



CONVENTIONAL HEATING DRYER

50⁺ Years
Of experience



ABOUT US

Kerone Engineering Solutions Ltd is a global leader in advanced industrial heating, drying, cooling & end to end process engineering solutions. With over five decades of proven expertise, we specialize in designing, manufacturing, and delivering highly customized, cutting-edge systems tailored to the evolving needs of industries worldwide.

Our commitment to engineering excellence, sustainability, digitalization, and technological innovation has positioned us as a trusted partner for businesses across multiple sectors. By integrating Artificial Intelligence (AI), Machine Learning (ML), and Internet of Things (IoT) technologies into our systems, Kerone ensures smarter automation, real-time monitoring, predictive maintenance, and data-driven process optimization—empowering our clients to achieve greater productivity, efficiency, and reliability.



50+

Years of Experience



10,000+

Satisfied Clients



500+

Employee



100+

Experts



50+

Global Presence



50+ Years Manufacturing Excellence



Great Sale Support



Highly Customized Product



Adherence to Standards



Sound Infrastructure



Team of experts Delivering Quality



Timely Delivery



Cost Effective Solutions



INDUSTRIES WE SERVE

- ✓ Food Processing & Agro-Processing
- ✓ Chemicals & Petrochemicals
- ✓ Pharmaceuticals
- ✓ Textiles, Automotive & Aerospace
- ✓ Paper & Packaging
- ✓ Ceramics & Glass
- ✓ Rubber & Plastics
- ✓ Environmental & Waste Management
- ✓ Oil, Gas & Steel Industries



- ✓ Industry Expertise – Over 50 years of global engineering leadership.
- ✓ Custom Solutions – Tailored engineering that meets unique industrial requirements.
- ✓ Global Reach – Trusted by industries across continents with proven reliability.
- ✓ Digital & Smart Systems – AI/ML-powered automation, IoT-based monitoring, and predictive insights.
- ✓ Cutting-Edge Technology – Continuous innovation in heating, drying, and advanced processing.
- ✓ Energy Efficiency – AI-optimized designs for lower energy consumption and sustainability.

QUALITY & COMPLIANCE

At Kerone, quality and compliance are non-negotiable. All our solutions are engineered in adherence to international standards and industry best practices, ensuring maximum safety, durability, reliability, and efficiency. With integrated digital technologies, we enable smarter quality control and compliance tracking across all operations.





Powered by AI/ML & IoT

Conventional Heating Dryer

The Conventional Heating Dryer is an efficient industrial drying system designed to remove moisture from various materials using hot air circulation technology. Constructed from high-quality stainless steel or mild steel, this durable equipment features a well-insulated drying chamber with adjustable temperature controls and powerful air circulation fans that ensure uniform heat distribution throughout the chamber. The system includes user-friendly programmable timers and safety features such as overheat protection and automatic shut-off mechanisms for reliable operation.

This versatile dryer is widely used across food processing, pharmaceutical, chemical, and textile industries for drying fruits, vegetables, herbs, grains, powders, and granules. Its modular tray configuration allows flexible batch sizing and easy material handling. The energy-efficient design reduces operational costs while delivering consistent drying results, and the straightforward construction ensures easy maintenance and cleaning. The Conventional Heating Dryer offers a cost-effective, proven technology solution for businesses requiring reliable and efficient moisture removal in their production processes.

Key Features

- **Adjustable Temperature Control**
Precise digital or analog controls with wide temperature range for different material requirements.
- **Efficient Air Circulation**
High-performance fans ensure uniform airflow and even heat distribution throughout the chamber.

- **Modular Tray System**
Removable perforated trays maximize capacity and simplify loading, unloading, and cleaning.
- **Durable Construction**
High-quality stainless steel or mild steel body provides corrosion resistance and long-lasting performance.
- **Superior Insulation**
Double-walled construction minimizes heat loss and maintains stable internal temperatures for energy efficiency.
- **Easy Access Design**
Front-loading door with secure locking for convenient material handling and maintenance.

Advantages

- **Energy Efficient**
Optimized heating system with excellent insulation minimizes power consumption, reducing operational costs while maintaining superior drying performance.
- **Versatile Application**
Handles diverse materials including food products, pharmaceuticals, chemicals, herbs, and industrial goods with easily adjustable temperature and time settings.
- **Durable & Reliable**
High-quality stainless steel or mild steel construction withstands continuous industrial use, ensuring long service life and minimal wear.
- **Easy Operation**
Simple, intuitive controls allow quick setup and monitoring without extensive operator training, improving productivity.
- **Flexible Capacity**
Modular tray system accommodates various batch sizes, making it ideal for both small and large-scale production needs.

Applications

Industry	Description
Food Processing	Drying fruits, vegetables, spices, herbs, nuts, grains, pasta, and bakery products for preservation and extended shelf life
Pharmaceutical	Drying tablets, capsules, granules, powders, medicinal herbs, and API (Active Pharmaceutical Ingredients)
Agriculture	Drying seeds, grains, pulses, tea leaves, coffee beans, and animal feed for storage and processing
Textile	Drying fabrics, garments, yarns, and printed materials after washing or dyeing processes
Rubber & Plastic	Drying rubber sheets, plastic granules, molded products, and polymer compounds
Herbal & Ayurveda	Processing medicinal plants, herbs, roots, and natural extracts while preserving active ingredients
Ceramics	Drying ceramic products, clay items, pottery, and tiles before firing or finishing



Technical Specifications

Parameter	Specification Range	Description
Heating Method	Electric / Steam / Gas	Source used to generate heat
Operating Temperature	40 – 200 °C	Adjustable drying temperature
Temperature Control	±1 to ±3 °C	Accuracy of temperature regulation
Air Circulation	Forced convection	Ensures uniform heat distribution
Air Flow Rate	500 – 5000 m ³ /hr	Volume of air circulated in chamber
Drying Capacity	5 – 500 kg/batch	Material load per drying cycle
Moisture Removal Rate	1 – 20 kg/hr	Rate of water evaporation
Heating Power	2 – 50 kW	Total heater power rating
Insulation Thickness	50 – 100 mm	Reduces heat loss
Power Supply	220–415 V, 50/60 Hz	Electrical input requirement
Exhaust System	Adjustable vent / blower	Removes moist air
Noise Level	<75 dB	Operating sound level



THANK YOU

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