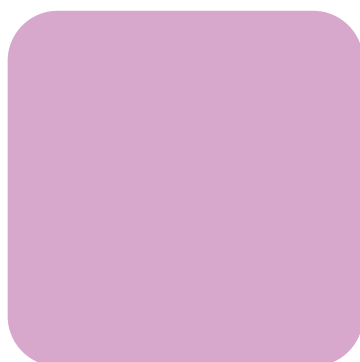


HUGE

Dental CAD/CAM Materials Catalog 2017

Shandong Huge Dental Material Corporation



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HUGE

HUGE PMMA BLOCK

More than a temporary material



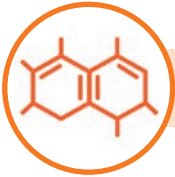
PMMA block is dental material for dental laboratories to mill dental long-term temporary restorations. When a dentist prepares a natural tooth for a crown, he or she will first remove the enamel layer. Since the time required to get a permanent restoration will require about one month, patients must wear temporary restorations to protect their prepared teeth from stimuli of temperature or bacterial infection.

19 Colors, All Specifications for Better Choice

-  0120
- ISO 13485:2003
- FDA cleared for marketing

WWW.HUGEPMMA.COM

HUGE PMMA block is perfect for dental laboratories who want to reduce labor costs and improve consistency by using modern milling systems. It offers excellent physical and biocompatibility characteristics due to highly cross-linked polymers and result in superior surface finish.



High cross-linked PMMA material

Ensures high wear-resistance, low moisture absorption and offers superior performance



Consistent shades in 19 colors

HUGE is the only supplier in the world who offers 19 shades of both multilayer and monolayer PMMA block



All sizes to fit all types of machines

HUGE PMMA block is guaranteed to perfectly fit all types of milling machines



NUMBER 1 FOR UK LABS

*SIMPLY THE BEST SINGLE AND
MULTILATER PMMA. APPROVED AS
NUMBER 1 FOR UK LABS!*

BRACON UK

HIGH RANGE PMMA QUALITY

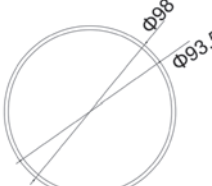
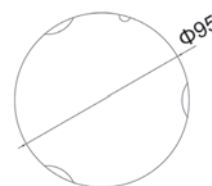
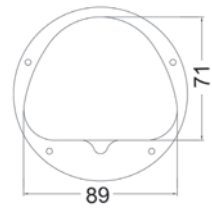
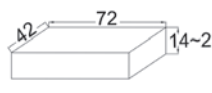
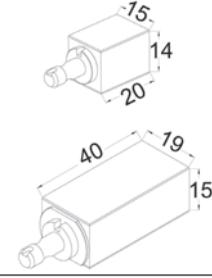
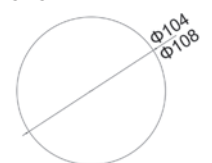
*A LARGE CHOICE CAN RESPOND
TO ALL CAD/CAM SYSTEM ON
THE MARKET. HIGH RANGE PMMA
QUALITY*

FORSTEC SWEDEN

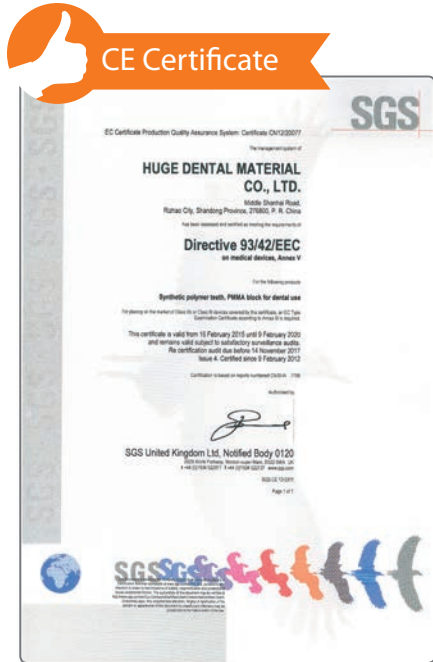
WIDEST CHOICE OF COLORS

*THE POSSIBILITY OF OFFERING THE
WIDEST CHOICE OF COLORS TO
CUSTOMERS. THE BEST MATERIAL
FOR ALL TEMPORARY WORK*

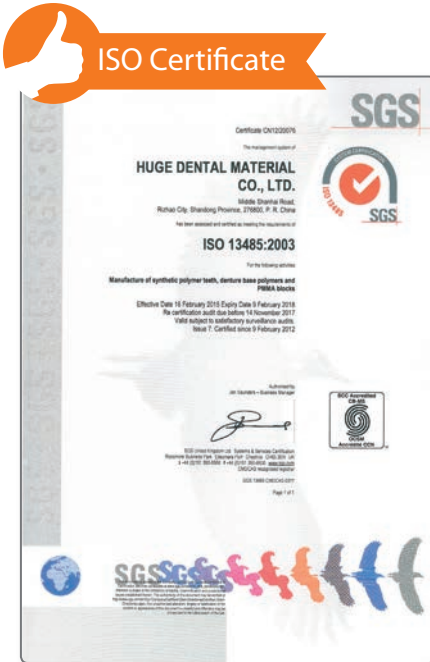
AURIUM FRANCE

SYSTEM	DIMENSION (mm)	PACK	SHADE	MONO LAYER	SHADE	MULTI LAYER
 <p>OPEN SYSTEM</p>	Φ98 x 10	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ98 x 12	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ98 x 14	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ98 x 16	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ98 x 18	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ98 x 20	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ98 x 22	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ98 x 25	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ98 x 30	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
 <p>Z-95MM SYSTEM</p>	Φ95 x 10	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ95 x 12	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ95 x 14	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ95 x 16	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ95 x 18	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ95 x 20	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ95 x 22	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ95 x 25	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ95 x 30	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
 <p>A-71MM SYSTEM</p>	89 x 71 x 13	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach),B0	✓
	89 x 71 x 20	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach),B0	✓
 <p>L-72MM SYSTEM</p>	72 x 42 x 14	1 CUBE/BAG	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	72 x 42 x 16	1 CUBE/BAG	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	72 x 42 x 20	1 CUBE/BAG	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	72 x 42 x 25	1 CUBE/BAG	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
 <p>S-SYSTEM</p>	20 x 14 x 15	10 PCS/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	20 x 19 x 15	10 PCS/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	40 x 14 x 15	5 PCS/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	40 x 19 x 15	5 PCS/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	55 x 19 x 15	5 PCS/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	65 x 25 x 16	2 PCS/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	65 x 25 x 22	2 PCS/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
 <p>CUSTOMIZED SYSTEM</p>	Φ104 x 20 OS	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓
	Φ108 x 20 OS	1 DISC/PACK	16 A-D, A0, 2S(Pink), (0) clear	✓	16 A-D, 2M2, BL(Bleach), B0	✓

