

Our Global Vision: How a Leading Drum Dryer Supplier Serves Global Needs

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In recent decades, the global drying equipment industry has become a vital part of food processing, chemical engineering, pharmaceutical manufacturing, and other industrial sectors. As efficiency and sustainability gain importance, the demand for advanced and energy-conscious drying solutions continues to grow.

As a [Global Leading Drum Dryer Supplier](#), Jianda Drying has contributed to this development through continuous innovation and engineering practice. Founded in 1981 and recognized as the only Sino-US joint venture in China's drying industry, Jianda applies its technical expertise to support industrial production needs across diverse sectors.

Global Demand Drives the Growth of Drum Drying

Drying equipment—particularly drum dryers—plays an essential role in transforming raw materials into stable, manageable products suitable for transportation and long-term storage. From food powders to fine chemicals and pharmaceutical intermediates, this technology improves operational efficiency, reduces waste, and enhances production stability.

As manufacturing industries worldwide place greater emphasis on energy efficiency, safety, and carbon reduction, drum drying technology is becoming increasingly relevant. Jianda aligns its research and design work with modern production standards, incorporating features that



JIANDA - Global Leading Drum Dryer Supplier



Comprehensive Global Services

support digital monitoring, process automation, and environmental compliance. This focus allows Jianda's equipment to remain adaptable to changing industrial trends while helping manufacturers achieve sustainability objectives across both established and emerging markets.

Four Decades of Engineering Experience

With over forty years of practical experience, Jianda Drying continues to maintain its commitment to technical reliability and consistent product quality. The company values steady research and engineering improvement, ensuring that each solution is guided by industry standards and practical experience.

Its background as a Sino-US joint venture enables the combination of international technology perspectives with China's advanced manufacturing capability. Through this approach, Jianda continues to refine its range of drying, mixing, and granulating technologies to support evolving global industrial requirements.

Dependable Drum Dryer Design

A drum dryer operates by spreading a liquid or slurry as a thin film across a heated drum surface, where moisture evaporates and leaves a uniform dried product. Jianda's TG series drum dryers are designed with emphasis on energy efficiency, process precision, and mechanical reliability.

The system transfers heat primarily through conduction, with a thermal efficiency of approximately 70–80%. Adjustable parameters—such as film thickness, drum temperature, and rotation speed—allow the process to accommodate a wide range of materials and moisture levels.

The thin film layer, typically between 0.3 and 1.5 millimeters, enables rapid drying cycles of 10 to 300 seconds, suitable for temperature-sensitive products. Each drum is carefully balanced and stress-tested to ensure stable operation. In addition, the modular scraper design ensures full product removal, reduces downtime, and simplifies maintenance. Together, these features demonstrate how drum dryer engineering supports consistency and reliability in industrial-scale production.

Applications Across Industries

Jianda's drum dryer technologies have been widely adopted across multiple industrial fields, reflecting their adaptability and process precision.

Food Processing: Used in dairy, starch, and protein-based materials to maintain product stability and uniformity while optimizing energy use.

Pharmaceuticals: Applied to heat-sensitive materials, ensuring controlled drying conditions and compliance with manufacturing standards.

New Energy: Plays an important role in the preparation of lithium battery materials and other advanced components requiring precise thermal management.

Chemicals and Environmental Materials: Supports efficient drying of specialty chemicals, agricultural byproducts, and biodegradable materials.

The broad application range illustrates the growing importance of drum drying technology as

industries transition toward cleaner, safer, and more efficient production models. Through this versatility and consistent performance, Jianda is recognized as a [China Top Drum Dryer Manufacturer](#) serving both domestic and international markets.

Comprehensive Global Service System

Jianda's technical and service framework is designed to support global clients through the entire lifecycle of each project:

Customized Engineering: Tailored design solutions are provided based on raw material characteristics, available energy sources, plant configurations, and safety regulations.

Certifications and Compliance: Equipment meets ISO, TÜV, and Lloyd's certification requirements, ensuring alignment with global quality and safety benchmarks.

Global Support: Jianda's systems are exported to Europe, North America, and the Asia-Pacific region, supported by technical documentation, commissioning assistance, and long-term service programs.

Cross-Industry Learning: Experience gained across food, chemical, pharmaceutical, and new energy industries enables continuous improvement through shared knowledge.

Long-Term Partnership: Guided by its principle of "honesty first, pioneering and innovating," Jianda emphasizes sustained collaboration and technical growth with clients and partners worldwide.

International Outlook and Future Vision

As global supply chains evolve and sustainability standards rise, Jianda Drying continues to expand its international presence and strengthen its engineering capabilities. The company invests in research areas such as low-carbon drying systems, smart process control, and renewable energy integration, ensuring its products remain aligned with the next generation of industrial requirements.

By combining decades of technical experience with an ongoing commitment to improvement, Jianda aims to progress toward its goal of becoming a [Future Leading Drum Dryer Manufacturer](#), maintaining a balance between industrial efficiency and environmental responsibility.

Commitment to Industry Advancement

Jianda Drying continues to promote the advancement of drying technology through engineering innovation and collaboration. Its focus on reliability, energy efficiency, and global cooperation reflects the company's broader commitment to sustainable industry development.

By integrating technical quality with practical design, Jianda supports manufacturers in achieving higher efficiency and lower energy consumption. As industries continue to transform, Jianda remains dedicated to providing dependable drying systems today and contributing to the sustainable industrial solutions of the future.

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