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# ATbio

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China's first dental restorative materials manufacturer

# BRAND STORY

**AT&M Biomaterials Co., Ltd.** undertook a research project on dental material manufacturing technology in the National 863 Scientific Research Plan, and worked closely with teams from Peking University School of Stomatology and West China University of Medical Sciences to jointly develop patented technologies for "dental polymer-based filling and restoration materials" and "methods of using nanofibers to reinforce and toughen resin matrix composites". AT&M Biomaterials Co., Ltd. is the first company in China to obtain the registration certificate for dental filling resin (NanoFiL light-cured composite resin). Among the many dental material products on the market, NANOFIL light-cured nano-resin products have become the first products in the country to obtain a Class III dental resin registration certificate. The products produced by AT&M Biomaterials Co., Ltd. are sold in more than 100 countries abroad, including light-cured composite resin, dental phosphate etchant gel, light-cured composite flowable resin, dental pit and fissure sealant, dual cure core resin cement, dental bonding agent, glass ionomer luting cement, dental silicone rubber impression materials, etc.

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# ATBIO

Making Products Trustworthy for Dentists Around The World

National Engineering Laboratory  
for Digital and Material Technology  
of Stomatology



Beijing's "Specialized, Refined,  
Unique, and Innovative" Small or  
Medium-sized Enterprise



High-Tech Enterprise Certificate



Zhongguancun High-Tech Enterprise



# CORPORATE CULTURE

## **Our Mission:**

A manufacturer specializing in the R&D and innovation of multifunctional integrated dental materials. Make a positive and lasting contribution to the world's natural environment and human oral health.

**Our Core Values:** Our corporate culture is built upon a foundation of:

- **Freedom:** Empowering our team with the autonomy to innovate.
- **Love:** Fostering a compassionate and positive work environment.
- **Creativity:** Driving forward-thinking solutions through imaginative design.

**Our Business Philosophy:** We operate on the principle of achieving fair and transparent business practices. We respect the individual contributions of every team member and collaborate closely to create lasting value for all stakeholders.

## **Our Operating Principles:**

- **Safety First:** We believe that the safety of our products and our people is the cornerstone of all our operations.
- **Customer-Centric:** We place the needs of our customers at the forefront of our business, ensuring their satisfaction drives our every decision.
- **Empirical Thinking:** We believe in a practical, on-the-ground approach to problem-solving, with a focus on real-world application and solutions.

**Our Corporate Commitment:** We are committed to delivering highly reliable products and services by consistently adhering to a customer-first business philosophy. We respect our employees and partners, maintaining open and constructive communication to build strong, cooperative relationships that foster mutual development and innovation.



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# ONELUX®

## One-Shade Universal Composite

**NANOFIL®**

**NANOFIL®** “One Shade, Infinite Possibilities. Effortless Restorations for Every Smile.”

ONELUX® One-Shade Universal Composite uses advanced self-adaptive surrounding color matching technology to automatically adjust according to the surrounding natural tooth color, providing a perfect color match.

Say goodbye to the tedious color-matching process and save both time and cost.

## ADVANTAGES

- Whether for anterior or posterior restorations, ONELUX® One-Shade Universal Composite works perfectly.
- By using ONELUX® One-Shade Universal Composite, clinicians can reduce resin inventory and no longer need to store different resins for each tooth shade.
- ONELUX® One-Shade Universal Composite maintains high gloss after curing, with long-lasting color stability and resistance to staining, keeping the restoration bright and beautiful.
- With excellent compressive and flexural strength, the restoration can withstand everyday chewing pressure, ensuring long-lasting durability.
- No more time spent mixing different shades; It is efficient, quick, and makes for a more comfortable experience for the patient.

## SPECIFICATIONS

4.0g/syringe

ONELUX® One-Shade Universal Composite offers unmatched versatility, covering a wide range of tooth shades from A1, A2, A3, B1, B2, B3, C1, C2, C3, D2, and D3, ensuring that you can achieve the ideal match for nearly every patient, no matter their natural tooth color.



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# Z250 UNIVERSAL RESTORATIVE

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup> Z250 Universal Restorative** is a nanohybrid composite resin for general use in anterior and posterior tooth restorations. This dental restorative material is available in 19 shades. It takes into account the two needs of natural beauty and dental restoration, providing a reliable solution for various clinical restoration needs.

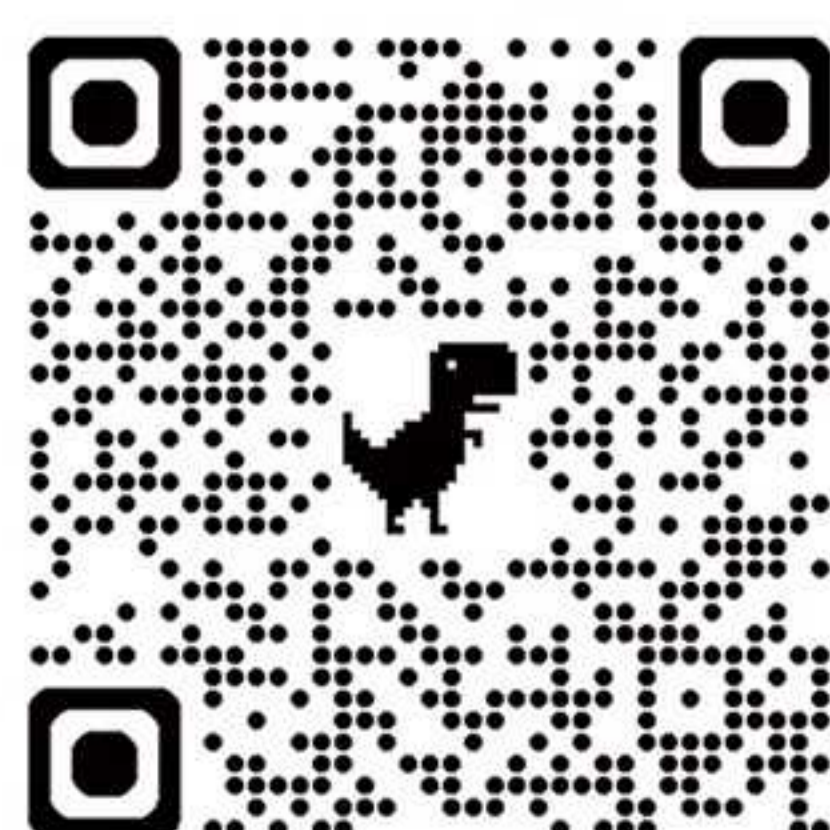
## ADVANTAGES

- Outstanding mechanical properties, including compressive strength, flexural strength, radial tensile strength, fracture toughness, etc.
- All aspects of performance are close to natural teeth.
- Layered filling and shaping to perfectly simulate natural tooth color and transparency.
- Good non-stick properties and beautiful surface gloss.
- Applicable to all bonding systems on the market.
- Low shrinkage stress.
- Excellent color stability.


## SPECIFICATIONS

**Shades:** A1、 A2、 A3、 A3.5、 A4、 B1、 B2、 B3、 B4、 C1、 C2、 C3、 C4、 D2、 D3、 D4、 M1、 M2、 M3

**Net Weight :** 4.5g/syringe 、 4g/syringe 、 2g/syringe 、



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# P60 POSTERIOR RESTORATIVE

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup> P60 Posterior Restorative** is a nanohybrid hybrid resin specifically designed for posterior restorations. Its high hardness, exceptional wear resistance, and ability to withstand masticatory forces enable it to excel in reconstructing dental cusps, while also exhibiting relatively favorable color translucency.

## ADVANTAGES

- Outstanding mechanical properties, including compressive strength, flexural strength, radial tensile strength, fracture toughness, etc.
- All aspects of performance are close to natural teeth.
- Layered filling and shaping to perfectly simulate natural tooth color and transparency.
- Good non-stick properties and beautiful surface gloss.
- Applicable to all bonding systems on the market.
- Low shrinkage stress.
- Excellent color stability.


