China OEM Collagen Freeze-Dried Facial Mask Manufacturer: JiKe Streamlines Beauty Product Customization



Guangzhou, Guangdong Oct 27, 2026 (Issuewire.com) - A Leading Powerhouse in Lyophilized Skincare

Guangzhou Jike Pharmaceutical Co., Ltd. ("JIKE Pharmaceutical") is a comprehensive high-tech enterprise integrating R&D, manufacturing, planning, and marketing, offering OEM, ODM, and OBM services. With decades of experience in cosmetics, its service network spans more than 20 provinces across China. The company delivers end-to-end customized solutions for over 100 brands and has become a trusted one-stop partner in the industry.

Pioneering high-precision lyophilization, medical-grade bio-matrix engineering, and scalable turnkey OEM/ODM/OBM solutions for world-class skincare brands. Decades of biomedical skincare manufacturing converge with modern digital automation to elevate custom brand formulations globally.

Our Three Core Advantages

- Pharma-Standard Precision

Inheriting stringent pharmaceutical parameters, our production floor operates Class 100,000 cleanrooms equipped with intelligent atmospheric monitoring. Every production run of freeze-dried cosmetic formulations adheres to international ISO 22716 and US GMPC regulations.

- End-to-End Agility

From raw bio-polymer engineering to secondary blister packaging, JIKE streamlines the entire manufacturing lifecycle. We reduce brand launch times from months to weeks without compromising potency, microbial stability, or aesthetic elegance.

- Proven Brand Incubator

Having scaled customized OEM product lines for more than 100 premier aesthetic clinics, omnichannel indie brands, and tier-1 retail companies, our supply chain is architected to handle both boutique trial batches and high-volume container shipments.

Why the Industry Demands Freeze-Dried Facial Masks

Sub-Zero Flash Lyophilization

Traditional wet sheet masks rely on extensive preservative cocktails (phenoxyethanol, parabens, sodium dehydroacetate) to prevent microbial proliferation within moisture-rich packaging. In contrast, our advanced freeze-dried technology utilizes flash-freezing at -40°C down to -50°C under high-vacuum sublimation.

By directly turning ice into vapor without traversing the liquid phase, the native collagen triple-helix matrix remains locked in a dormant crystalline lattice. This delivers a pristine, sterile collagen sheet that awakens exclusively when rehydrated by the consumer with sterile water or bespoke activator ampoules.

Because zero moisture exists in storage, the finished freeze-dried facial mask attains a stable shelf life exceeding 36 months under standard conditions, offering unprecedented stability for cross-border shipping and multi-climate retail.

Molecular Density & Skin Affinity

JiKe formulates with high-compatibility hydrolyzed collagen, recombinant Type III humanized collagen, and marine peptide fractions. The solid-state freeze-dried substrate forms a dense nano-fiber web with massive surface contact area.

Upon contact with liquid activation, the mesh transitions seamlessly into a bio-gel film that clings tightly to facial contours. This physical occlusion locks moisture, boosts epidermal hydration indices by up to 340% within twenty minutes, and minimizes trans-epidermal water loss (TEWL).

This pharmaceutical approach makes our freeze-dried line exceptionally suited for sensitive skin, compromised dermal barriers, post-laser recuperation, microneedling aftercare, and anti-aging therapeutic protocols.

Streamlined OEM, ODM & OBM Product Architecture

We empower international beauty entrepreneurs with flexible, scalable solutions designed to dominate premium beauty markets. The six modules below—spanning formula, substrate, packaging, essence, compliance, and brand design—form a complete product architecture chain that brands can combine as needed.

Formula Synergy Engineering — The Core of Product Efficacy

We blend our pure freeze-dried collagen bases with high-performance actives including Oligopeptide-1, Acetyl Hexapeptide-8, Ectoin, Resveratrol, Polyglutamic Acid, and high/low molecular Hyaluronic Acid for targeted multi-depth skin restoration.

Substrate Selection — Defining Skin Feel and Application Experience

Choose from pure 100% soluble collagen film (which completely melts into skin), freeze-dried infused Tencel meshes, high-porosity microfibers, or custom-cut eye patches and forehead zone patches built to customer dimensions.

Intelligent Dual-Chamber Blister — Defining User Experience and Freshness

Packaging is pivotal for user experience. JiKe supplies custom medical-grade PET/foil dual-chamber blister trays where the sterile activator solution sits adjacent to the dry freeze-dried mask, allowing fresh instant immersion at the press of a finger.

Custom Essence Activators — Defining Product Differentiation

Pair your freeze-dried face mask with proprietary liquid serums. Formulations range from deep soothing botanical waters (Centella Asiatica, Chamomile) to intensive brightening complexes featuring Niacinamide and Alpha-Arbutin.

Global Regulatory Compliance — Determining Market Readiness

Our in-house regulatory documentation team prepares all analytical dossiers, Certificates of Analysis (COA), safety assessments, heavy metal and microbiological panels, MSDS, and support documents for FDA, CPNP, and ASEAN cosmetic notifications.

Comprehensive Brand Design — Determining Premium Market Positioning

Beyond chemical manufacturing, JiKe provides full-suite OBM planning: luxury box packaging concepts, structural engineering for secondary containers, user manual copywriting, and multilingual ingredient alignment for worldwide distribution.

How JiKe Streamlines Your Customization Journey?