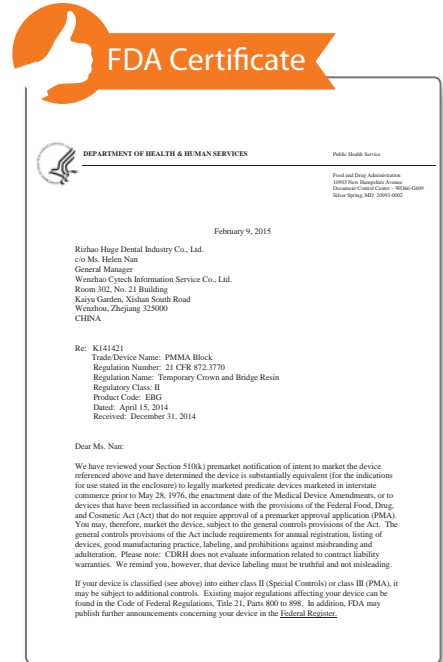
Certificates for HUGE PMMA block



CE Certificate



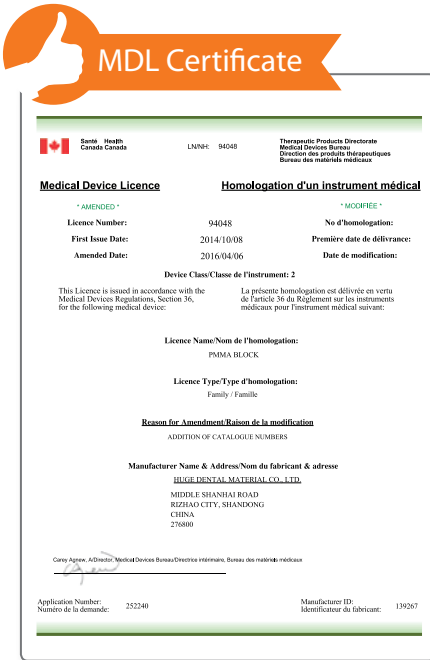
ISO Certificate



FDA Certificate



JIS Certificate



MDL Certificate



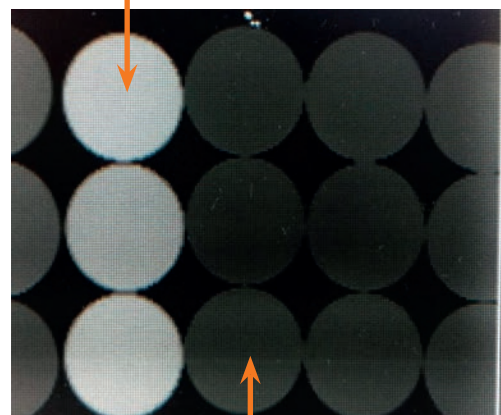
Russian Registration

The HUGE X-Ray PMMA block is specially designed and produced for the CAD/CAM dental machine. Adopted by the injection molding technique, the HUGE X-Ray PMMA block is made of the highly cross-linked PMMA material and specially designed adding Barium material with smooth surface, stable size, no bubbles and anti-color change.

▪ Advantages

- For use in production of fixed dentures in clinical restorative industry
- Main performance and features
- No biological toxicity - safe to use for oral cavities
- No visible gaps or other defects on the section of the cutting side
- Excellence finishing surface with good polishing performance after milling
- Barium added under standard ensure the safety

X-RAY PMMA block



Normal PMMA block

▪ Indications

HUGE X-RAY PMMA block for fully and partially anatomical crowns and bridges.
Perfect view under X-Ray for specific patient.

▪ Shade

- X-ray PMMA block(white)
- 18 shades, 16 A-D shades plus 2S(pink), A0

▪ Dimensions

- See page 6



▪ Advantages

- Denture won't fall apart from the gingival base
- Simple production process, saving time and labor cost
- Excellent polishing performance after milling reduces discoloration and plaque
- Excellent long-term stability and esthetics
- Comfort for patient to wear

▪ Indications

Fully and partially anatomical long-term temporary removable denture.

▪ Dimensions

- 95x25mm; 95x30mm; 95x40mm;
- 98x25mm; 98x30mm; 98x40mm;
- 100x25mm; 100x30mm; 100x40mm;
- Customized dimension is available.

▪ Shades

- Denture base color(2S 2ST 3S 3ST) + 19 Multilayer shades(16 A-D, 2M2, BL, B0), customized shades are available



▪ Advantages

- 19 shades
- Natural tooth-like layering
- Excellent long-term shade stability and esthetics

▪ Indication

- Fully and partially anatomical long-term temporary crowns and bridges, in particular in the anterior area.

▪ Dimensions

- See page 6

▪ Property

PROPERTY	DATA
Flexural Strength	≥50MPa
Solubility	≤7.5µg/mm ³
Water Absorption	≤40µg/mm ³



▪ Advantages

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

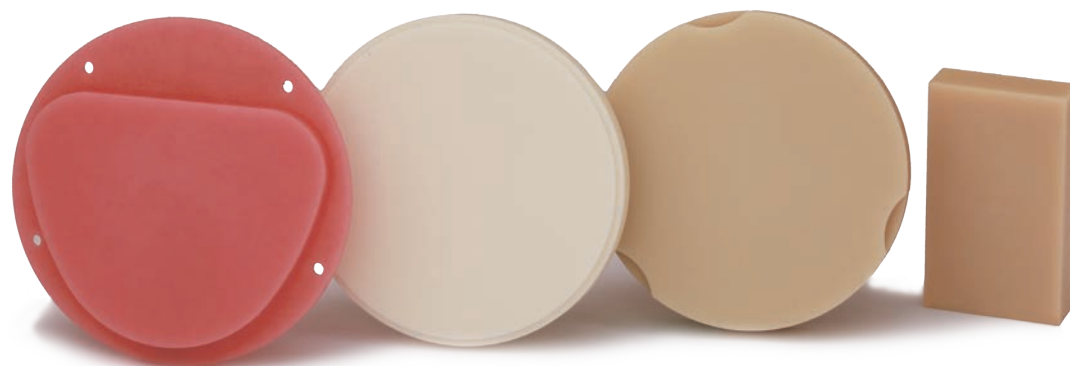
▪ Indication

- Fully and partially anatomical long-term temporary crowns and bridges, both anterior and posterior crown & bridge are recommended.

