

HUGE

Synthetic Polymer Teeth Solutions

FROM A **DIGITAL** PERSPECTIVE



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The Leading Dental Material Supplier

- HUGE Dental, Shandong Hugu Dental Materials Corporation, was founded in 2006 in Rizhao Shandong, China. Rizhao Shandong was named by the United Nations as one of the best cities for residences. HUGE Dental integrates R&D, manufacturing, as well as sales and service of dental products. Today there are four R&D centers functioning independently in Beijing, Shanghai, Qingdao, and Rizhao.
- Implementing strict QC standards for dental industry, HUGE Dental has passed the CE(EU), FDA(USA), MDL(Canada), ISO13485 and other quality system certifications and product registrations. Its products have been exported to more than 100 countries or regions all over the world. More than 50 million people are using HUGE products.
- HUGE Dental will continue to focus on innovation to provide customers with integrated dental solutions. HUGE Dental has been committed to becoming one of the most influential dental medical brands in the world.

HISTORY

2006-2010

HUGE was restructured and refreshed into the research and design of high-quality dental materials. The CAD/CAM tooth molding center was established. 8 ranges of teeth with different mould design that can be applied to all races worldwide were launched.

HUGE RIZHAO manufacturing center was set up and became one of the largest synthetic polymer teeth manufacturers in China.

2011-2016

National Certification of New Hi-tech Enterprise was awarded to HUGE. The company was listed with NEEQ in 2015, and in the same year, HUGE acquired Enjoy Laboratory which is one of the most advanced Glass Ionomer Cement material research and development lab in China.

Many newer dental products such as PMMA BLOCK, Zirconia Block, Light Curing Tray, PERFIT A Silicone Elastomeric Material and Glass Ionomer Cement were launched. HUGE products were exported to 80 countries.

KAIJING Synthetic Polymer Teeth and PERFIT Elastomeric Impression Material are one of the most popular brands that are widely used in the Chinese market.

2017-2020

HUGE R&D Center and HUGE India begin operations. Invisible Orthodontic Solution was launched. Many more new products for adhesive, direct restorations and indirect restorations are to be launched.

2021

New plant was put into production for dental clinical materials. The Gradient Multilayer - 3D Zirconia and 4th generation Acrylic teeth were launched.

2022-

HUGE Dental established our branched brand NOBILDENT specifically tailored to serve the American market which is quickly gaining recognition among dental laboratories across the United States. While launching our oral scanner with digital design system suppliers like Exocad and 3 Shape, and preparing to debut our new digital artificial tooth line, HUGE is becoming a promising and reliable partner in digital dentistry.



Automated Mass Production—

250,000 teeth each day



WHAT WE HAVE

Impressive Productivity and Reliable Quality

Backed up by our innovative and powerful automated moulding system, HUGE factory not only achieves high productivity producing totally 250,000 teeth each day, but also provides products stable in CPK and with excellent consistency in all aspects.



Strong R&D Strength

Concentrate on products themselves, HUGE R&D team endeavors to be the specialist in the field of dental materials with its core technology and innovative spirit.



- Beijing R&D Center

Covering an area of 300 square meters, Beijing R&D center focuses on the independent research and development of composite resin materials and glass ionomer cement.



- Rizhao R&D Center

HUGE is equipped with 1,000 square meters of R&D laboratory in Rizhao, dedicated to the development and innovation of international high-quality dental clinical products and lab products.



- Qingdao R&D Center

Qingdao R&D center focuses on digital dental medical devices, medical software development and digital design in the field of dental medicine.



- Shanghai R&D Center (In preparation)

The center is equipped with a 1012.31 square meter R&D laboratory, which is committed to the development and innovation of high-end digital dental products.

Comprehensive Certification System

To achieve the goal of being a global leading supplier of high-quality dental material, HUGE implements the most stringent quality standards in the industry, which enables it the only Chinese acrylic teeth manufacturer with American FDA certification, Canadian registration and Japan JIS registration.