## SPECIFICATIONS

**Shades:** A3、 B2、 C2

**Net Weight :** 4.5g/syringe 、 4g/syringe 、 2g/syringe 、



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# UNIVERSAL AESTHETIC RESIN

**NANOFIL<sup>®</sup>**

Achieve aesthetic excellence with Nanoveneer Universal Aesthetic Resin – seamlessly blending opalescent depth with VITA shade matching for undetectable anterior restorations.

## ADVANTAGES

- Outstanding mechanical properties, including compressive strength, flexural strength, radial tensile strength, fracture toughness, etc.
- All aspects of performance are close to natural teeth.
- Layered filling and shaping to perfectly simulate natural tooth color and transparency.
- Good non-stick properties and beautiful surface gloss.
- Applicable to all bonding systems on the market.
- Low shrinkage stress.
- Excellent color stability.


## SPECIFICATIONS

**Shades:** M1、 M2、 M3

**Specifications:** 4.5g/syringe 、 4g/syringe 、 2g/syringe 、



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# Z250 UNIVERSAL RESTORATIVE (SAFETIPS)

**NAVOFIL®**

**NAVOFIL® Z250 Universal Restorative ( Safetips )** is a nanohybrid composite resin for general use in anterior and posterior tooth restorations. This dental restorative material is available in 19 shades. It takes into account the two needs of natural beauty and dental restoration, providing a reliable solution for various clinical restoration needs.

## ADVANTAGES


- Outstanding mechanical properties, including compressive strength, flexural strength, radial tensile strength, fracture toughness, etc.
- All aspects of performance are close to natural teeth.
- Layered filling and shaping to perfectly simulate natural tooth color and transparency.
- Good non-stick properties and beautiful surface gloss.
- Applicable to all bonding systems on the market.
- Low shrinkage stress.
- Excellent color stability.

## SPECIFICATIONS

**Shades:** A1、 A2、 A3、 A3.5、 A4、 B1、 B2、 B3、 B4、  
C1、 C2、 C3、 C4、 D2、 D3、 D4、 M1、 M2、 M3

**Content :** 0.3g/capsule x 15 capsules



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# COMPOSITE INTRO KIT

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup>** Dental filling resin is formulated with a combination of inorganic and organic fillers. The material is designed to offer a number of benefits, including excellent handling properties and good esthetics.

## SCOPE:

Suitable for all kinds of dental caries filling and restoration  
Etching-bonding-filling in one box

## ADVANTAGES

- It contains 5 regular color resins, providing multiple choices.
- It can be used for conventional filling and restoration.
- Easy to operate, non-stick to instruments, easy to shape, reliable strength.
- The combination of shades can be customized according to different needs.

## SPECIFICATIONS

5 syringes of dental filling resin 4.5g/syringe

1 syringe (2.5ml) of dental etchant gel

1 bottle (5ml) of dental bonding agent

50 micro-applicators

10 needle tips



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# DENTAL FILLING RESIN (FLOWABLE)

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup>** Dental Filling Resin (Flowable) is a low viscosity, light activated, flowable composite. It is packaged in syringes and available in a variety of tooth color.

## SCOPE:

Class III and V restorations \ Minimally Invasive Restoration of Non-Stress-Bearing Cavities \ Base/liner under direct restorations  
Repair of small defects in esthetic indirect restorations \ Pit and fissure sealant \ Undercut blockout  
Repair of resin and acrylic temporary materials \ Cementing orthodontic brackets

## ADVANTAGES

- Versatile applications with superior performance for broad clinical use.
- Multiple shades available to seamlessly blend with natural tooth color.
- Ultra-low polymerization shrinkage (<2.4%) ensures lasting marginal integrity.
- Exceptional flowability enables deep penetration, smooth extension, and seamless adaptation to submicron gaps.
- High wear resistance preserves restorations while mirroring natural enamel resilience.
- Optimal X-ray radiopacity supports precise clinical evaluation and long-term monitoring.


## SPECIFICATIONS

**Net Weight:** 3g/syringe

**Shades:** A1、A2、A3、A3.5、B1、B2



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# DC CORE COMPOSITE RESIN

**NAVOFIL®**

**NAVOFIL®** Dual-Cure Core Composite Resin is indicated for definitive core foundation reconstruction and intraradicular post cementation. This material demonstrates an optimal balance between mechanical strength and elastic modulus, enabling the creation of a cohesive monoblock structure with preparation characteristics analogous to natural dentin. The system provides user-friendly handling with predictable clinical outcomes, while ensuring restorations exhibit long-term stability and durability.

**SCOPE:**

- Permanent cementation of all endodontic post systems (metallic, fiber-reinforced, and ceramic)
- Core foundation fabrication for compromised crown morphology
- Definitive cementation of fixed prosthodontic restorations including full coverage crowns, fixed partial dentures, and indirect restorations (ceramic, metallic, and composite inlays/onlays)

## ADVANTAGES

- Two curing modes: chemical curing and light curing.
- Good flowability, easy to push, mix, operate, seat, and penetrate.
- Compatible with metal and quartz posts.
- High filling ratio, good mechanical properties.
- High strength adhesion, easy to build up core

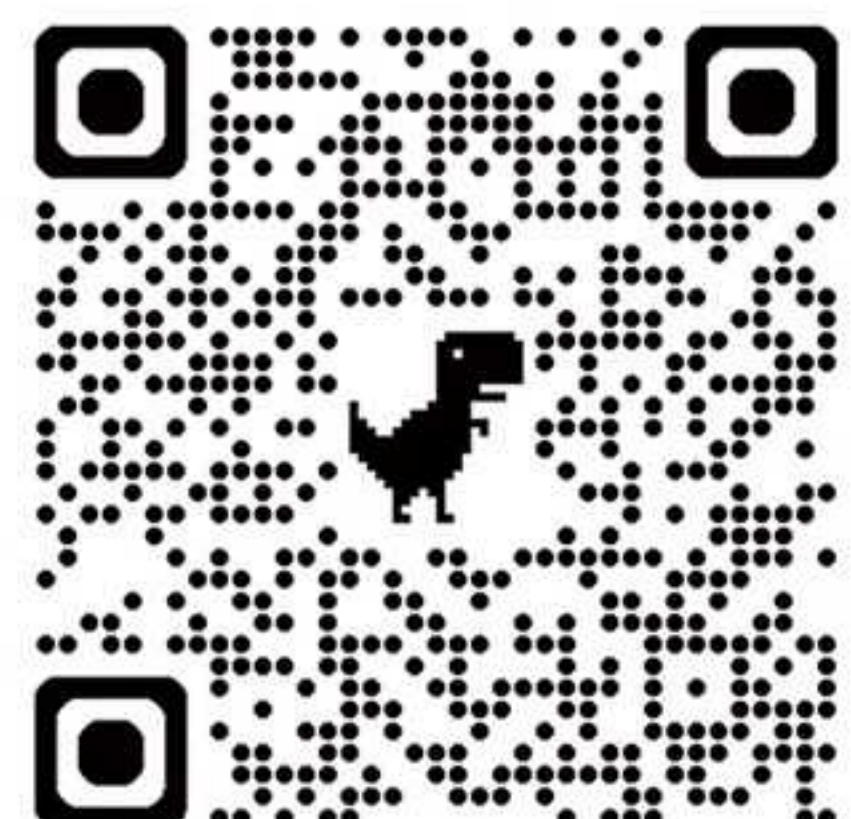
## CLINICAL OPERATING TIME GUIDE

	Room Temperature 23°C / 73°F	Intraoral 37°C / 99°F
<b>Working Time</b>	100s	40s
<b>Setting Time(not including working time)</b>	200s	150s

## SPECIFICATIONS


**Shade:** Pale yellow、Translucent、White

**Net Weight:** 8g/syringe



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# ETCHANT GEL

**NANOFIL<sup>®</sup>**

In intraoral prosthesis or orthodontic treatment, NANOFIL<sup>®</sup> etchant gel is used to treat the surfaces of teeth, metal, ceramic, and other prostheses to remove the contaminated layer, to rough surface and improve their surface properties.