▪ Dimensions

- See page 6





▪ Advantages

- 19 shades
- Excellent abrasion resistance
- Excellent finishing bright surface, good polishing performance after milling
- Excellent long-term shade stability and esthetics

▪ Indication

- Fully and partially anatomical long-term temporary crowns and bridges.

▪ Dimensions

- See page 6

▪ Advantages

widely fit for customized systems

▪ Indications

Fully or partially anatomical long-term temporary crowns and bridges

▪ Dimension

Φ104/108 x 20mm



PMMA SHADE GUIDE

16 A-D, 2S(Pink), clear, 19 shades in total





Zirconia Block

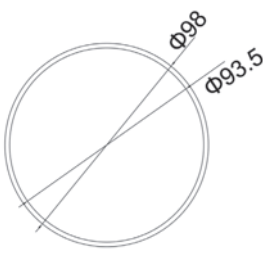
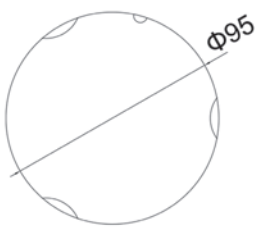
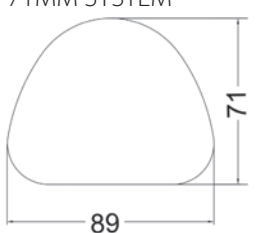
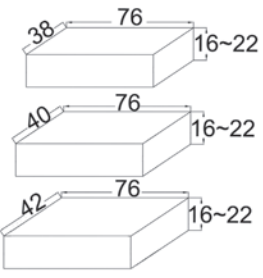
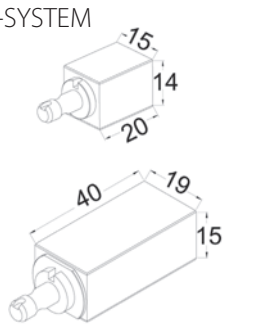


As the emerging trend of CAD/CAM material, Zirconia Block is now widely used for fabricating dental restorations, such as inlays, onlays, veneers, crowns and bridges can be fabricated out of it by CAD/CAM Dentistry.



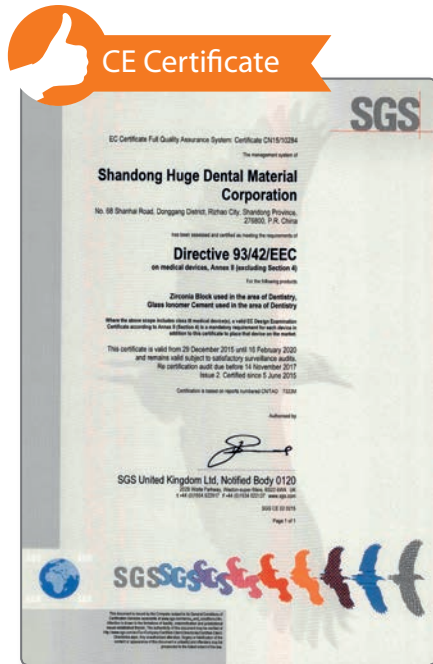
• ISO 13485:2003

• FDA cleared for marketing

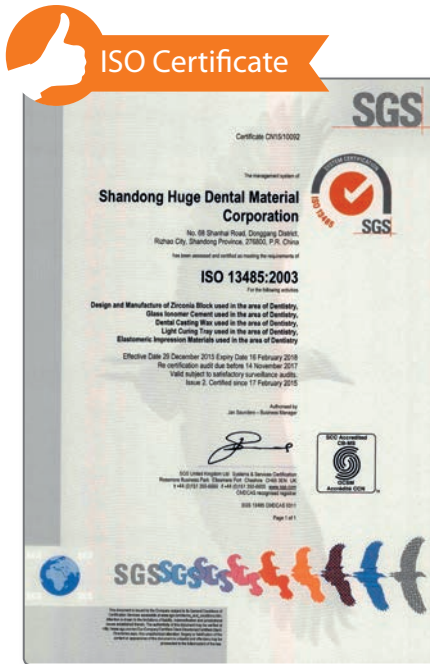
SYSTEM	DIMENSION	PACK	SHADE	AT	HT	HS
OPEN SYSTEM 	Φ98 x 10(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ98 x 12(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ98 x 14(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ98 x 16(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ98 x 18(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ98 x 20(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ98 x 22(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ98 x 25(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ98 x 30(mm)	1 DISC/PACK	WHITE/16 A-D
Z-95MM SYSTEM 	Φ95 x 10(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ95 x 12(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ95 x 14(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ95 x 16(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ95 x 18(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ95 x 20(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ95 x 22(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ95 x 25(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	Φ95 x 30(mm)	1 DISC/PACK	WHITE/16 A-D
A-71MM SYSTEM 	89 x 71 x 10(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	89 x 71 x 12(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	89 x 71 x 14(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	89 x 71 x 16(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	89 x 71 x 18(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	89 x 71 x 20(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
R-76MM SYSTEM 	76 x 38 x 16(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 38 x 18(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 38 x 20(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 38 x 22(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 40 x 16(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 40 x 18(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 40 x 20(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 40 x 22(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 42 x 16(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 42 x 18(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 42 x 20(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	76 x 42 x 22(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
S-SYSTEM 	20 x 14 x 15(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	20 x 19 x 15(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	40 x 14 x 15(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	40 x 19 x 15(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	55 x 19 x 16(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	65 x 25 x 20(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	65 x 25 x 22(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	65 x 40 x 22(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓
	85 x 40 x 22(mm)	1 DISC/PACK	WHITE/16 A-D	✓	✓	✓

"..." is pending. Pls. consult with your sales person for more information.