FDA



MDL



CE



ISO13485

HUGE Synthetic Polymer Teeth PROSTHETIC SOLUTIONS — for reliable, durable and natural dental prosthetics



DIGITAL PROSTHETIC

High-efficiency digital dentures with CAD/CAM and prefabricated teeth: MAIST, KAIPLUS, KAIJING, Sonning, Bluebell, KAILI

HUGE PROSTHETIC SOLUTIONS



IMPLANT PROSTHETIC

Vivid multi-layered design concept for natural results: IMPLA, MAIST, KAIPLUS



CONVENTIONAL PROSTHETIC

Popular shades and moulds in variation for all cases. KAIJING, Bluebell, KAILI

DIGITAL PROSTHETIC SOLUTION—

provide impressive efficiency and great productivity

01 Oral scan



02 Choose tooth and design: MAIST, Sonning, KAIJING, KAIPLUS, Bluebell, KAILI



04 Bond Teeth

03 Base made with Pink PMMA Block or 3D printed

MAIST/Sonning/Digitalife/ Digital Bond Solution

As digital dentistry grows in the dental prosthetic world, us traditional prefabricated teeth manufactures strive to find our place.

MAIST and Sonning are now two of the most popular teeth in the European market to be used in a digital prosthetic process.

Soon we will be launching a new *Digitalife* tooth line that will be sure to excel in digital prosthetics.

MAIST

- Available in digital dental design system like EXOCAD and 3 Shape(coming soon)
- Natural and lively shape and color
- High-performance durable material
- Various ideal moulds and shades for all cases



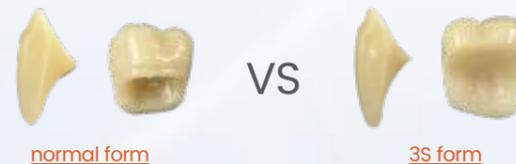
Sonning

- Available in digital dental design system like EXOCAD and 3 Shape(coming soon)
- Thicker enamel design produce better wear-resistance
- High-performance durable material
- Various ideal moulds for all cases
- Popular 16 classical shades and 2 bleaching shades: A00, A0



Digitalife

Based on moulds of Sonning, special treatments on forms are adopted to achieve easier bonding between prefabricated teeth and digital denture base



- Shorter in neck and concave ridge lap
- Smoother surface design
- Simpler bonding operation spares grinding