**SCOPE:** enamel/dentine etching in the context of the total etch technique

## ADVANTAGES

- Gel-like consistency
- Short time for etching
- Dark blue color, easy to identify
- Easy to rinse

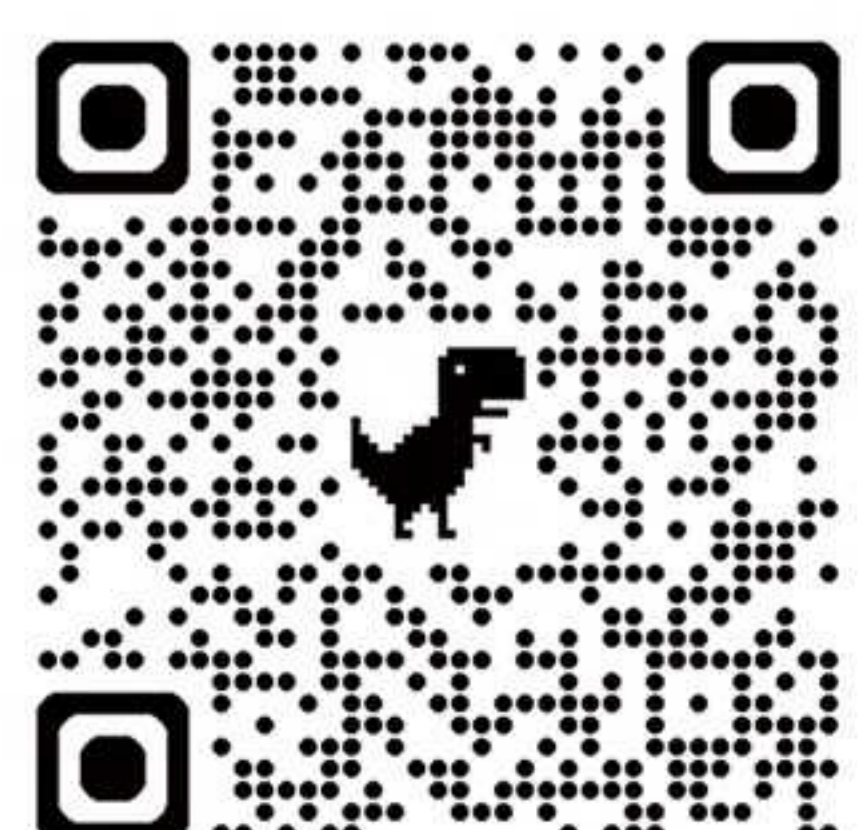
## SPECIFICATIONS

**Color:** Dark blue

**Specifications:** 2.5ml /syringe; 2.5ml/syringe \* 2;

**Model:** AT-37

**Phosphoric acid concentration:** 37%



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# PERFECT—LINK UNIVERSAL ADHESIVE

**NAVOFIL®**

## MULTI-PURPOSE UNIVERSAL ADHESIVE

This adhesive is indicated for a comprehensive range of direct and indirect restorative indications and exhibits compatibility with all etching techniques.

Mesoporous BioGlass (MBG) represents a technological advancement in dental universal adhesives. By incorporating this porous, bioactive material, these adhesives offer not only strong adhesion but also the potential to actively contribute to tooth remineralization and reduce post-operative sensitivity, ultimately improving the long-term success of dental restorations.

## ADVANTAGES

- Maintains stable adhesion regardless of wet or dry conditions, ensuring consistent bonding integrity.
- Incorporates MDP to significantly enhance bonding strength through robust chemical interactions.
- Delivers strong adhesion to all indirect surfaces without additional primers, streamlining clinical workflows.
- This adhesive incorporates mesoporous bioactive glass (MBG) fillers, clinically proven to promote dentin remineralization and significantly reduce postoperative sensitivity.

## SPECIFICATIONS

**Specifications:** 5ml/bottle ;



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# DENTAL BONDING AGENT

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup>** dental bonding agent delivers exceptional adhesion to both enamel and dentin, ensuring long-lasting stability for restorations. With the adhesive strength of greater than 28MPa, it outperforms other systems, providing reliable retention for composite resins, ceramics, and indirect restorations like inlays, onlays, and veneers.

## SCOPE:

- All classes of fillings with light-curing composite
- Core build-ups made of light-curing composite
- Intraoral repair of existing composite
- Cementation of veneers and adhesive cementation of light-curing and dual cure composites

## ADVANTAGES


- Single component
- Good elasticity, constant margin bonding.
- Excellent adhesion strength (>28MPa)
- Instant adhesion, easy operation
- Suitable for many kinds of light-curing restoration material

## SPECIFICATIONS

**Package Contents:** 5ml/bottle **Color:** Pale yellow



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# NANOCEM ULTIMATE DUAL CURE SELF-ADHESIVE RESIN CEMENT

**NANOFIL®**

**NanoCem Ultimate** is a user-friendly, dual-cure resin cement that offers exceptional bond strength and high adhesion. It is composed of a base and catalyst paste, dispensed via an automix syringe system for ease of use.

## Indications for use:

- Cementation of metal and resin crowns
- Cementation of dental bridges
- Bonding of inlays and onlays
- Cementation of all-ceramic restorations

## ADVANTAGES

**Reduced microleakage:** The robust bond mitigates marginal gaps and microleakage, which reduces the risk of secondary caries, pulpal issues, and restoration failure over time.

**Substrate versatility:** Advanced adhesive systems provide reliable bond strength to diverse restorative materials, including high-strength ceramics like zirconia, lithium disilicate, metal alloys, and composites.

**High strength and durability:** NanoCem Ultimate possess superior flexural strength, fracture toughness, and compressive strength, making them ideal for high-stress areas and ensuring the longevity of restorations.

**Low solubility:** Their hydrophobic nature and low solubility in the oral environment ensure the cement layer remains stable and intact, maintaining the marginal integrity of the restoration.

**Low film thickness:** The material's flowable viscosity allows for a low film thickness, which facilitates precise seating of indirect restorations without occlusal interference.

**Self-adhesive options:** Self-adhesive resin cements simplify the cementation process by eliminating the need for separate etching, priming, and bonding steps. This significantly reduces technique sensitivity and chairside time.

## SPECIFICATIONS

**Specifications:** 6g/syringe;

Auto Mixing Tips, Eco-Tips, Mixing Pads



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# GLASS IONOMER DENTAL CEMENT

(GK I Luting)



GK® glass ionomer luting cement combines the benefits of conventional glass ionomer chemistry with enhanced adhesive properties. This material demonstrates excellent biocompatibility, fluoride release, and thermal expansion coefficients similar to natural tooth structure, minimizing microleakage and secondary caries risk.

## SCOPE:

- Cementation of stainless steel or metal-porcelain crowns, bridges, inlays, posts and screws.
- Cementation of all ceramic (zirconia-based) crowns and bridges.
- Cementation of orthodontic parts to metal crowns, and orthodontic bands.
- Base and bottom.

## ADVANTAGES

- Fine and smooth powder is easy to mix, and the mixed material has excellent fluidity
- Thin film thickness (<18um )is convenient for restoration in place.
- Good adhesion to tooth tissue and restoration with good edge sealing effect.
- Good biocompatibility and coefficient of thermal expansion similar to tooth tissue reduce postoperative sensitivity.
- Easy to operate, ample working time, fast intraoral curing speed and low solubility.
- Long-term fluorine release and anti-caries effect.