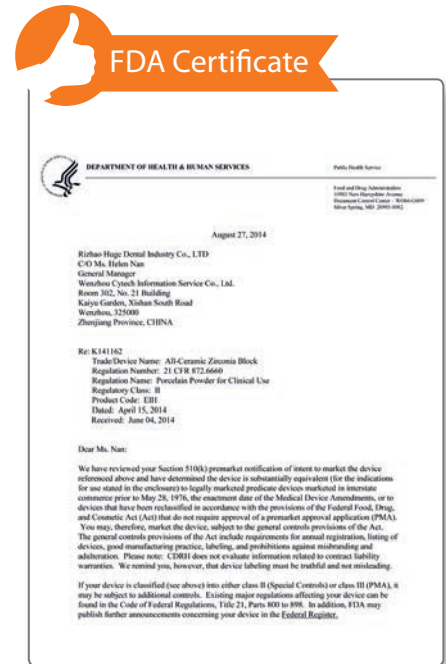
Certificates for Zirking Zirconia block



CE Certificate



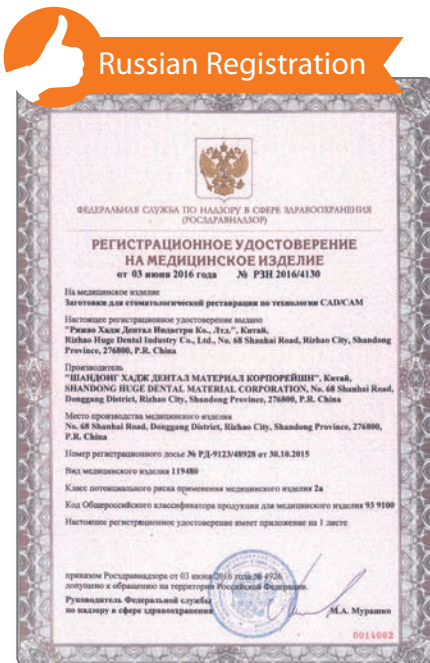
ISO Certificate



FDA Certificate



Certificate for Exportation

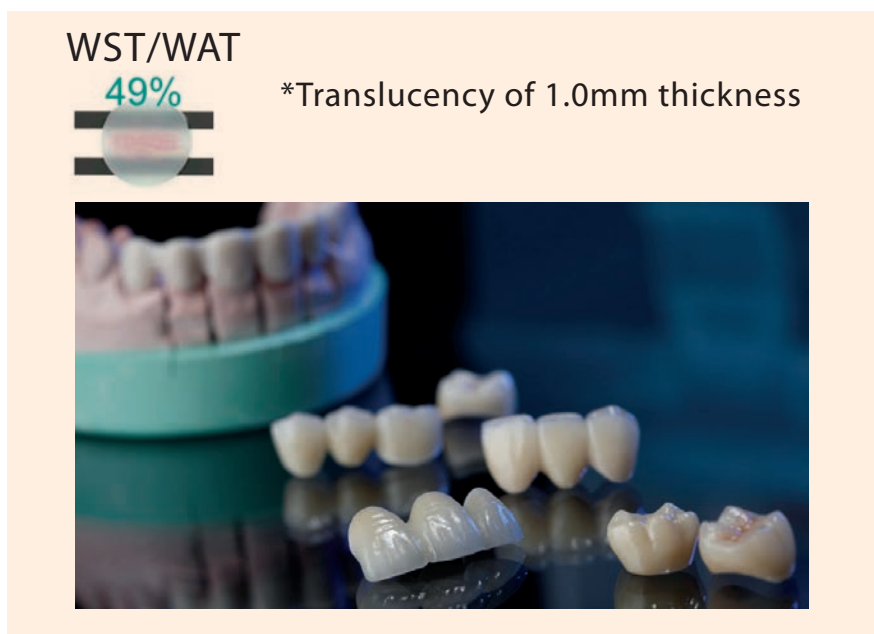


Russian Registration

White AT (ST)

Advantages

- Superior translucency
- Aesthetic function
- Lifelike translucent appearance



WST/WAT Zirconia Block has the superior translucency to match the beauty of the natural teeth that are beside the ones in need of restorations. Restorations made of ST/AT block shall help you retrieve the smiles with confidence which have been lost for a long time.

Indications

Crown, Anterior esthetic restorations.

Property

PROPERTY	DATA
Green Density	3.27g/cm ³
Density	6.05g/cm ³
Flexural Strength	600MPa
Radioactivity	0.019Bq/g
Light Translucency	49%

Delivery form

- 1 disc/pack, 12 packs/case

Dimensions



















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











Pre-shaded AT (ST)

Advantages

- Excellent pre-shading effect
- Stable performance
- Effective and time saving

Light Translucency Rate

	A1	A2	A3	A3.5	A4	B1	B2	B3	B4
Thickness =1mm	 44	 42	 41	 38	 34	 44	 43	 41	 40
Thickness =0.6mm	 49	 47	 47	 46	 43	 49	 48	 47	 47

	C1	C2	C3	C4	D2	D3	D4
Thickness =1mm	 42	 40	 37	 32	 39	 39	 39
Thickness =0.6mm	 48	 46	 43	 42	 46	 46	 45

16 A-D shades pre-shaded in Anterior Translucency (AT) Zirconia Block can save more time in restoration fabrication. Pre-shaded blocks serve you with predictable success.

Indications

Single crown (Anterior), Bridge (≤ 3-unit Bridge), Veneer, Inlay.