HUGE TEETH IN DIGITAL DENTAL SYSTEMS



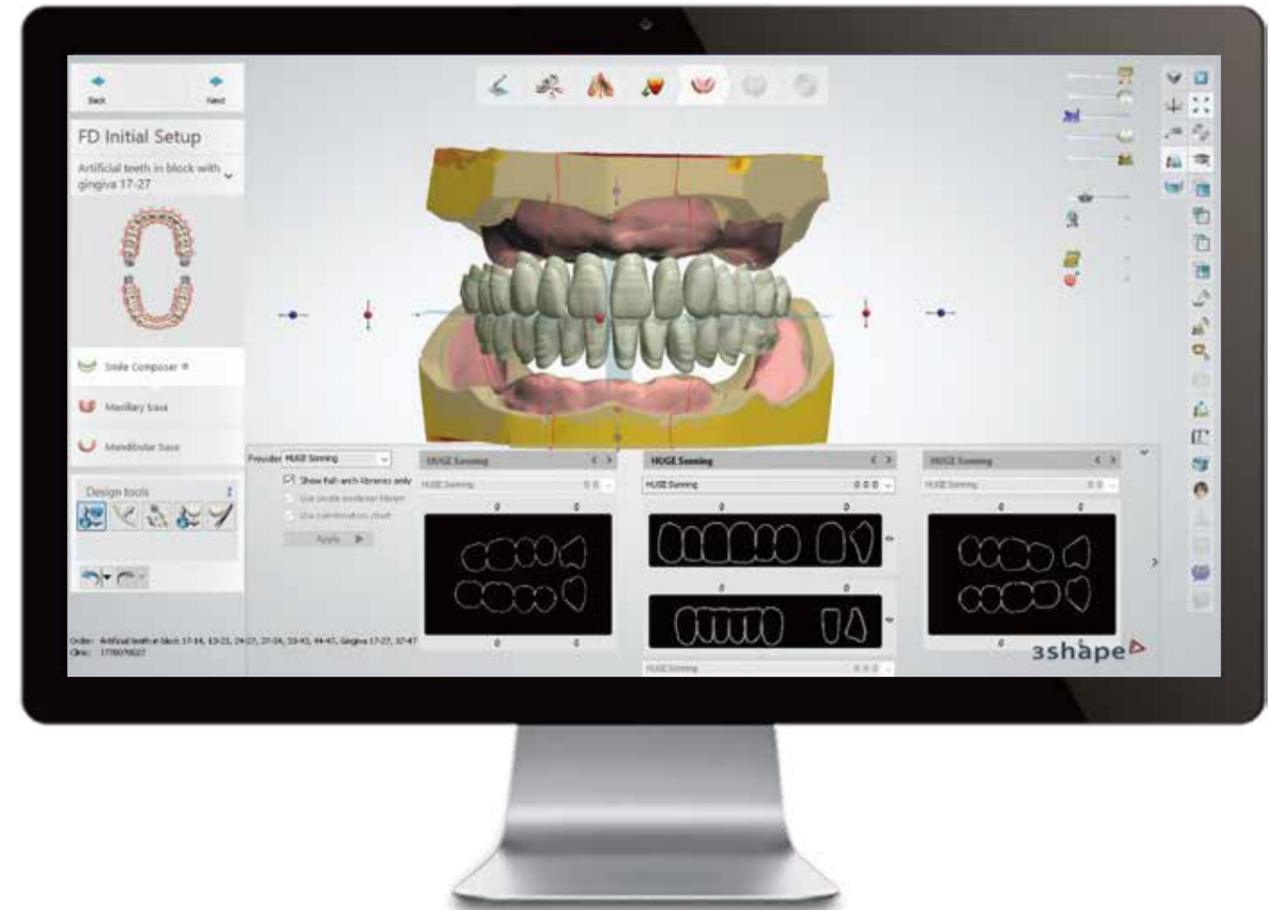
–Teeth lines with approved denture tooth libraries in EXOCAD: MAIST, Sonning, KAIPLUS, KAIJING, Bluebell, KAILI



All functions open and available



– All of HUGE teeth lines' libraries: MAIST, Sonning, IMPLA, KAIPLUS, KAIJING, Seniors, Bluebell and KAILI will be available in 3 Shape Dental System soon



HUGE Digital Bond Solution-

for efficient adhesive bonding of denture teeth



HUGE Digital Bond System

- MMA-based, self-curing, two-component bonding system
- For achieving an efficient adhesive effect between artificial denture teeth and the denture base
- Promises precise, watertight fixation of the prefabricated teeth in the cavity

Specifications — HUGE Digital Bond Kit

Products	Description
HUGE Digital Bond A	 ×1 (100g×1)
HUGE Digital Bond B	 ×1 (100ml×1)
Microbrush	 ×3 (3pcs)
Measuring spoon	 ×1 (1pcs)
Measuring cup and container	 ×1 (1pcs)
Stirrer	 ×1 (1pcs)
Pipette	 ×1 (1pcs)

IMPLANT PROSTHETIC SOLUTION-

promise exceptional individuality and sound function

take X-ray and decide the placement location for the dental implants **01**

Place implant inside the bone and add locator platform **02**

Take impressions and place supported denture onto model **03**

dentures with holes for implants **04**

insert implant dentures **05**

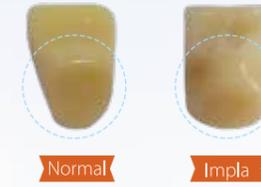


IMPLA/MAIST/KAIPLUS

For implant prosthetics, achieving the easy adaption of abutment to denture teeth might be what many technicians concern about. IMPLA, MAIST and KAIPLUS are recommended for this solution by their special wide neck and smooth concave ridge design as well as excellent mechanical strength.