## SPECIFICATIONS

One bottle each of powder and liquid;

Powder: 16g, Liquid: 8g; One mixing pad ; One spatula;



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# GLASS IONOMER DENTAL CEMENT

## (GK II Restorative )



**GK Glass Ionomer Dental Cement (Type II Restorative)** is a versatile dental material known for its chemical adhesion to tooth structure and ability to release fluoride. Made from a blend of fluoro-aluminosilicate glass powder and polyalkenoic acid, this cement offers a powerful combination of adhesion, prevention, and ease of use.

### ADVANTAGES

- **Minimal preparation required:** The material's ability to chemically bond directly to dentin and enamel means you can often use less-invasive cavity preparations, preserving more of the natural tooth structure.
- **Reduced need for a bonding agent:** The self-adhesive nature of glass ionomers streamlines your procedure by eliminating a separate etching and bonding step.
- **Prevents secondary decay:** The cement acts as a long-term fluoride reservoir, slowly releasing ions to help remineralize the surrounding tooth enamel. This process is crucial for preventing secondary caries (decay) at the restoration margins by remineralizing softened enamel and inhibiting bacterial growth. Furthermore, the material can be recharged with fluoride from sources like toothpaste.
- **Minimizes stress and leakage:** The cement's thermal expansion is similar to that of natural tooth structure, which helps to reduce marginal leakage and post-operative sensitivity.
- **Broad range of uses:** Use it for restoring small to medium-sized cavities, as a liner or base under other materials, or in the minimally invasive Atraumatic Restorative Treatment (ART) technique.

### SPECIFICATIONS

**Color:** Shade 1、 Shade 2、 Shade 3

**Specifications:** Powder(20g) x 3、 Liquid (16ml)x 3



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# DENTAL PIT&FISSURE SEALANT

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup>** Dental pit and fissure sealants can protect tooth enamel from being eroded by bacteria and their metabolites, and enhance the tooth's ability to resist caries, thereby achieving the purpose of preventing caries.

Dental pit&fissure sealant fissure sealants are engineered with a dual-phase chromatic transition to optimize clinical precision and esthetic integration. In the pre-cured state, the material presents a light yellow hue, intentionally contrasting against the natural tooth structure.

The post-cure optical properties (translucency, value, and hue) closely mimic those of natural enamel, achieving seamless biomimetic integration.

## ADVANTAGES

- Easy to operate, single component, 20 seconds light curing, one person can complete the operation.
- Good fluidity, instant penetration, directly reach the deep pits and fissures and tiny gaps, ensuring perfect sealing.
- Natural color, close to tooth color
- Strong bonding, low shedding rate, strong wear resistance, long-term sealing is guaranteed.
- Good moisture resistance. Even when children are not friendly to cooperation and cannot be well isolated from moisture, it can still achieve a good bonding and sealing effect.
- Non-toxic to the human body, safe, and secure.


## SPECIFICATIONS

**Color:** White

**Net Weight :** 3g/syringe



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# FLUORIDE FOAM

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup>** Fluoride foam is a foam-like dental product containing fluoride, usually with sodium fluoride as the key ingredient. Combined with surfactants, solvents and other components to form foam, it can adhere evenly to the tooth surface and release fluoride ions. These ions react with hydroxyapatite in tooth enamel to form fluorapatite with stronger acid resistance, which hardens the enamel, promotes remineralization, inhibits acid production by cariogenic bacteria, and thus prevents dental caries.

## ADVANTAGES

- Enhance the resistance to tooth decay
- Prevent enamel demineralization
- Xylitol helps balance the pH value of the oral cavity.
- Promote tooth remineralization

## SPECIFICATIONS

Spec: 10g



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# FLUOR PROTECTOR

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup>** Dentex Fluoride Protective Agent contains tricalcium phosphate (TCP) and sodium fluoride, and is a protective coating used to prevent tooth decay.

Scope of application:

Fluoride coating on the tooth surface increases the acid resistance of tooth enamel and prevents tooth decay.

## ADVANTAGES

Product features and clinical advantages:

continuous release of fluoride ions for 90 days, achieving long-term prevention effect

Good fluidity, can penetrate and cover the tiny corners of teeth, fast film formation speed, and easy to adsorb on tooth surface

After activation by saliva, it can continuously release fluoride ions to inhibit the metabolism of caries-causing bacteria


Suitable for caries prevention for people of all ages

## SPECIFICATIONS

**Net content:** 3ml/Piece



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# ORTHODONTIC ADHESIVE DENTAL RESIN

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup>** Orthodontic Adhesive Dental Resin is designed for bonding of metal and ceramic brackets on enamel. Because of high viscosity, it prevents brackets from drifting and reduces material waste. As it is light cured, extra working time is ensured and accurate bracket placement can be obtained.

## ADVANTAGES


- Short curing time
- Easy clean-up
- Easy handling, aesthetic and reliable
- Prevents brackets drifting
- Less material waste

## SPECIFICATIONS

Net Weight : 3.0g/syringe



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**NANOFIL<sup>®</sup>**

# ORTHODONTIC ADHESIVE DENTAL RESIN

**NANOFIL<sup>®</sup>** Orthodontic Adhesive Dental Resin is designed for bonding of metal and ceramic brackets on enamel. Because of high viscosity, it prevents brackets from drifting and reduces material waste. As it is light cured, extra working time is ensured and accurate bracket placement can be obtained.

## ADVANTAGES

- Short curing time
- Easy clean-up
- Easy handling, aesthetic and reliable
- Prevents brackets drifting
- Less material waste

## SPECIFICATIONS

### Intro Kit :

Orthodontic Adhesive Dental Resin 3x3.0g/syringe

37% Etchant Gel 1x2.5ml

Dental Bonding Agent 1x5ml

Micro-Applicators 20pcs



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# DENTAL VINYL POLYSILOXANE IMPRESSION MATERIAL



**GK®** dental vinyl polysiloxane impression materials are composed of two components:

Base: Vinyl siloxane, silica, fillers

Catalyst: Hydrogen siloxane, platinum-based catalyst

**SCOPE:** Indicated for obtaining precision impressions of teeth and oral tissues, including fixed bridges, full crowns, inlays & onlays, telescopic crowns, attachments.

## ADVANTAGES

- Precision Impression Technique
- Excellent flowability combined with superior thixotropy
- Extended extraoral working time with rapid intraoral setting
- Exceptional dimensional stability
- Excellent hydrophilic properties, odorless, and non-irritating
- Superior elastic recovery and thixotropic behavior

## TECHNICAL PARAMETERS

Model	Working time	Intraoral setting time	Shore A hardness	Dimensional Reproducibility	Elastic Recovery Rate
Putty Soft	≤1:15	2:30	62-64	20μm	≥99.2%

## PACKAGES

Light Body (type 3) 50xmlx2;

Putty Soft (type 0) 250mlx2;

Intro Kit : Light Body 50ml x1 and Putty Soft 250mlx2;



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# DENTAL VINYL POLYSILOXANE IMPRESSION MATERIAL (Bulk Packaging)



**GK® dental vinyl polysiloxane impression materials are composed of two components:**  
 Base: Vinyl siloxane, silica, fillers      Catalyst: Hydrogen siloxane, platinum-based catalyst

**SCOPE:** Indicated for obtaining precision impressions of teeth and oral tissues, including fixed bridges, full crowns, inlays & onlays, telescopic crowns, attachments.