Property

PROPERTY	DATA
Green Density	3.27g/cm ³
Density	6.05g/cm ³
Flexural Strength	600MPa
Radioactivity	0.019Bq/g
Light Translucency	40%

Delivery form

- 1 disc/pack, 12 packs/case
- 16 A-D shades

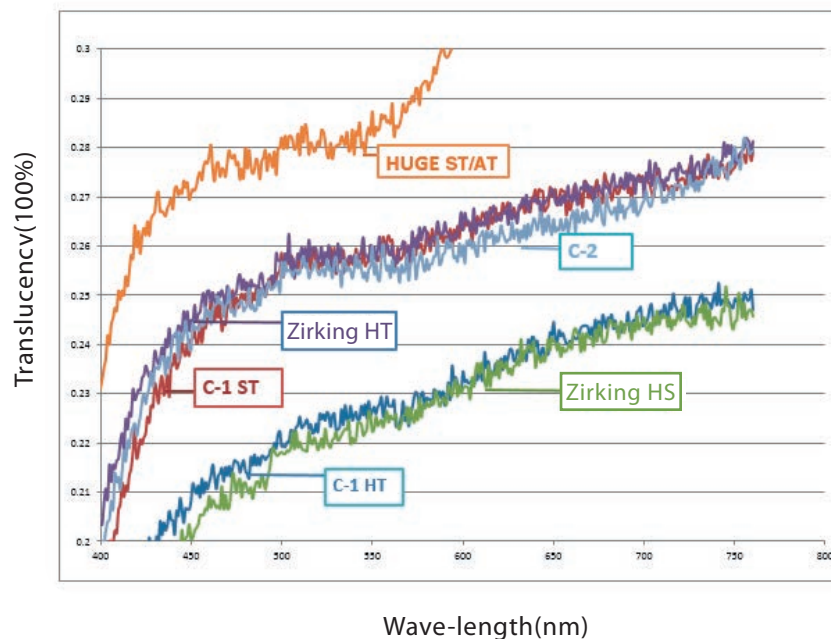
Dimensions

- See page 15

White HT

Advantages

- High translucency
- Absolute bio-compatibility
- Complete versatility



The table above shows that HUGE Zirking has higher translucency than C-1 company and C-2 company.

Indications

Full contour of single crown, Bridge, Maryland Bridge, Inlay.

Property

PROPERTY	DATA
Green Density	3.30g/cm ³
Density	6.07g/cm ³
Flexural Strength	1200MPa
Radioactivity	0.019Bq/g
Light Translucency	41%

Delivery form

- 1 disc/pack, 12 packs/case

Dimensions

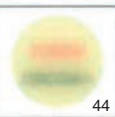
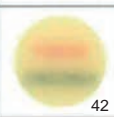
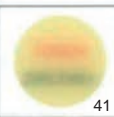
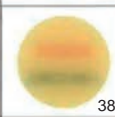
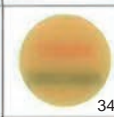
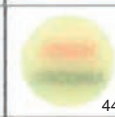
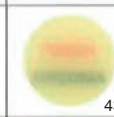
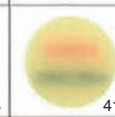
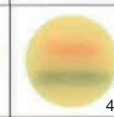
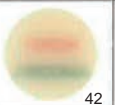
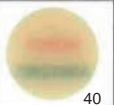
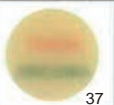


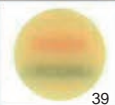

- See page 15

Pre-shaded HT

Advantages

- High translucency Simplify the fabrication of restoration
- 16 A-D shades available

Light Translucency Rate

	A1	A2	A3	A3.5	A4	B1	B2	B3	B4
Thickness =1mm	 44	 42	 41	 38	 34	 44	 43	 41	 40
	C1	C2	C3	C4	D2	D3	D4		
Thickness =1mm	 42	 40	 37	 32	 39	 39	 39		

Pre-shaded high translucent Zirconia Block has not only the high translucency but also the strength (1200 MPa). 16 shades make it easier and faster to create a full contour restoration than ever.

Indications

Single crown, Bridge, Maryland bridge, Inlay.

Property

PROPERTY	DATA
Green Density	3.32g/cm ³
Density	6.08g/cm ³
Flexural Strength	1200MPa
Radioactivity	0.019Bq/g
Light Translucency	34%

Delivery form

- 1 disc/pack, 12 packs/case
- 16 A-D shades

Dimensions

- See page 15

Multilayer HT



HUGE Multilayer Zirconia Block comes because the time is summoning it. It allows technicians to produce, in a much easier way without complicated handcrafting procedures, natural tooth like dental restorations.

▪ Indications

Full contour of single crown, Bridge, Maryland Bridge, Inlay, Bridges.

▪ Advantages

- Pre-shaded multiple layers
- Natural and smooth layering
- Delicate esthetic effect

▪ Delivery form

- 1 disc/pack, 12 packs/case

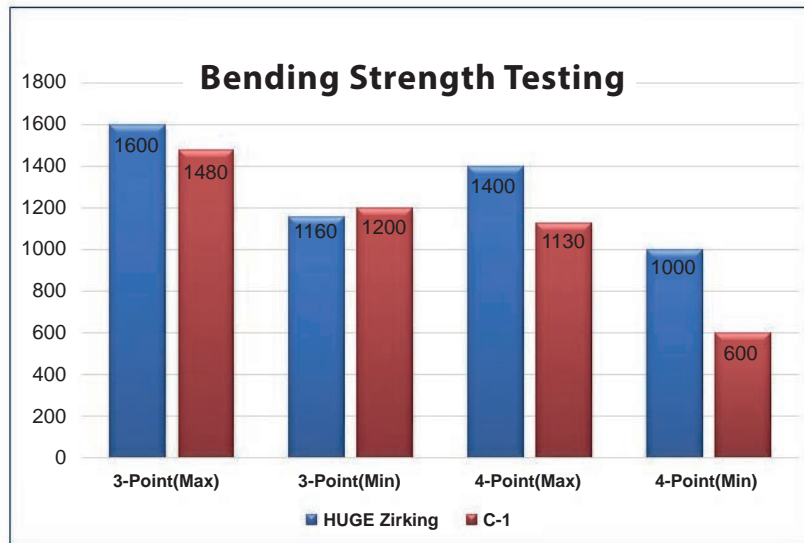
▪ Dimensions

- See page 15

White HS

Advantages

- High strength
- Absolute bio-compatibility
- High machinability and less fracture



HUGE High Strength(HS) Zirking can be fabricated into the strongest restorations. The table above shows the bending strength range between HUGE and the other manufacturer. 3-Point Bending strength is important, but 4-point bending strength testing can, more accurately, find out where the weakness in strength lies.

