



KERONE
Kerone Engineering Solutions Limited



LAB SPRAY 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





Lab Spray Dryer

Spray Dryers For Particle Formation & Drying

Spray drying is the most widely used industrial process involving particle formation and drying. It is highly suited for the continuous production of dry solids in either powder, granulate or agglomerate form from liquid feed stocks as solutions, emulsions and pumpable suspensions. Therefore, spray drying is an ideal process where the end-product must comply to precise quality standards regarding particle size distribution, residual moisture content, bulk density, and particle shape. Spray drying involves the atomization of a liquid feed-stock into spray of droplets and contacting the droplets with hot air in a drying chamber. Evaporation of moisture from the droplets and formation of dry particles proceed under controlled temperature and airflow conditions. Both air and material either travel in parallel or counterflow. Drying in spray dryer occurs at very fast rate so that the contact of material to heat is not for longer time hence it does not damage the heat selectivity materials and becomes ideal for drying such materials.

Application

- Encapsulated Flavours - Natural synthetically Developed etc.
- Palm/Orange/sandalwood/ground nut/Cod liver oil etc.
- Reactive / disperse dyes for cloth dyeing & Engineering pigments, optical whiteners etc.
- Textiles chemicals, encapsulated, fragrant dyes, heat/electrical protective dyes etc.
- Mono/mixed spices etc.
- API, Formulation, Taste Masking
- Calciums / Carbonators / Aluminum Chloride, Zeolite etc
- Misc polymers and resins for allied industries
- Specialty alloys, precious metals etc.
- Milk, milk derivatives, soyabean products, tea, coffee, instant foods baby foods, weaning Foods, egg products, chocolate etc.
- Encapsulated fragrances/perfumes like day to day body odours - Brut, Eu-de-cogn, Musk, Lavender, Rose, Sandalwood etc.
- Quality Ceramics with special electro-mechanical properties for tiles ceramic, Ortho-dentistry etc.

Optional Features

- Counter current Spray Nozzle
- PC Software (SPD-P-111)
- Air Compressor(Oil free)
- Ultra Sonic Nozzle (60/120 Khz)
- Hot Melt System
- Inert Loop for Solvent Recovery (SPD-P-111)

Technical Specification

Evaporation Rate	Approx. 1Lit./Hr. (H2O)
Inert Air Temperature	Ambient to 280° C
Heater Capacity	3 KW
Power Supply	220-240 VAC 50 Hz
Single Phase Max	15A
MOC	S.S with dull pharma finish
Aspirator Blower	0.5HP X 2800 RPM 3 phase FLP motor
Fresh Air Filter	Pre Filter 5 Microns. Hepa Filter 0.3 Microns



THANK YOU

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KRDC

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