



IMPERIAL DRYER

48⁺ Years
Of experience



In Association with SVCH-Technologii, Moscow (Russia)
ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018

ABOUT US

KERONE is now renowned for serving the specialized needs of customers with the best quality and economical process of application engineering solutions and industrial heating products manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)



KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.



KERONE is devoted to serve the industry to optimize its operations both economically and environmentally with its specialized process engineering solutions.



KERONE is having immense expertise in manufacturing and implementing various types of engineering solutions.



KERONE is possessing employee strength of more than 280+ experts continuously putting efforts for happy industrial engineering solutions



48+ Years Manufacturing Excellence



Great Sale Support



Highly Customized Product



Adherence to Standards



Sound Infrastructure



Team of experts Delivering Quality



Timely Delivery



Cost Effective Solutions

WHY CHOOSE US

"Choose Kerone for innovative solutions tailored to your unique product needs, ensuring efficiency, reliability, and unmatched quality."

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made Applications Engineering solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique Applications Engineering needs. Choose Kerone Engineering for reliability, performance, and unmatched value.

MISSION



To enhance the value of customer operation through our customer need centric engineering solution.



We are committed to providing our customers with unique and best-in-class products in the industrial thermal processing segments. Through strategic tie-ups for technical know-how with renowned leaders in industry-specific segments, we ensure that our offerings meet the highest standards of quality and innovation.

VISION



Turn into a world leader in providing specialized, top-notch quality and ecological industrial heating, cooling, and drying solutions across the globe.



To attain global recognition as the best of quality and environment-friendly engineering solution company.

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Enhance the value of customer operation through our customer need centric engineering solution.

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TRUSTED PARTNERS





Imperial Dryer

Conveyor belts are stacked one on top of the other to create band dryers. Long residence times and several passes are made possible on constrained floor space by multilayer. Band dryers are built using a number of modular components, each with its own heating and air circulation system. The often used continuous band drier consists of a single pass conveyor that circulates air.

To increase equality of treatment, hot air is circulated from below, above, or in a combination of both directions. The feeding, spreading, cleaning, heating, and chilling portions are frequently included in band dryers. Any type of product, including those that are delicate, sticky, pasty, or those need a long and precise residence time, can be dried using a band drier that is specially built and made for the job.

Features

- The temperature, humidity and airflow speed can be easily set and controlled for each zone according to the progress of drying. (Zone control)
- The drying time can be freely adjusted for consistent heat progression, which produces uniform products with minimal drying unevenness.

- Materials are dried while stationary, which greatly minimizes damage and dust scattering.
- In particular, this dryer allows the granulating and shaping of sludge or irregularly shaped materials. Also appropriate for adhesive or thixotropic materials.
- An (automatic) washing device can be set on the conveyor to make cleaning easy and prevent contamination while maintaining excellent sanitation.
- Usable in a wide range of temperatures, from low temperature (humid air) to high temperature.
- Various models are available (from one stage to multiple stages) for compatibility with both low and high volumes.

Advantages

- Energy saving due to gas recycling.
- Highly homogeneous treatment.
- Adjustment of temperature, gas velocity and direction in each section.
- Multiple processing in one single equipment.
- Versatility of processes and applications.
- Accurate adjustment of residence time.
- Possibility to add accessories for mechanical action on product.

Application

- Thixotropic materials
- Fibrous materials
- Granular food (crackers, snacks, etc.), instant noodles, agricultural produce, chemical products, pod, beans, pigments, dyes, resins, fertilizers, etc.
- Adhesive or cohesive materials
- Regularly shaped construction materials (boards, rock wool boards, calcium silicate boards, plywood boards, etc.); also IC boards, automobile parts, electrical parts, mechanical parts.

Principle

Band dryer is composed of one perforated conveyor supporting a layer of product, passed through by process gas.

Dryer is constituted by several modular sections with independent heating and air circulation systems.

Process gas is blown weather downward or upward or in a combined arrangement in order to improve homogeneity of treatment.

Cooling section can be foreseen after drying zone.

Band dryer can be fitted with accessories (feeder, spreader, cleaning devices, etc).

It is the most appropriate equipment for fragile, sticky, pasty products or product requiring long and accurate residence time.



THANK YOU

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