## ADVANTAGES

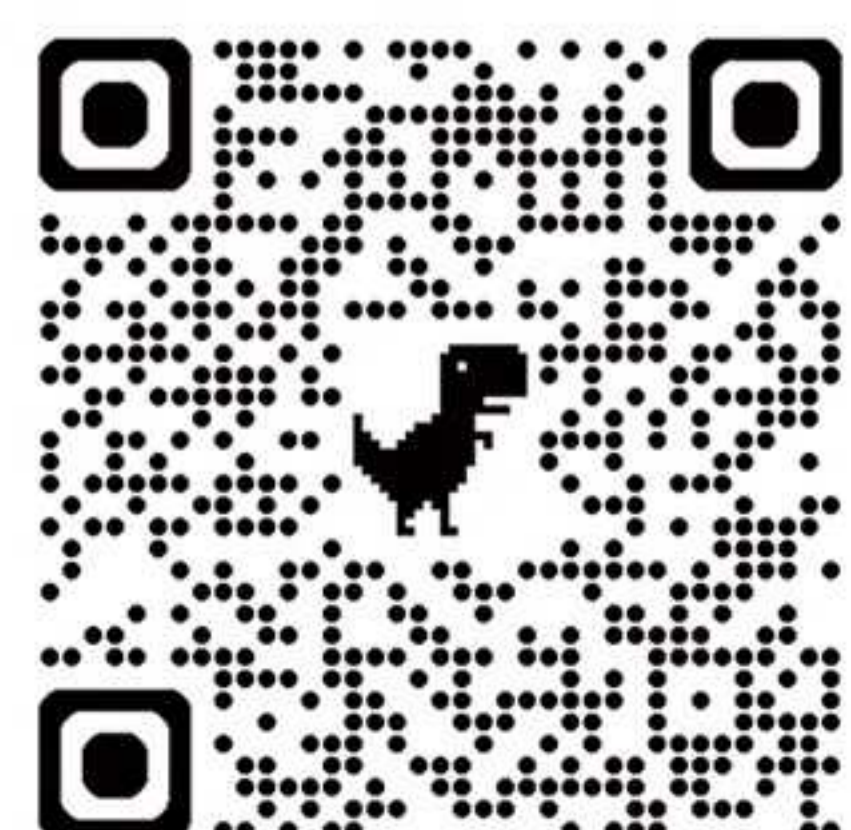
- Precision Impression Technique
- Excellent flowability combined with superior thixotropy
- Extended extraoral working time with rapid intraoral setting
- Exceptional dimensional stability
- Excellent hydrophilic properties, odorless, and non-irritating
- Superior elastic recovery and thixotropic behavior

## TECHNICAL PARAMETERS

Model	Working time	Intraoral setting time	Shore A hardness	Dimensional Reproducibility	Elastic Recovery Rate
Putty Soft	≤1:15	2:30	62-64	20μm	≥99.2%

## PACKAGES

Light Body (type 3) 1kg-10kg;  
 Putty Soft (type 0) 1kg-10kg;



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# FOR DENTAL LABORATORY USE

## Silicone Rubber Impression Material



### Addition-cured silicone impression material / Platinum catalyst system

- SCOPE:**
- Designed for dental technicians to fabricate various templates and models.
  - Ideal for gel-injection denture arrangement techniques.

### ADVANTAGES

- Superior formulation: Advanced technology ensures the material (Putty Soft Type 0) has a smooth texture for effortless mixing.
- Fast processing: Working time of 1–2 minutes; curing time of  $\leq 2$  minutes, optimized for efficient workflows.
- High precision: Delivers exceptional impression accuracy and dimensional stability.
- Durability: Shore A hardness of  $75 \pm 2$ , resistant to deformation during wax elimination via boiling.
- Ultra-fine reproduction: Achieves replication accuracy down to 50 microns.
- Flexible adaptability: Soft consistency enables precise shaping with sharp gingival margin definition.
- Post-processing ease: Easily trimmed or modified; sectioned surfaces is bondable with cyanoacrylate (502) adhesive.

### TECHNICAL PARAMETERS

Model	Specifications	Working Time	Curing Time	Hardness (Shore A)	Dimensional Reproducibility	Color
Putty Soft Type A	1kg/1kg, 5kg/5kg, 10kg/10kg	$\leq 2$ minutes	$\leq 2:00$	$75 \pm 2$	50 microns	Blue/White
	400g/400g, 1kg/1kg	$\leq 2$ minutes	$\leq 2:00$	$64 \pm 2$	50 microns	Blue/White



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# TEMPORARY CROWNS & BRIDGES 3D Printing Material

**NANOFIL<sup>®</sup>** NANOFIL As a high-performance 3D printing resin for long-lasting temporary crowns and bridges, combining natural esthetics with exceptional strength and abrasion resistance.

**Application:** Temporary crowns & Temporary bridges

## ADVANTAGES

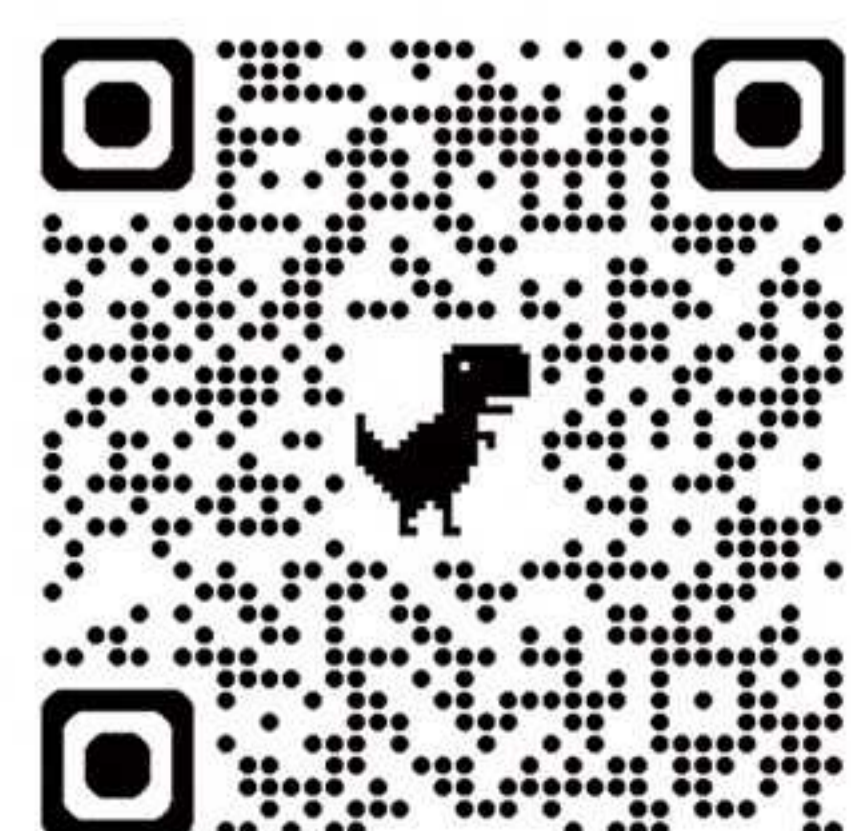
- Long-lasting temporary restorations
- Natural aesthetics
- Excellent mechanical properties


## SPECIFICATIONS

**Color:** Opaque White **Shelf Life:** 2 year

**Net Weight :** 1kg, 25kg, 180kg

Item	Specification	Typical Value
Viscosity (cps)	1000 ± 500	1165 cps @ 20°C
Hardness	> Shore D 90	D 95
Curing Wavelength (nm)	350-420	405



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# MODEL 3D Printing Material

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup>** As a high-precision dental model resin, NANOFIL Model offers excellent dimensional stability and is easy to print. Its unique almond color allows users to clearly identify margin lines and anatomical details.

