

28 Years of Medical-Grade Excellence: Meidi Medical's Production Powerhouse

Zhangqiu, Shandong Jun 17, 2026 ([IssueWire.com](https://www.issuewire.com)) - In the modern healthcare environment, infection control, contamination prevention, and sterility maintenance are foundational priorities for clinical safety. Among the critical consumables supporting these standards, medical-grade tissue paper plays an indispensable role. Shandong Meidi Medical Supplies Co., Ltd.—operating globally under its brand name **Meidi Medical**—has established itself as a leading manufacturer in this space, serving over 1,500 partners worldwide, including more than 300 Grade-A tertiary hospitals across China.

With 28 years of dedicated experience, Meidi Medical has built a comprehensive production ecosystem that integrates R&D, manufacturing, and distribution. The company's headquarters and primary manufacturing facilities are strategically located in Jinan, Shandong Province—an industrial base that supports advanced manufacturing infrastructure for medical-grade substrates. From raw material selection to final conversion, every stage of the production process is controlled internally, ensuring that each batch complies with international standards governing biomedical consumables.

Modern Infrastructure: The Numbers Behind the Powerhouse Facility Scale

At the core of Meidi's production strength lies its 10,000-square-meter manufacturing campus, anchored by a **5,000-square-meter GMP Class 100,000 cleanroom**.

Standards

This facility meets pharmaceutical-grade production standards, with HEPA-filtered air systems, real-time environmental monitoring, and strict personnel protocols.

To meet diverse market needs, the company operates **15 specialized automated production lines**, covering the entire processing chain from raw material pulping, embossing, and folding to sterilization and final packaging. This scale provides both the capacity for high-volume orders and the flexibility for rapid, customized production runs, with an on-time delivery rate exceeding 99%.

Intelligent Manufacturing: The MDC-006 Advantage

Among these production assets, Meidi has successfully deployed its proprietary **MDC-006 fully automatic production line**—a self-developed system of 11 units representing industry-leading automation technology. This system achieves speeds of up to 36 packs per minute for postpartum paper products, with finished product qualification rates reaching 99.98%—significantly above the industry average of 91%.

The MDC-006 series is the result of continuous process optimization, integrating computerized control systems, precision slitting, and automated packaging technologies. It reduces manual intervention in the production chain—minimizing contamination risks while increasing throughput.

Cleanroom Manufacturing: The GMP Commitment

Meidi's GMP Class 100,000 cleanroom is not merely a certificate—it is the operational foundation of the company's quality promise. Maintaining a 100,000-class clean environment requires constant

monitoring of airborne particle counts, temperature, humidity, and microbial levels.

Investment in this infrastructure reflects a long-term commitment: ensuring that products from B[?] [?] [?] [?] (ultrasound probe wipes) to medical hand towels are manufactured in an environment that controls particulate and microbial contamination. This directly translates into measurable product safety metrics, including the company's internal standard of <5 CFU/g for total bacterial count—over 40 times stricter than national requirements.

Proprietary Technology: The 5C Clean Patent

Innovation at Meidi is embodied in its proprietary **5C Clean Patent Technology**, which forms a systematic purification ecosystem covering five dimensions: dust removal, mite elimination, odor neutralization, sterilization, and harmful gas elimination.

This system operates in conjunction with a separate patented innovation, the **Crystal Diamond Embossing technology**. Through three-dimensional embossing, this process increases package volume by 20-30% without raising raw material costs, while simultaneously improving tensile strength, water absorption speed, and dust shedding rates.

Sterilization Versatility: Tailored to Global Requirements

Meidi's production capabilities extend into specialized sterilization processes to meet the diverse infection control needs of international healthcare facilities. The company supports four distinct sterilization methods:

- **Gamma Irradiation & EO:** Achieving an SAL of 10^{-6} for sterile medical devices.
- **Quaternary Ammonium:** Sustained antimicrobial protection exceeding 365 days.
- **High-Temperature:** Reserved for central sterile supply departments.

Transparent Factory: Visible Quality Assurance

Perhaps the most distinctive feature of Meidi's production model is its "**Transparent Factory**" initiative—an open-door policy that invites clients and partners to physically witness the manufacturing process. Meidi's cleanroom operations are visible through floor-to-ceiling glass windows, allowing real-time observation of automated lines.

R&D Collaboration: The Clinical Innovation Engine

Production strength is amplified by R&D innovation. Meidi has formally partnered with **Shandong University Qilu Hospital Joint Laboratory**, a collaboration that brings together medical device manufacturers, pharmaceutical companies, and clinical researchers.

The joint laboratory also provides access to advanced research equipment and specialized research personnel, reducing R&D cycles and accelerating time-to-market for new products across operating rooms, ICUs, and obstetrics departments.

Global Compliance & Export-Ready Certifications

The company holds **ISO9001** and **ISO14001** certifications. Additionally, it has obtained **AP EU certification**, **FDA food-grade**, and **CE certification** for its medical hand towel line.

Serving Global Partners: OEM/ODM at Scale

With 18 patents, 13 registered trademarks, and nine enterprise standards, Meidi offers comprehensive OEM/ODM services. Customization options cover grammage, dimensions, ply count, embossing pattern, and brand identity (custom logos, multi-lingual labels).

Logistics & Delivery

Behind Meidi's production power is a streamlined logistics operation. Order lead times for international shipments typically range from 30 to 35 days, with compact carton designs maximizing container loading efficiency.

The Road Ahead: Capacity Expansion

Looking forward, Meidi has announced plans for overseas warehouse deployment in Germany and the UAE. These regional hubs will reduce lead times for European and Middle Eastern customers to under 10 days.

From a 10,000^{sq}m manufacturing campus and 5,000^{sq}m GMP cleanroom to 15 specialized production lines, Meidi Medical stands ready to grow together with partners seeking a long-term, compliant, and innovation-driven supplier.

For more information or to request samples (buyer pays shipping):

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