IMPLA

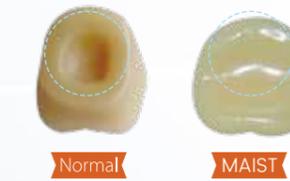
- Wide-neck design with no preparative hole on posterior, highly suitable for making implant-supported denture and compatible for individual abutment



- Natural and lifelike 5-layer design, highly esthetic
- High molecular weight DCL material, longer durability

MAIST

- Smooth concave ridge lap design allow easy adaption of individual implant abutment



- Vivid multi-layered outlook
- Wide range selection of moulds
- Standard classical 16 A-D shades and popular bleaching shades

KAIPLUS

- High mechanical strength, easy to drill implant holes



- Multi-layer design concept providing natural vividness
- Micro-fillers added offering excellent hardness
- Wearing and staining resistance standing out in composite teeth

CONVENTIONAL PROSTHETIC SOLUTION-

provide various individual choices and reliable quality

01. Take first impression



02. Make individual tray



03. Take second impression



04. Set teeth up



05. Duplicate wax pattern



06. Inject denture base material



KAIJING/Bluebell/KALI

Although there is a sustainable trend for digital dental prosthetics, need for reliable traditional removable dentures still exists. HUGE's globally popular tooth series KAIJING, Bluebell, and KALI are the perfect fit for conventional prosthetics.

KAIJING

- Natural shading transition from layer to layer
- Anatomical 3D shape design
- Crystal-like surface after grinding and polishing
- Resist coloring with its DCL material



Bluebell

- High-quality raw material providing durability
- Classical shade system, 16A-D available
- No-wax carding, easy to use
- Advanced moulding technology producing stable-in-shape and color teeth after processing



KALI

- Bio-forms of tapering and square moulds for choice
- Over 35 years' experience in clinical use, ensure reliable quality
- Classical 16A-D shades available
- Highly cost-effective



OTHER LAB PRODUCT SOLUTIONS-

for easy, precise and desirable dental prosthetics

In addition to Synthetic Polymer Teeth, the main product for dental laboratories, HUGE also provides other useful auxiliary laboratory materials to facilitate the prosthetic workflow and to fulfill needs of dental technicians.



Denture Base Solution-

for natural and durable base fabrication



Denture Base Polymers

- Natural and lifelike
- Minimum shrinkage
- High flexural strength
- High quality with no bubbles
- Vivid and abundant esthetic bio-shades

Classification

- Traditional Heat Curing
- Fast Heat Curing
- Self Curing

Specifications	
Products	Description
Denture Base Polymers-Powder	 ×1 (100g×1)
Denture Base Polymers-Powder	 =  ×10 (100g×10bags, 1000g×1)
Denture Base Polymers-Liquid	 ×1 (500ml×1)

Individual Tray Solution-

for easy and precise impression



Light Curing Tray

- Easy operation with a preformed plate
- Efficient fabrication, 1-min operation and 3-min setting
- High dimensional stability with a high flexural modulus

Light Curing Unit

- Easy operation
- Fast setting ability in 3-5min
- All voltage available: 110V and 220V

Specifications	
Products	Description
Light Curing Tray	 ×1 (50pcs×1)
Light Curing Tray	 ×1 (2pcs×1)
Light Curing Unit	 ×1 (1 unit×1)

Artificial Gum Solution-

for easy, accurate and esthetic artificial gum fabrication



A-Silicone for Gingival Mask

- Precise detail reproduction
- High mechanical strength
- Excellent esthetic results
- Compatible with various techniques (direct and indirect)
- Available hardness: Shore A 70 and Shore A 40

Specifications-Gingiva Elite Kit	
Products	Description
A-Silicone for Gingival Mask	×2 (50ml×2)
Mixing tips	×12 (12pcs)
Intraoral tips	×12 (12pcs)
Dental Separator for Silicones	×1 (10ml×1)

Lab Putty Solution-

for easy and detail-replicating duplication



A-Silicone for Laboratory

- Easy mixing ratio 1:1
- High detail replication
- Reliable dimensional stability over time
- Resistant to high temperature up to 200°C

C-Silicone for Laboratory

- Low deformation rate
- Precise reproduction of detail
- Available hardness: Shore A 85 and Shore A 90
- Resistant to high temperature up to 200°C