Indications

Full contour crown, All ceramic crown, Multi-unit bridges, Inlay.

Property

PROPERTY	DATA
Green Density	3.10g/cm ³
Density	6.08g/cm ³
Flexural Strength	1400MPa
Radioactivity	0.019Bq/g
Light Translucency	35%

Delivery form

- 1 disc/pack, 12 packs/case

Dimensions

- See page 15

Sintering Charts

▪ Crowns (HT/AT) and Bridges (HT, ≤5 units)

STEP	START TEMPERATURE (°C)	END TEMPERATURE (°C)	TIME (MIN)	RATE OF CLIMB (°C/MIN)
Step 1	0	300	30	10
Step 2	300	1000	40	17.5
Step 3	1000	1450	112.5	4
Step 4	1450	1450	120	Holding
Step 5	1450	700	60	12.5
Step 6	700	Room temperature	Cool naturally	—

▪ Bridges (HT, >5 units)

STEP	START TEMPERATURE (°C)	END TEMPERATURE (°C)	TIME (MIN)	RATE OF CLIMB (°C/MIN)
Step 1	0	300	30	10
Step 2	300	1000	100	7
Step 3	1000	1450	225	2
Step 4	1450	1450	150	Holding
Step 5	1450	800	130	5
Step 6	800	Room temperature	Cool naturally	—

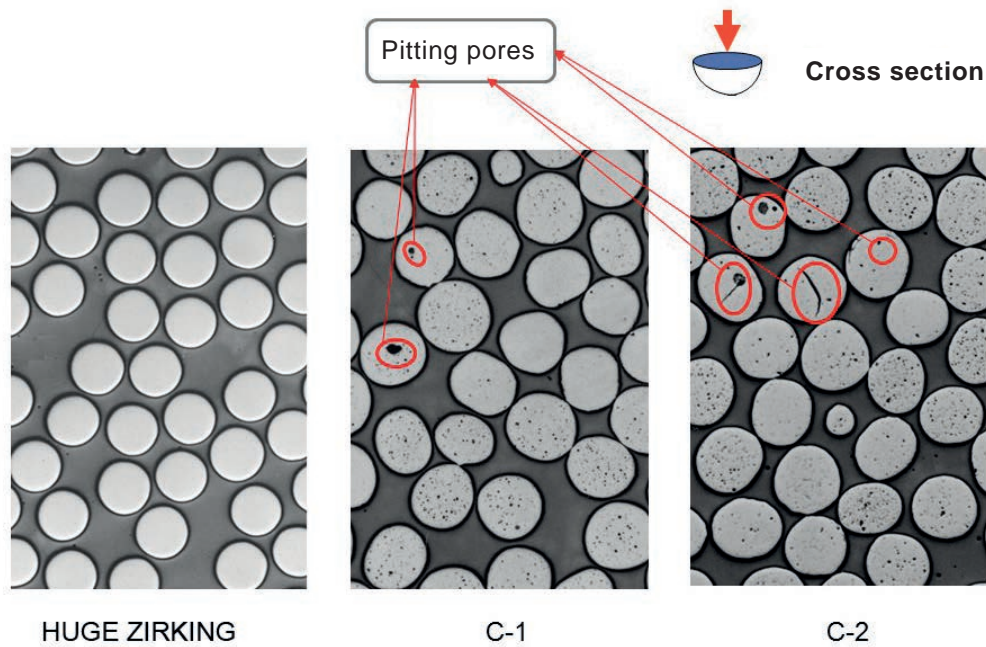
▪ Crowns (HS) and Bridges (HS, ≤5 units)

STEP	START TEMPERATURE (°C)	END TEMPERATURE (°C)	TIME (MIN)	RATE OF CLIMB (°C/MIN)
Step 1	0	300	30	10
Step 2	300	1000	40	17.5
Step 3	1000	1500	125	4
Step 4	1500	1500	120	Holding
Step 5	1500	720	60	13
Step 6	720	Room temperature	Cool naturally	—

▪ Bridges (HS, >5 units)

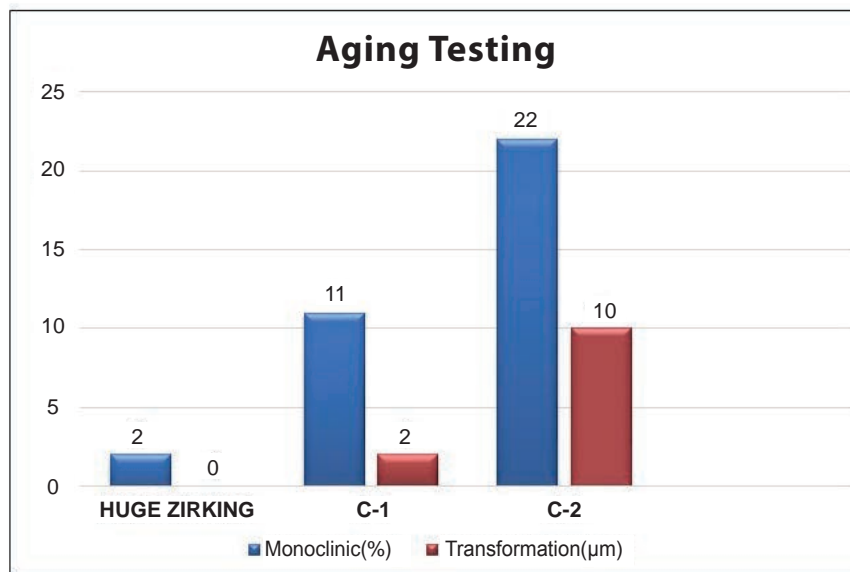
STEP	START TEMPERATURE (°C)	END TEMPERATURE (°C)	TIME (MIN)	RATE OF CLIMB (°C/MIN)
Step 1	0	300	30	10
Step 2	300	1000	100	7
Step 3	1000	1500	250	2
Step 4	1500	1500	150	Holding
Step 5	1500	800	140	5
Step 6	800	Room temperature	Cool naturally	—

Absolute High Strength Due to the Micro Level Texture



Cross section comparison of the particle of the raw material particles under electron microscopes. Pitting pores weaken the strength and the lifetime of the restorations.

