



# SPRAY DRYER

**48<sup>+</sup>** 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.

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# TRUSTED PARTNERS







## Spray Dryer

Spray drying is a method of dehydrating fluids, solutions and thin slurries; it converts the fluids or slurries to powder form. Liquid or slurry material to be dehydrated is sprayed in the form of a fine droplet dispersion into hot airstream.

Both air and material either travel in parallel or counterflow. Drying in a spray dryer occurs at a very fast rate so that the contact of material to heat is not for a longer time; hence it does not damage the heat selectivity materials and becomes ideal for drying such materials.

Kerone has meticulous experience when it comes to design and built spray drying units that can be utilised for various applications in varying industries.

So far we have helped tons of our clients with their drying needs. Our team of engineers and quality manufacturing process helps us to achieve the accuracy and product quality.

## Features

- Spray Dryers are continuous drying techniques; higher production speed can be achieved.
- Spray dryers are rapid dryers; drying rate is high.
- Product quality can be controlled and maintained in the drying process.
- Highly controllable drying systems: flow of hot air, droplet speed and droplet temperature can be effectively controlled.
- Fine droplets shaped offers more surface area for heat and mass transfer.
- Spray dryer can be used to achieve wide range of production rate.
- Minimum human intervention required; hence it reduces the operator/labour cost.
- Dried product, free flowing product of uniform size and dimension can be achieved.

## Advantages

- Rapid Drying Process
- Consistent Particle Size and Composition
- Preservation of Product Characteristics
- Versatility in Feed Materials
- Cost-Effective and Efficient
- Controlled Process Parameters
- Reduced Thermal Degradation
- Ease of Handling and Storage
- Better Quality Products
- Longer Shelf Life



## Application

- In dairy production and processing of milk
- Production of Powdered milk, skimmed milk and whole milk
- Processing Egg-based products
- Spray dryers find application in tablet production for drying of liquid to powder
- Production of sweets and ordinary edible acids
- Processing Coffee/ Tea whiteners
- Wheat and corn based products in bakery

## Technical specifications

Minimum Order Quantity	1 Unit
Country of Origin	Made in India
Capacity	10 Kg/hr. up to 5000 Kg/hr.
Material	S.S
Max Temperature	10 TPH
Design	Standard, Customized
Automatic Grade	Automatic, Semi-Automatic
Features	Single Stage, Two Stage, Three Stage
Air-Flow Direction	Co-current / Counter Current
Controls	MCC / ICP and PLC SCADA
Condition	New
Max Temperature	1400 Deg C
Usage/Application	Food , Pharma , Chemical , Clays , Dyestuff , Leather, Pigment , Polymer , Textile



# THANK YOU

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