Specifications-Gingiva Elite Kit	
Products	Description
A-Silicone for Laboratory	(5kg Base+5kg Catalyst)
A-Silicone for Laboratory	(450g Base+450g Catalyst)
C-Silicone for Laboratory	(10kg Base+5×40g Catalyst)
C-Silicone for Laboratory	(5kg Base+2×40g Catalyst)

TEETH ACCESSORIES

Teeth Shade Guide

Shade Guide A:



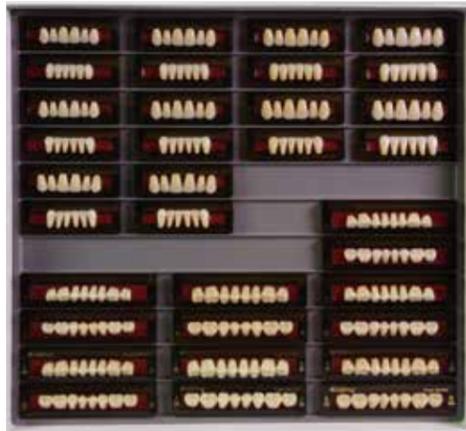
16 A-D world popular shades, available for customized 20 shades.

Shade Guide B:



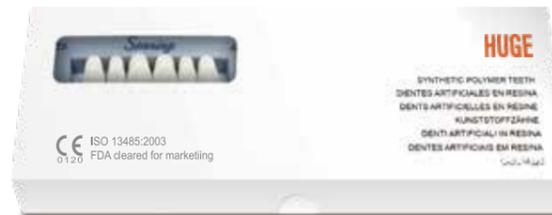
16 A-D and 4 bleaching shades: BL1, BL2, BL3, BL4

Teeth Mould Guide



28×1 Teeth Sample Pack

With one full set teeth inside, the sample pack is convenient for technicians to try teeth on any kind of case. Scuttle showing upper anterior makes it easier for customers to check shade and mould design of teeth directly.



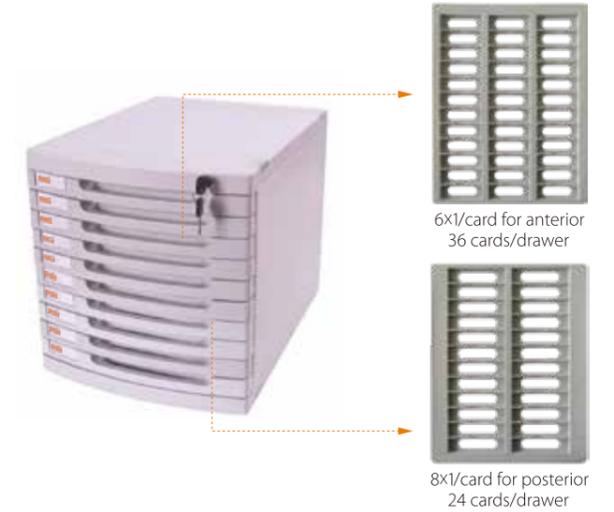
Separated Teeth Pack

Separated teeth are packed in a transparent plastic box. Teeth from a certain line and with same size and shade, i.e. of same position are packed in this box, which satisfies customers who have needs for separated teeth.



Teeth Cabinet

The cabinet has 10 drawers.
 Size: 395*295*325mm
 Weight (Empty): 5.5kgs. Weight (Full of Teeth): 11.6kgs.
 Color: Grey, Blue
 Material
 - Duroplasts material and grey plastic inside lining
 Suggested placement
 - 4 drawers for anterior teeth, 144 cards in total;
 - 6 drawers for posterior teeth, 144 cards in total.



Denture Box

Daily care of denture
 - Please rinse denture using clean water to prevent peculiar odor.
 - Periodic sterilization is required to remove dental calculus and plaque on surface of denture.



Denture Box Use Instruction



Seal the water-filled denture box inside waterproof package before carrying.



The S shape is designed to posit complete denture, upper jaw should be placed on large-curve side, lower jaw should be placed on small-curve side (see position A). Denture cleaning pills can be stored in position B.

Easy Brush Use Instruction



White brush is for cleaning denture teeth; Black brush is for cleaning metal part.