reduce personnel manual operation
- Low cost, less waste of consumables

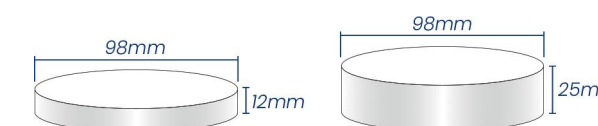


Soft and comfortable, waiting for your choice!

## ● Technical Parameters

Tear Strength	>200 N/cm
Water Absorption	<32 $\mu\text{g}/\text{m}^3$
Water Solubility	<5 $\mu\text{g}/\text{m}^3$
HD	55-100

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



- Shade: Clear
- Storage: Cool and dry

\* Test Report, HUGE Dental Official Laboratory, 2025





# OTHER CONSUMABLES

EternalArt Stain and Glaze

Firing Paste

GuMimic Gingival Composite

CAD Design Service

Milling Burs







## EternalArt Stain and Glaze

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

### ✓ Efficient dyeing

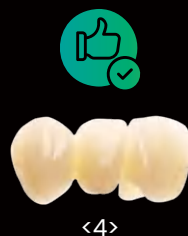
The stain contains glaze components, only one firing is required

### ✓ Silky-smooth handing

Balanced mobility, silky smooth paint feel and easy leveling

### ✓ Low temperature sintering

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

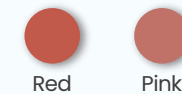


### • EternalArt Shade Solutions

#### Dentine Shades



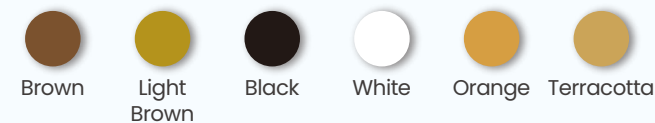
#### Gingival Shades



#### Insical Shades



#### Adjustment Shades



#### Translucent



### • Physical data

- CTE:  $10 \pm 0.5 \times 10^{-6} \text{K}^{-1}$
- Chemical Solubility:  $\leq 100 \mu\text{g} \cdot \text{cm}^{-2}$
- Flexural Strength:  $\geq 50 \text{MPa}$
- Transformation Temperature:  $480 \pm 20^\circ\text{C}$



• EternalArt 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: External stain sintering program

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.

Apply onto the inner surface / Apply onto the pin's top.

Insert the sintering pin into the crown.

Stain and glaze the restoration surface.

Insert onto the sintering tray.

Place into the porcelain furnace.

Remove the residue.

**Note:**  
Only apply soybean-sized amount each time. The firing paste must not come into contact with the glaze surface of the restoration, otherwise it will affect the staining and glazing effect.

• Function Highlights

- ✓ Smooth Application

✓ Heat Stability

✓ Residue-Free Removal
- ✓ Strong Support

✓ Preserved Aesthetics

✓ 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: 2g  
GuMimic-Flow: 4g



### 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 (400nm $\lambda$ <500nm)



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



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



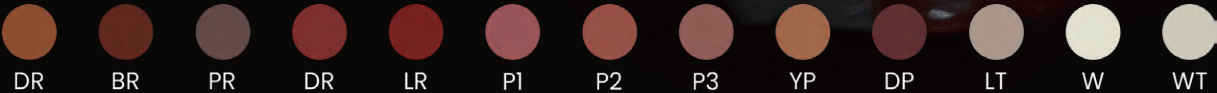
5. After curing, remove all cover gel from the surface. Once clean and completely dry, the composite can be polished or glazed or both

