



48⁺ Years
Of experience

MICROWAVE & INFRARED RUBBER VULCANIZATION LINE



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





Microwave & Infrared Rubber Vulcanization Line

Rubber vulcanization has been a vastly popular application of Microwave Heating. While there are also types of cold vulcanization, microwave systems are always used for hot vulcanization. The continuous vulcanization of rubber profiles is the main application of microwave vulcanization systems. As the heat transfer in other heating systems only takes place through the surface of the product, the heating process is time consuming and can lead to negative effects like over-curing etc. In order to shorten down the vulcanization time and to avoid possible problems, these parts can be pre-heated using microwave ovens, as the radiation penetrates the rubber and heat the material from core to surface simultaneously and hence microwave curing is very fast.

Infrared Rubber curing systems is highly efficient for the pre-vulcanization of profiles and hoses. Arranged between the rubber extruder and the continuous vulcanization line, the highpower infrared radiation pre-cures the surface of the rubber products. This is related to a better dimensional stability and an excellent surface quality. Typically these systems are about one meter long and have got a heating capacity of about 30 kW. However, rubber is a poor conductor for thermal energy and hence there was a high demand of microwave heating systems.

Features

- Throughput of 50 to 500 kg/hour
- Hot Air Circulation of 100 to 1000 cfm
- Typical cross section of 250 mm (W) x 200 mm (H)
- Maximum Process Temperature from 100 to 400 deg. C
- Hot Air Temperature Control from 200 to 300 deg. C
- Installed Microwave Power of 1.45 kW to 29 kW
- Step-less Power Control using Microcontroller Module
- Highly Integrated Interlocks with a Remote Control Panel

Advantages

- Rapid heating
- Energy efficiency
- Energy efficiency
- Accelerated vulcanization
- Overall cost effectiveness/savings
- Ability to operate from an electrical source
- Provides more uniform heating, resulting in better product consistency and quality.
- Lower emissions and environmental impact compared to some traditional vulcanization methods.

Application

- Automobile Industry
- Transport Industry
- Pharma Industry
- Sports goods
- General Rubber Industry

OUR CLIENTS









THANK YOU

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