**Application:** Dental Models

## ADVANTAGES

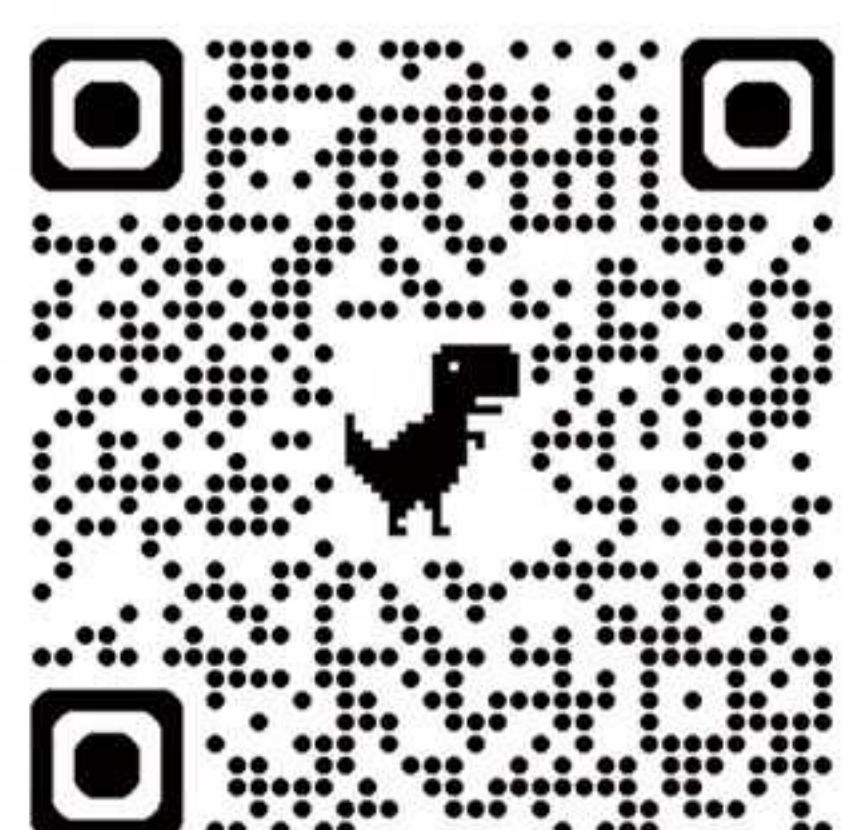
- High shaping precision
- Stable performance
- Smooth surface finish
- Scratch resistance
- Good flowability

## SPECIFICATIONS


**Color:** Gray **Shelf Life:** 2 year

**Net Weight :** 1kg, 25kg, 180kg

Item	Specification	Typical Value
Viscosity (cps)	1000 ± 500	1150 cps @ 20°C
Hardness	> Shore D 90	Shore D 95
Curing Wavelength (nm)	350-420	405



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# SURGICAL GUIDE 3D Printing Material

**NANOFIL<sup>®</sup>**

**NANOFIL<sup>®</sup>** Surgical Guide Resin enables precise and efficient fabrication of implant surgical guides. Compared with similar products, it offers higher flexural strength and modulus, allowing it to withstand pressure during surgery without deformation, ensuring superior durability. In addition, its biocompatibility provides a safer and more comfortable experience for patients.

**Application:** Implant Surgical Guides,

## ADVANTAGES

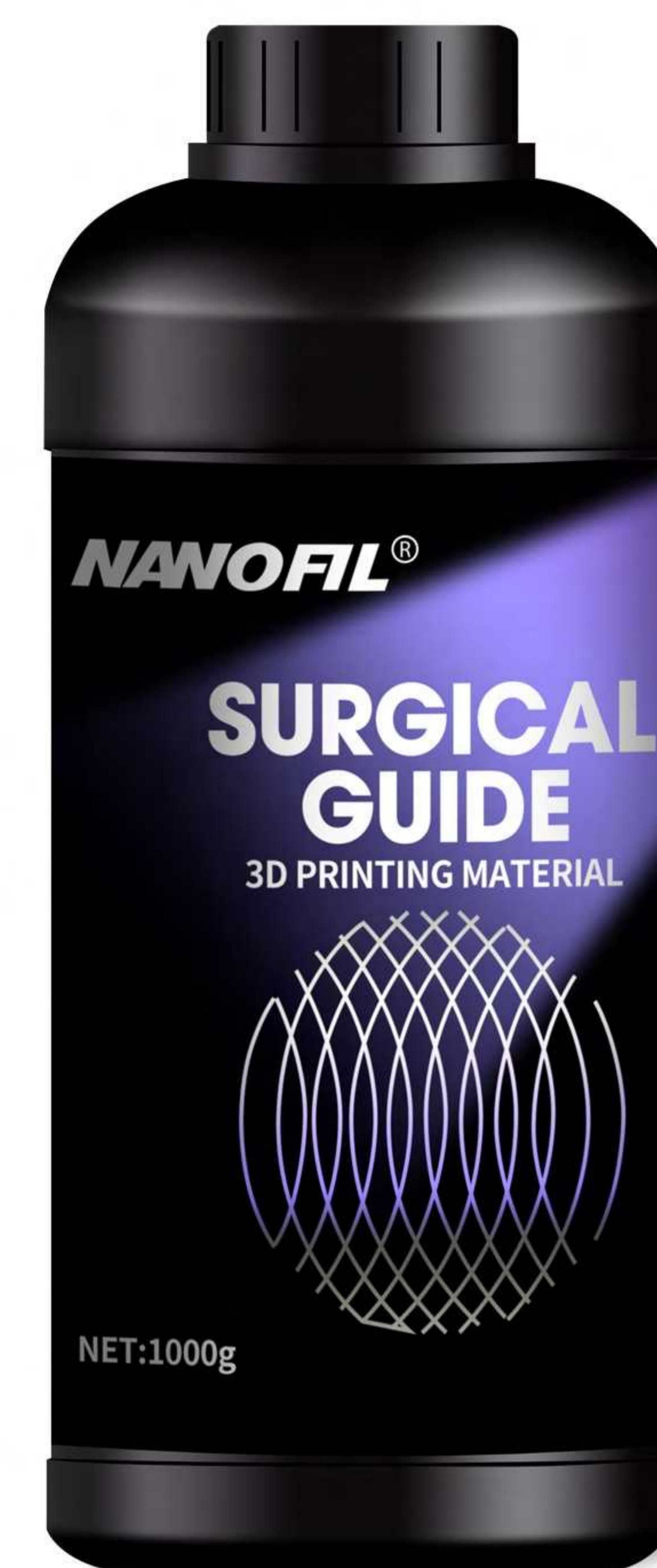
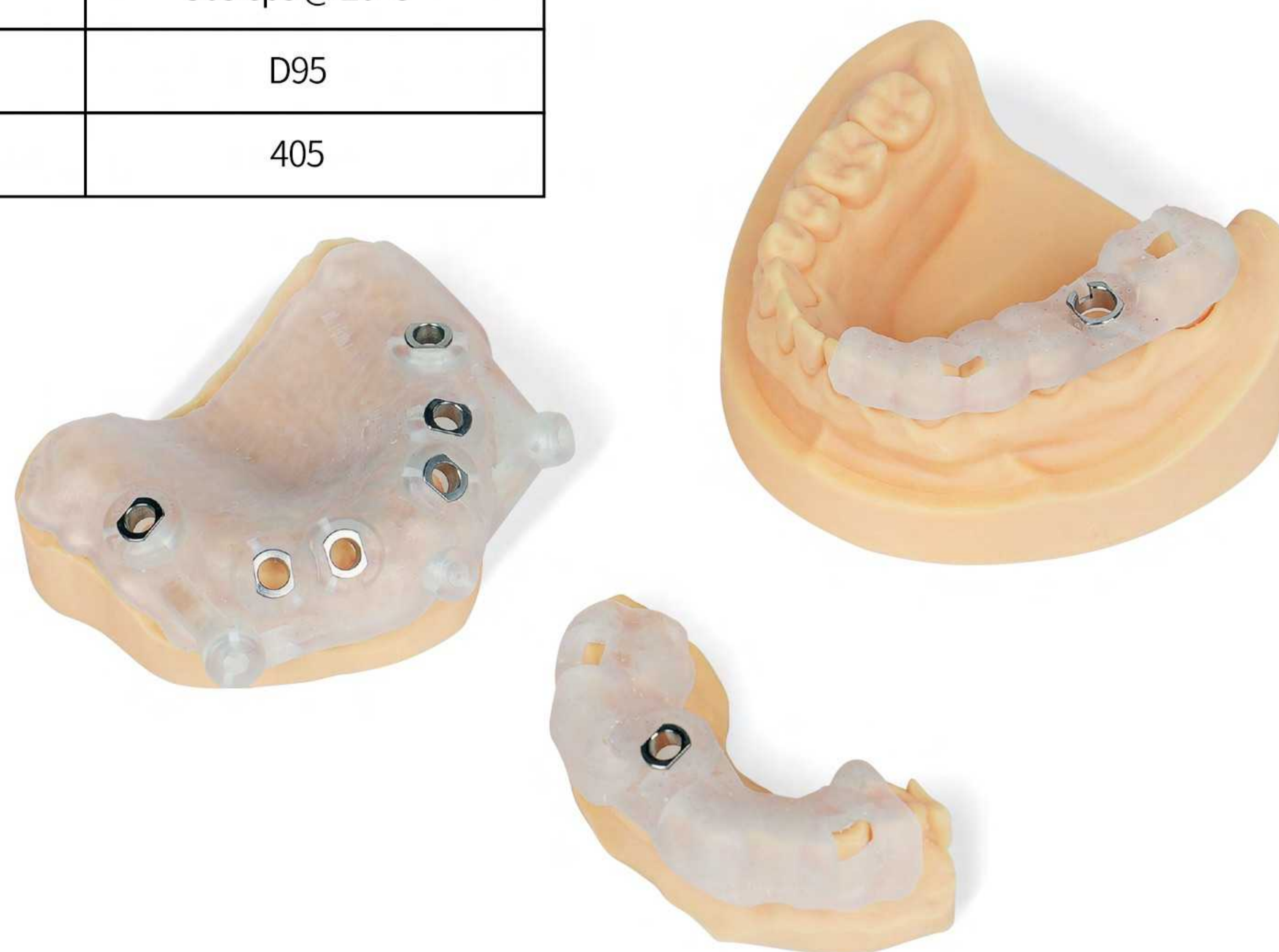
- High printing accuracy
- Compatible with high-temperature steam sterilization
- Biocompatible