# GuMimic Gingival Composite

*Lifelike • Aesthetic • Strong*



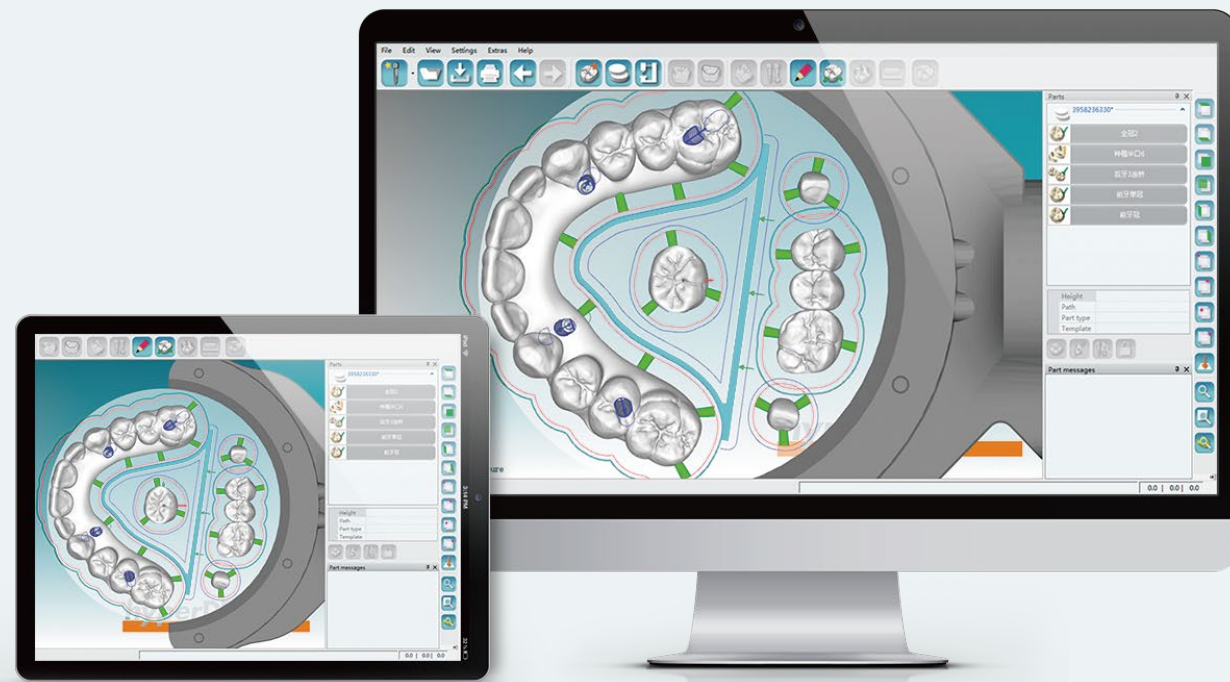
## Recommended Color Applications



Shade	Clinical Application
LT (Light Translucent)	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

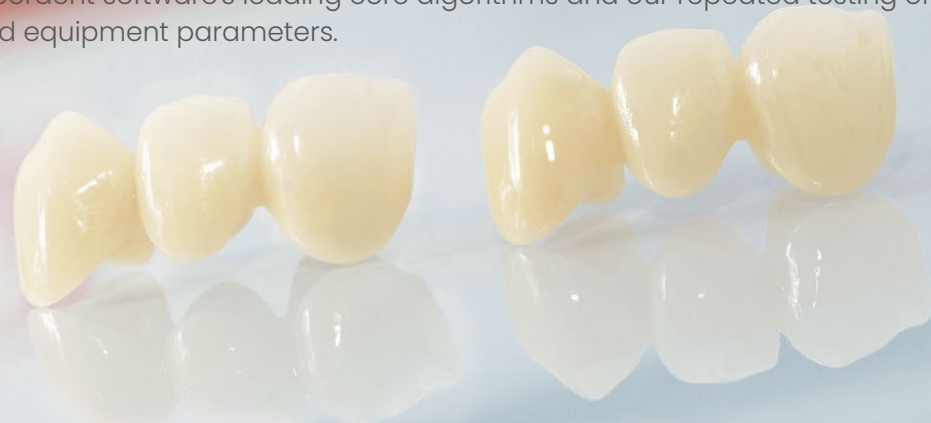
— CAD Design Service by HUGE

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 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.