



ONLINE RADIO FREQUENCY (RF) DRYER

Environment Friendly Engineering Solution Company



In Association with SVCH-Technologii, Moscow (Russia)

www.kerone.com

ISO 9001:2015 | ISO 14001:2015 | EMS 14001 | OHSAS 18001:2007

About Kerone

KERONE now renowned name in serving specialized need of customers with best quality and economical process Heating /cooling and drying products, manufactured in high quality environment by well trained and qualified workforce(special purpose machineries) .

KERONE is pioneer in application and implementation engineering with its vast experience and team of professionals. KERONE is devoted to serve the industry to optimize their operations both economically and environmentally with its specialized heating and drying solutions.

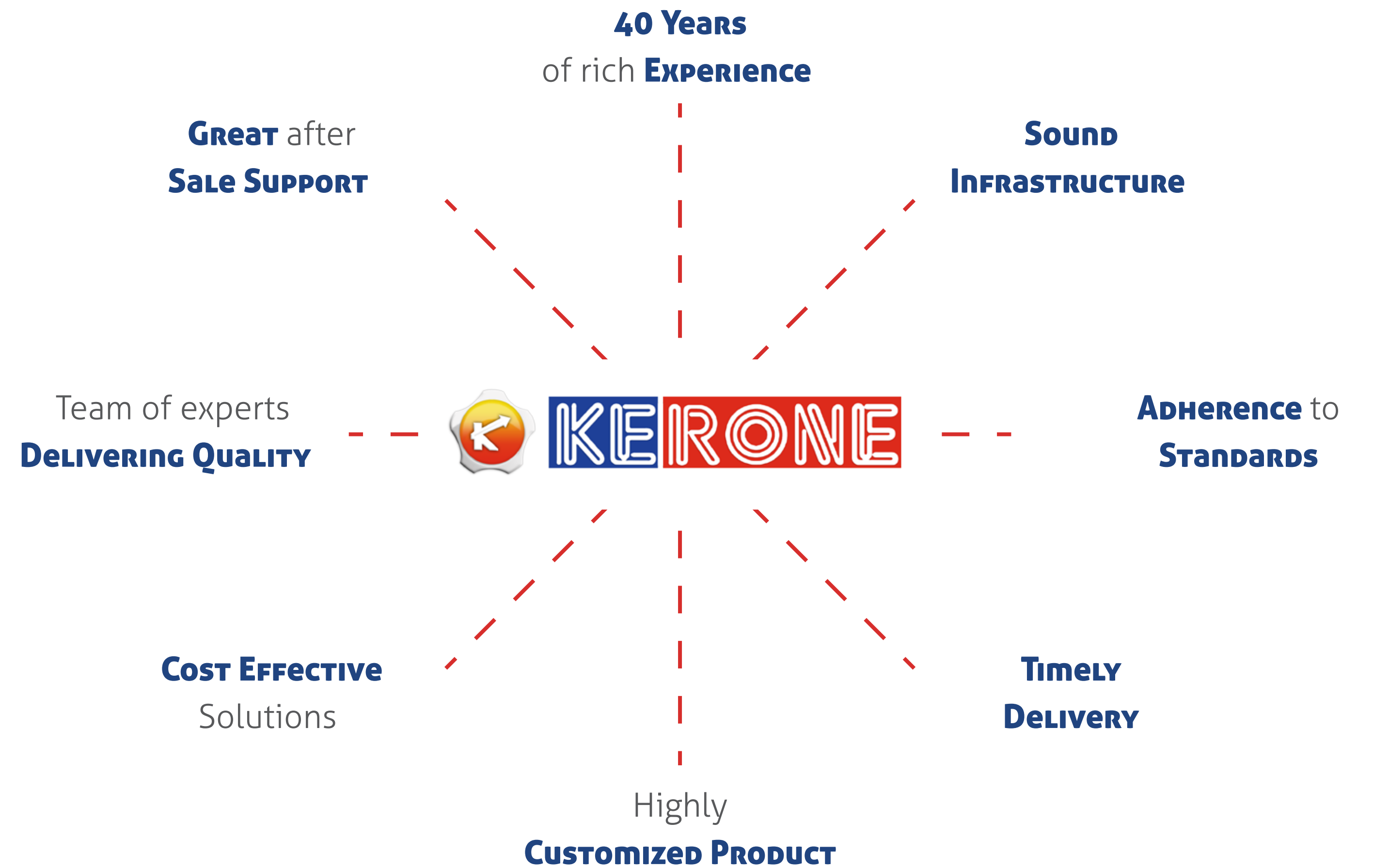
“Enhance the value of customer operation through our customer need centric engineering solution”

Mission

- To enhance the value of customer operation through our customer need centric engineering solution.
- We are committed to provide our customers, unique and best in class products in Industrial heating, drying and cooling segment, with strategic tie-up for the technical know-how with renowned leader in the industry specific segment.

Vision

- Turn into world leader in providing specialized, top-notch quality and ecological industrial heating, cooling and drying solution across the globe.
- To attain global recognition as best of quality and environment friendly engineering solution company.



Introduction to Online Radio Frequency (RF) Dryer

Conventional mode of Drying Textiles after they have been dyed is a slow process. Textile industries can increase Throughput and fill orders more prominently using Radio Frequency (RF) Dryers. RF system has capability to accelerate the drying process and shorten production time. RF drying offers High Volume, High speed and High quality drying which is what exactly needed in textile industries.

As wet garments of Acrylic, Cotton, Nylon and Polyester Blends pass through the drying chamber, the radio waves vibrate the contained Water molecules million times per second, vaporizing them. Ventilator Fans are used to remove damp air from the Drying Chamber. The dryer system comprises the 125kW industrial high frequency generator in conjunction with a drying chamber incorporating an electrode applicator and air extraction system.

The equipment is suitable for drying most types of fibers which have had prior mechanical moisture extraction in either, cone and muff, bump or loose stock form. Many types of fiber can be dried.

The machine incorporates a modular polypropylene conveyor band and conveyor system. Because of the RF waves concentrate in the wettest, densest portion of the garments.

RF drying has a leveling effect that practically eliminates any problems of uneven shrinkage and over drying. The RF drying times depend on the type of fabric, the percentage of moisture in the fabric going in to the dryer, and the degree of dryness desired.



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Features

- Energy applied by radio waves at a frequency of 40.68 MHz.
- Volumetric heating keeps the temperature low and uniform throughout the web to prevent overheating.

Applications

Radio frequency drying is often used to dry crackers, cookies, and other snack foods after they've been baked. It can also be used to dry ceramics, synthetic foam, textiles, water-based inks and adhesives in paper products, and fiberglass yarn. Other applications include sterilizing bagged materials and preheating thermoset plastic molding compounds. Drying municipal sludge and timber is being investigated.

Advantages

- Faster Drying
- Faster Production
- Increased Labor Production
- Less work in progress
- Energy Saving
- Less Down Time
- Lower Maintenance
- Space savings

3D View



Trusted Partner



Our Clients



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