## SPECIFICATIONS

Color: Clear, Shelf Life: 2year

**Net Weight :** 1kg, 25kg, 180kg

Item	Specification	Typical Value
Viscosity (cps)	350±100	365 cps @ 20°C
Hardness	> D90	D95
Curing wavelength(nm)	350-420	405



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# AMALGAM CAPSULE



**GK® AMALGAM CAPSULE** is single-use dental amalgam capsule containing HC1 Silver Alloy Powder and elemental mercury proportionally preloaded in separate compartments.

The HC1 Silver Alloy Powder composition consists of: Ag (43 wt%), Sn (32 wt%), and Cu (25 wt%).

The capsule system is designed with the alloy powder encapsulated within the lower compartment and the corresponding mercury dose contained in the upper chamber, maintaining proper stoichiometric ratios for clinical amalgamation. This dual-chamber configuration ensures precise proportioning and activation-ready functionality for trituration in amalgamators.

**SCOPE:** Anterior and posterior restoration

## ADVANTAGES

- **1hr** Compressive Strength  $\geq 100\text{MPa}$
- **24hrs** Compressive Strength  $\geq 350\text{MPa}$
- **24hrs** Volume Change (%)  $-0.10 \sim +0.15$
- **7days** Static Creep (%)  $\leq 2.0$

## SPECIFICATIONS



1/2 spill:200mg



1 spill:400mg



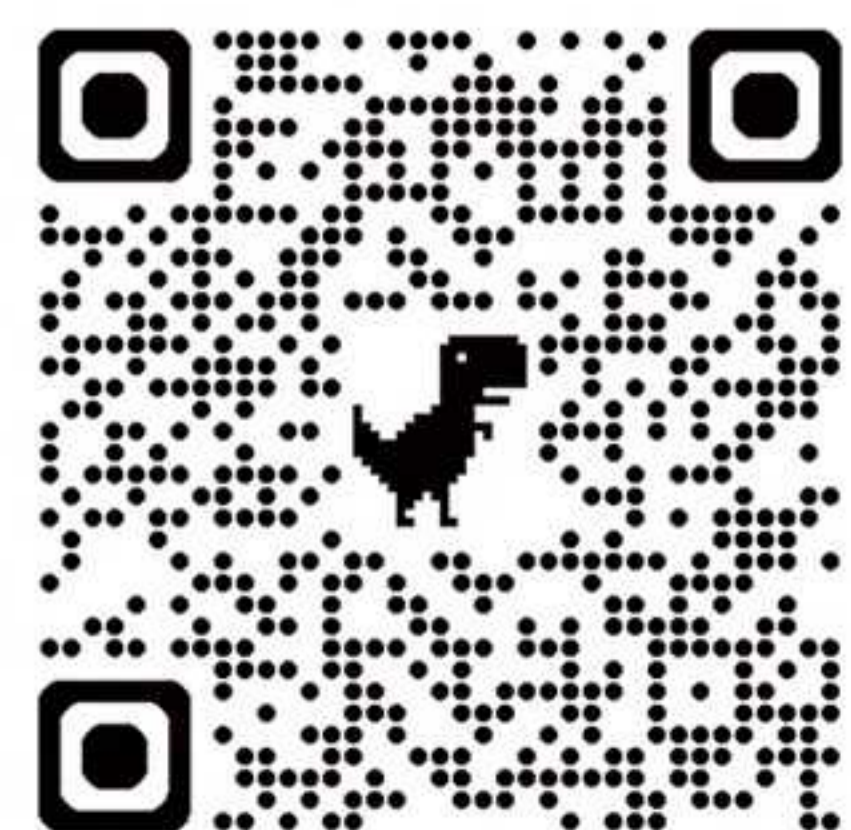
2 spill:600mg



3 spill:800mg



5 spill:1200mg



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# 1-SECOND DENTAL CURING LIGHT

Revolutionize your dental workflow with the 1-Second Dental Curing Light, engineered for precision, speed, and durability. Featuring advanced 360° rotational irradiation and a high-intensity 10W LED, this device delivers 1-second curing at depths of 2mm, optimizing efficiency for veneers, composites, and adhesives.

## ADVANTAGES

- 360° Rotational Irradiation
- Single-Button Operation
- 1-Second Cure
- Sleek, Seamless Body
- Non-Slip Grip


## TRIPLE IRRADIATION MODES

- High-Intensity Mode: Full-power blue light for rapid curing.
- Pulse Mode: Blue light emits intermittent bursts of light in a pulsed manner.
- Ramp Mode: Blue light intensity gradually increases from low to peak power.

## COLOR OPTIONS

Blue, White, Green, Pink



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# COMPULES DELIVERY DEVICE

**Compules Delivery Device** is restorative material delivery system designed to precisely deliver and dispense restorative materials into the target site during dental procedures.

## ADVANTAGES

- The capsule delivery device utilizes pressurized injection technology to ensure retention of composite/compomer materials within cavity preparations, particularly in shallow or open-gingival margin configurations, minimizing material displacement risks.
- The single-use capsule and delivery system eliminates cross-contamination risks associated with materials in syringe packaging, while its modular design allows for complete disassembly to facilitate thorough cleaning and sterilization protocols per infection control guidelines.