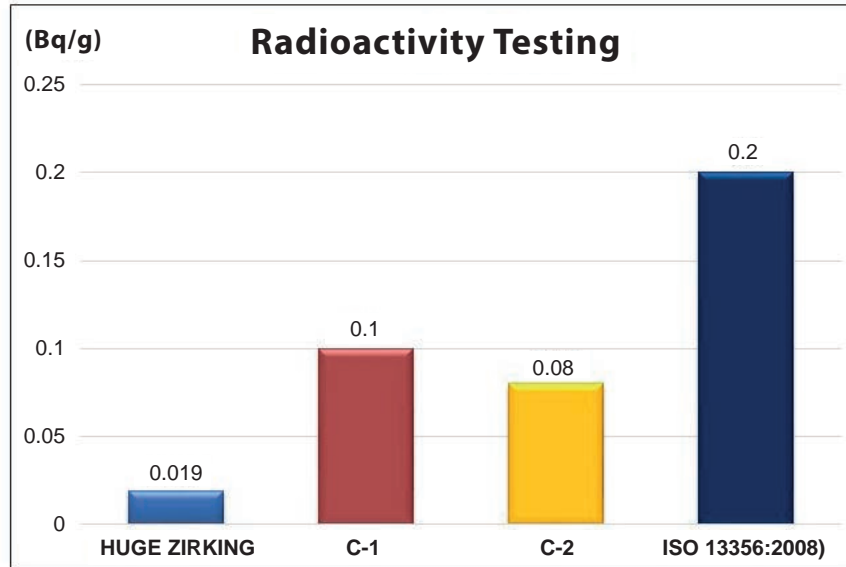
Strength In Consistence



134°C in hot pure water for 5 hrs

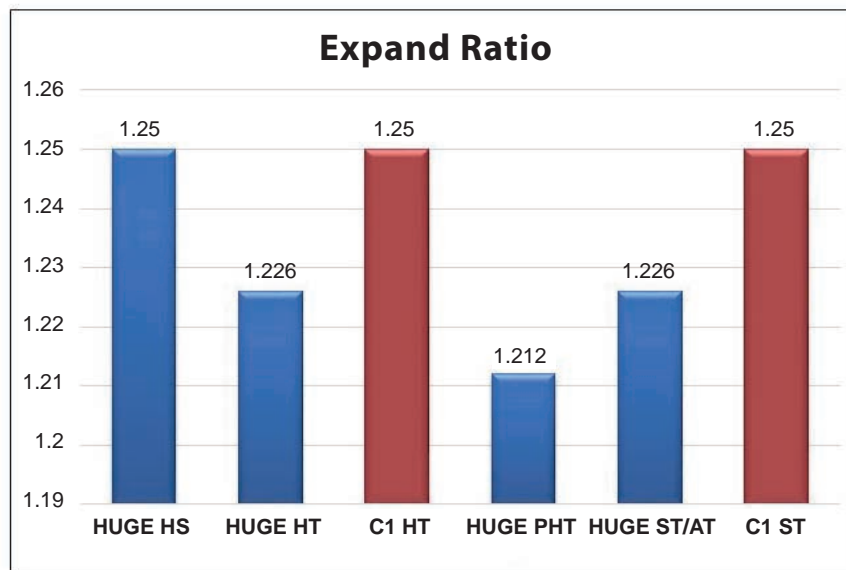
In the damp environment, the crystal structure of zirconia on the surface would transform from quadratic crystal into monoclinic crystal. This transformation damages the stability of crystal structure, which exhausts the strength of the restorations. To guarantee the patients a "Don't Worry", strength in consistence is always needed.

Low Radioactivity



Scientifically known that some of the radioactive materials has the ability to penetrate living matter to a certain extent and can change the structure of struck molecules. In most cases such change can be considered to be damage, with results possibly as severe as cancer or death. If the struck molecule is DNA, it can cause spontaneous mutation. Every batch of powder has been tested to assure the radioactivity level is safe for use.

Maximum Material Utilization



Expand ratio, it refers to the effective material utilization. The lower the ratio, the higher material utilization. HUGE Zirking has lower expand ratio due to the continuous development of HUGE Manufacturing technique. It will extraordinarily serve you by higher material utilization and lower extra expense.

Cautions in Restoration Fabrication

- When detaching the milled crown or bridge from the disc, to avoid fractures in the restoration, please caution that the rotation speed of the handpiece should be no more than 10,000 rev/min.
- When refining the fossa of premolars and molars, to avoid fractures in the restoration, make sure the fissure bur is sharp enough.
- After refining and before coloring procedure, use brush to clean the dust inner and outer surface of the restoration.

Ceramic Powder



▪ Indications

· Ceramic powder is veneering material for both zirconia crowns and bridges and castable ceramic crowns. Its excellent layering makes it special for esthetic restorations.

▪ Advantages

- Strong adhesion and low shrinkage;
- Low mobility and easy to shape;
- small particles and fine and smooth

▪ Delivery forms:

· 3g/bottle, 5g/bottle, 20g/bottle

Painting Liquid



▪ Indications

· Coloring liquid is applied for the dyeing crowns and bridges made of white zirconia block.

▪ Advantages

- 16 A-D shades, easy to choose and meet varied demands;
- Natural color reproduction;
- Simple operation.

▪ Delivery forms:

· 20ml/bottle

Casting Wax

▪ Advantages

- Easy to mill
- High melting point
- Burn out

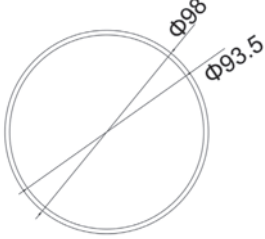
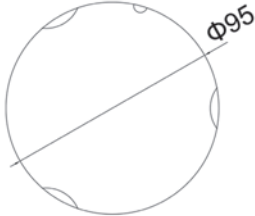
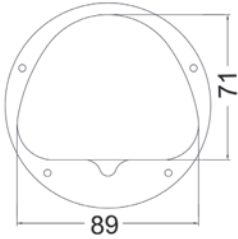
▪ Indications

- To fabricate male mold for oral hard and soft tissue or restoration model.



