



TRAY 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.



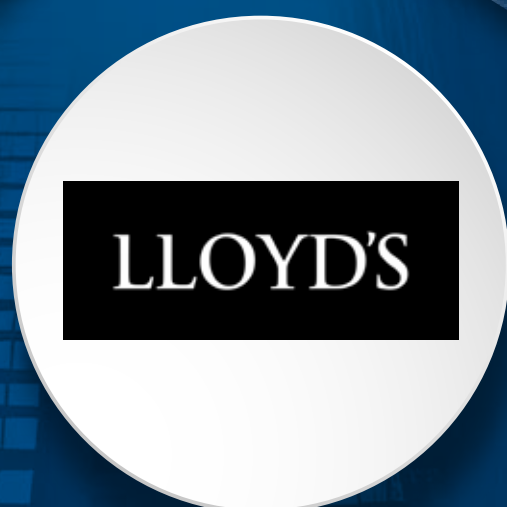
To attain global recognition as the best of quality and environment-friendly engineering solution company.



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



TRUSTED PARTNERS





Tray Dryer

Tray dryer is a widely used industrial drying equipment designed to dry materials in the form of trays or shelves. It is particularly suitable for batch drying of various products in pharmaceuticals, chemicals, food, and other industries.

A tray dryer is a multipurpose industrial device that may be used to dry and dehydrate a wide range of materials in large numbers. It makes effective use of available space by having a number of trays or shelves piled vertically one on top of the other. After arranging the material to be dried on the trays, hot air is circulated throughout the apparatus to complete the drying process.

The device works on the convection principle, forcing hot air through the trays to collect moisture from the material and release it as humid air. It is possible to regulate the temperature and air-flow to meet the unique needs of the item being dried. Because of its adaptability, tray dryers may be used for a variety of items, including fruits, vegetables and powders and granules.

Tray dryers are a common option for small- to medium- to larger sized industrial settings because to their lightweight construction and simplicity of use. Tray dryers, for instance, are frequently used in pharmaceutical applications to dry wet granules or powder blends following wet granulation, improving the overall effectiveness and caliber of the manufacturing process.

Features

- Tray Configuration
- Uniform Air Distribution
- Temperature Control
- Adjustable Shelves
- Durable Construction
- Insulation
- Monitoring and Control Systems
- Safety Features
- Easy Maintenance
- Portability and Mobility

Advantages

- Batch Processing
- Uniform Drying
- Controlled Drying Conditions
- Energy Efficiency
- Easy Maintenance
- Compact Design
- Gentle Drying
- Ease of Operation
- Cost-Effective

Application

- Pharmaceutical Industry
- Chemical Industry
- Metallurgical Industry
- Agrochemicals
- Plastics Industry
- Cosmetics
- Mining and Minerals

Technical specifications

Models	TD-12	TD-24	TD-48	TD-96	TD-192
Loading capacity	12 Trays	24 Trays	48 Trays	96 Trays	192 trays
No of Doors	One	One	One	Two	Two
No of Blowers	One	Two	One	Two	Four
No of Trolleys	Rack System	Rack System	One	Two	Four
Steam Pressure	3.3 kg/cm2	3.3 kg/cm2	3.3 kg/cm2	3.3 kg/cm2	3.3 kg/cm2
Steam consumption	25 LBS/hr.	45 LBS/hr.	60 LBS/hr.	80 LBS/hr.	120 LBS/hr.
External Dimension in mm	1370X530 X940	1370X940 X940	1980X1020 X1880	3320X1900 X1880	3320X1900 X1880
Internal Dimension in mm	840X430 X840	840X860 X840	1020X930 X1830	1960X930 X1830	1960X930 X1830
No of motors/H.P.3 Phase 415 Volts	1/0.5 H.P.3 phase 415 volts	1/0.5 H.P.3 phase 415 volts	1/1 H.P.3 phase 415 volts	2/1 H.P.3 phase 415 volts	4/1H.P.each3 phase 415 volts
Steam Heater No. of coils.	2	2	2	2	2
Electrical Heating Load for 100°C / 200°C / 300°C	3kw/6kw /9kw	6kw/9kw /12kw	9kw/15kw /18kw	15kw/21kw /27kw	36kw/42kw /48kw
Insulation in mm 100°C / 200°C / 300°C	50/75/75	50/75/75	50/75/75	50/75/75	50/75/75

Can be customized according to user requirements.



THANK YOU

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