## SPECIFICATIONS

**Color:** white    **Unit :** piece

## PRECAUTIONS

- This product should be stored in a cool, dry environment.
- The device requires immediate replacement upon reaching its designated clinical service cycle to ensure optimal performance.



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# LIGHT-CURING RESIN POLISHING SYSTEM

Specifically designed for polishing light-cured resin veneers, inlays, direct composite restorations, and critical anatomical zones such as pits, fissures, and gingival margins. Ideal for achieving high-gloss surfaces while preserving restoration integrity.

## SPECIFICATIONS

### Resin High-Gloss Polishing Kit

Product Code DE0404

Resin High-Gloss Polishing Kit	
DR121	14x2
DR501	5.5x10
DR131	14x2
DR601	5.5x10



### Resin Polishing Kit

Product Code GS090

Resin Polishing Kit		
GS021	GS022	GS023
GS051	GS052	GS053
GS031	GS032	GS033



# ORAL AI CAMERA C6

LOVE SMILE™

**LOVE SMILE™ Oral AI Camera C6** adopt with artificial intelligence, advanced optical and sensing technology. It can achieve 360-degree intraoral photography to detect oral diseases such as caries, gingivitis, and dental calculus. After taking photos, the application will generate an oral health report for the user.

## ADVANTAGES

- Oral dynamic observation with identification of oral diseases.
- By accurately analyzing the captured oral images, users can fully understand their oral conditions and discover tiny oral problems as early as possible.

## SPECIFICATIONS

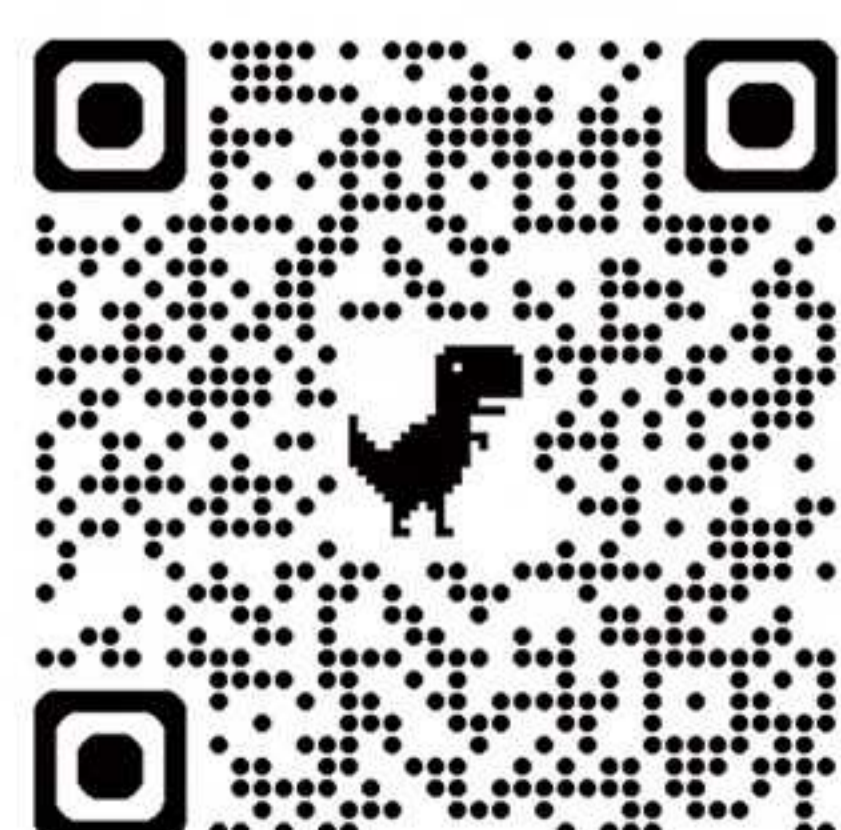
Support System: Android 4.4

Battery Life: 2Hour


Anti-shake: Support

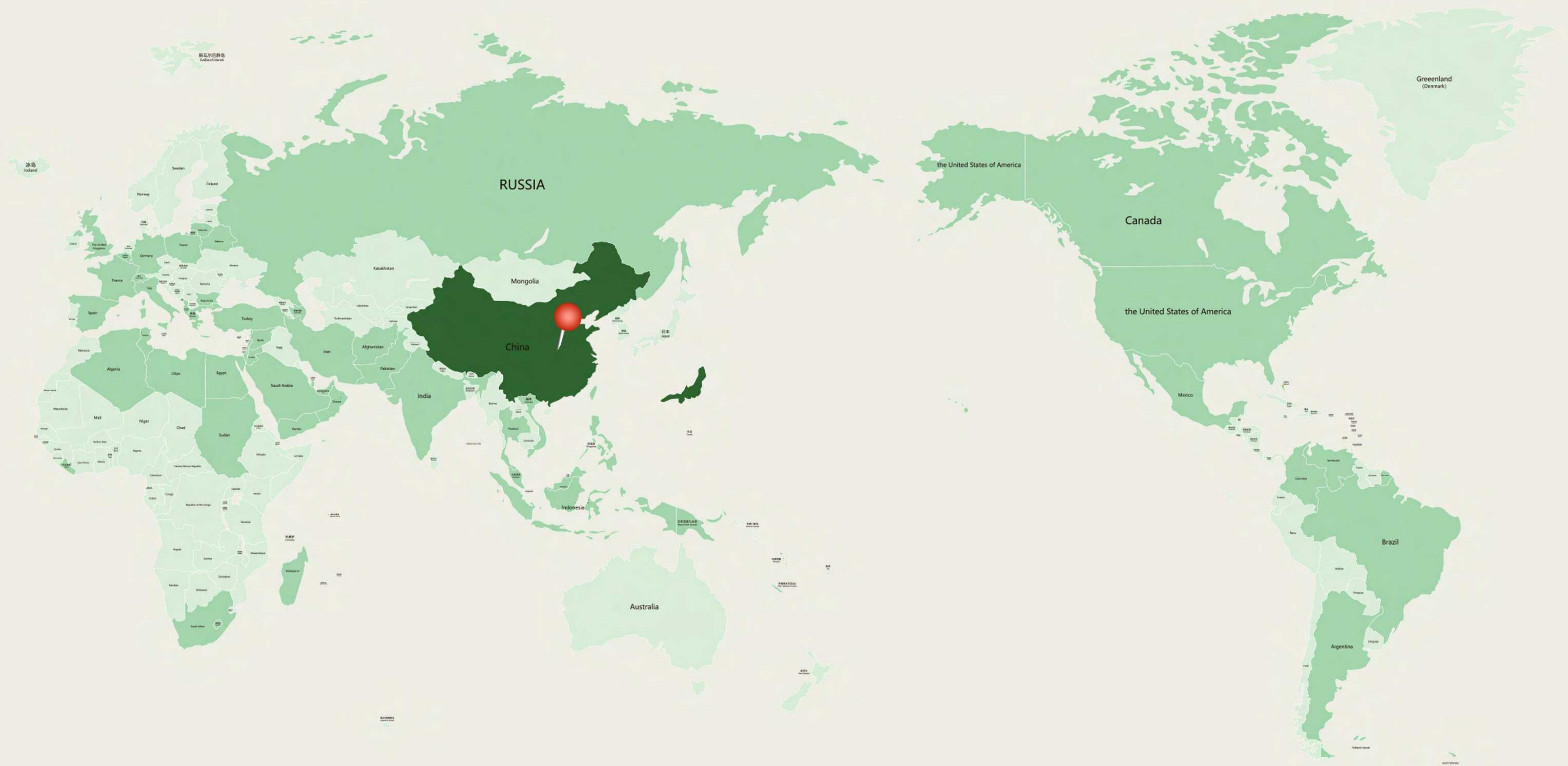
## COLOR

White



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Marketing Network

▲ **180+**

Our markets reaching 180 countries worldwide. ▲

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## CONTACT US



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