▪ Property

PROPERTY	DATA
Density	0.89-0.93g/cm ³
Drop Melting Point	116°C
Shore Hardness	50-60Shore D

SYSTEM	DIMENSION	PACK	SHADE	WAX DISC
OPEN SYSTEM 	Φ98 x 10(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ98 x 12(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ98 x 14(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ98 x 16(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ98 x 18(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ98 x 20(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ98 x 22(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ98 x 25(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ98 x 30(mm)	1 DISC/PACK	BLUE/WHITE	✓
Z-95MM SYSTEM 	Φ95 x 10(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ95 x 12(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ95 x 14(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ95 x 16(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ95 x 18(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ95 x 20(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ95 x 22(mm)	1 DISC/PACK	BLUE/WHITE	✓
	Φ95 x 25(mm)	1 DISC/PACK	BLUE/WHITE	✓
A-71MM SYSTEM 	89 x 71 x 13(mm)	1 DISC/PACK	BLUE/WHITE	✓
	89 x 71 x 20(mm)	1 DISC/PACK	BLUE/WHITE	✓

3S CONCEPTION

Concentrate on the products with core technology and endeavor to be the specialist of them.

Providing **S**afe product for our consumers

Providing reliable product to our partners, and help them to be **S**uccessful

Providing **S**ecure and challenging working environment

RESEARCH & DEVELOPMENT

Application & Pre-production Center of R&D (Rizhao)

Located in Rizhao City Shandong Province, which is engaged in the development and application of high-tech dental materials and technology.

Teeth Mold Design Center (Shanghai)

Led by general engineer Mr. Yifeng Wu who has more than 30 years' professional experience and ever studied in Germany, is in charge of synthetic polymer teeth molding, designing and manufacturing of CNC die.

Dental Digital Development and Application Center (USA)

Located in the United State, owns the mature and advanced 3D digital technology, focusing on the research of the application of 3D digital technology on the dental restorations.

Material Development Center (Peking)

Led by Prof. Hengchang Xu, leader of China dental material science, doctor tutor and former deputy dean in Peking University School of Stomatology, responsible for the material development with professional R&D team.

HUGE

the leading dental material manufacturer in China ...



Founded in 1985, Huge Dental Material Co., Ltd is the first Sino-Japanese joint venture in Shanghai China. In 2014 Huge Dental was formed into Shandong Huge Dental Material Corporation (SHD for short) which is a professional supplier of high quality dental materials. With headquarter located in Shanghai, SHD has production base located in Hi-tech Development Zone, Rizhao City, Shandong Province. The production base has more than 300 employees and covers an area of 33,000 m² including 10,000 m² of manufacturing and researching plant. In China, SHD is the largest synthetic polymer teeth manufacturer with the #1 market share and annual production capacity of over 60 million teeth. Owing highest level of R&D department and world-class technology, SHD can meet

different needs of synthetic polymer teeth lines from all over the world and has been exporting its products to over 100 countries and regions. SHD is the first company who has achieved mass production for high quality silicone impression materials in China, which have won recognition, trust and high approval from the clients. Silicone impression materials have been exported to more than 20 countries, such as United State and European countries, etc. SHD has launched into market the high quality Zirking all-ceramics disc blocks, which have been exported to more than 10 countries and regions. SHD has newly developed the world-leading dental CAD/CAM PMMA disc blocks of multi-layers and varied colors, which will be the driving force for

the development of digital dental technology. SHD implements the most stringent quality standards in the industry. The company has passed the ISO9001, ISO13485, JIS(Japan) and CE(EU). SHD sincerely hopes that, with joined hands, we can grow up together with all you distinguished global dental product agents and distributors.



MEMORABILIA

1985

Established as the first Sino-Japanese joint venture in Shanghai;

1986

HUGE products started to be sold in Japan and East Asian countries;

2004

HUGE was restructured, more funds were injected;

2005-2006

- CAD/CAM tooth molding center was established;
- High molecular weight Double Cross Link material was applied;
- New 4-layer and 5-layer effect synthetic polymer teeth were produced;
- Started to market 7 teeth ranges with different mould design which can be applied worldwide;

2007-2008

- HUGE RIZHAO manufacturing center was set up:
 - 8,000 m² factory was built on a 30,000 m² plant;
 - annual capacity reached 25 million tooth;
- Started the exportation to European countries;
- Composite teeth range was developed;
- Long-centric occlusal pattern/ Seniors teeth range was developed;

2009-2010

- Became the largest synthetic polymer teeth manufacturer in China;
- Became the only teeth manufacturer who possesses CE, FDA and JIS certifications.
- Exported to 30 countries;
- Supply of PMMA Blocks and PERFIT A Silicone impression material started;

2011-2012

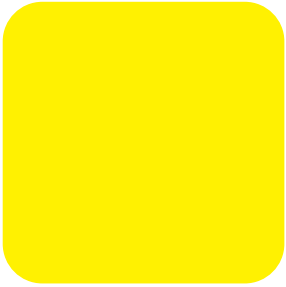
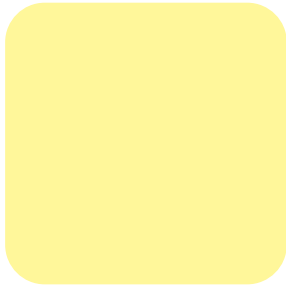
- Won National Certification of New Hi-Tech Enterprise;
- Exported to 60 countries;
- KAIJING teeth range sold #1 in China;
- PERFIT A Silicone sold #1 in China;

2013-2014

- American Huge was founded, and Huge exported to 80 countries;
- Acquired Enjoy Laboratory, which is the most advanced Glass Ionomer Cement material research and development center in China;
- Launched Zirconia Block, Light-Curing Individual Tray and Ceramic powder;
- HUGE has more than 300 employees, 40,000 m² industry zone with 10,000 m² workshops and 10,000 m² staff dormitory, annual capacity of 60 million pieces of teeth.

2015-2016

- HUGE listed on NEEQ;
- Supply of Glass Ionomer Cement started;
- Perfit A Silicone continued #1 sales in China.



Shandong Huge Dental Material Corporation

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