A disciplined, transparent, six-phase path from initial formulation consultation to full container customs clearance.

- Conceptual Engineering & R&D Alignment

We assess your brand's target demographic, price ceiling, and regional ingredient restrictions. Our laboratory creates initial bench prototypes of your custom freeze-dried formula within 5 to 7 business

days, tuning texture, solubilization rate, and sensory finish.

- Stability & Preservative-Free Challenge Tests

Every customized lyophilized matrix undergoes high-stress incubation (45°C thermal cycling, humidity chamber profiling) to verify that zero degradation occurs inside the sealed blister pack, proving the structural durability of the solid freeze-dried matrix.

- Packaging Structural Integration

Brands choose between all-in-one split-chamber blister trays, dual-sachet configurations, or standalone lyophilized sheets paired with dropper serums. We coordinate customized mold creation, foil sealing compatibility tests, and leak-proof nitrogen flushes.

- Automated Smart Cleanroom Manufacturing

Once signed off, batch manufacturing shifts to automated PLC-controlled freeze dryers. The liquid collagen formulation is dosed accurately to ±0.01g before being conveyed into the deep sublimation vacuum chambers for 24–48 hours of constant lyophilization.

- Multi-Point QC & Analytic Release

Quality assurance inspectors audit moisture residual content (verified under 3% Karl Fischer titration), rapid reconstitution speed (dissolution within 3 seconds), zero heavy metals, and zero colony counts before releasing the batch.

- Global Freight & Regulatory Logistics

JiKe coordinates shipping across sea, air, and multimodal transport networks. We manage export documentation, export customs clearance, and direct delivery to distribution centers across North America, Europe, Australia, and Southeast Asia.

Nine Core Smart Manufacturing Systems & Specialized Workshops

At JIKE Pharmaceutical, intelligent automation merges with pharmaceutical-grade quality control. Our integrated facility is engineered to satisfy the highest international GMP and ISO 22716 cosmetic criteria. The nine systems below cover environment, raw materials, packaging materials, batching, emulsification, filling, testing, R&D, and water treatment—forming a full-chain manufacturing safeguard from source to finished product.

- Class 100,000 Cleanroom — Ensuring a Sterile Production Environment

Equipped with medical-standard HEPA air filtration systems, constant differential pressure controls, and continuous microbial sampling to ensure total environmental sterility.

- Raw Material Storage — Ensuring Active Ingredient Stability

Climate-controlled and humidity-regulated intelligent storage bays segregated specifically for active recombinant proteins, freeze-dried actives, and organic botanical extracts.

- Packaging Material Workshop — Ensuring Packaging Cleanliness

Automated storage and retrieval systems with integrated optical cleanliness screening, static elimination, and dust-free quarantine partitions for premium foil bags and trays.

- Digitalized Batching Workshop — Ensuring Precise and Error-Free Formulation

ERP and MES-connected smart micro-weighing systems prevent human error, delivering automated ingredient tracing and ±0.01g batch dispensing precision.

- Intelligent Emulsification — Ensuring Uniform and Stable Texture

Vacuum homogenizers from leading engineering providers, offering high-shear sub-micron nano-dispersion, programmatic thermal cycles, and bubble-free continuous blending.

- Automated Filling & Packaging — Ensuring Efficiency and Seal Integrity

High-speed automated lyophilizer tray loaders, precision fluid dose depositors, nitrogen-flush thermal sealing lines, and inline robotic carton packing systems.

- Microbiological & Physical Lab — Ensuring Qualified Batch Release

Equipped with HPLC, heavy metal atomic absorption spectrometers, challenge test incubators, and rapid-scan microbiological detection chambers for rigorous batch release.

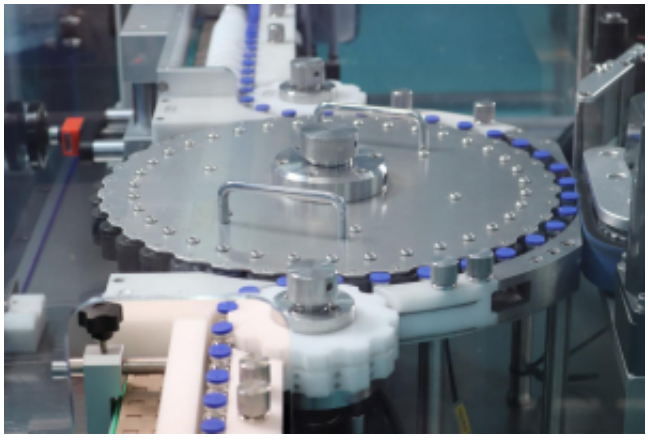
- Dedicated R&D Innovation Center — Ensuring Continuous Technological Leadership

Targeted biomedical research facilities collaborating directly with top academic institutions for polypeptide stabilization, genetic transdermal delivery, and biomatrix optimization.

- EDI Ultra-Pure Water System — Ensuring Pharmacopeia-Grade Water Purity

Multi-stage reverse osmosis combined with Continuous Electrodeionization (EDI) and 24/7 ultraviolet circulation, delivering pharmacopeia-grade purified water below 1.1 µS/cm.

To learn more about OEM, ODM, and custom formulation services for bio-active cosmetic solutions, please visit: https://www.JiKemed.com/



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Source : Guangzhou JIKE Pharmaceutical Co., Ltd.

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