

LABORATORY EQUIPMENT



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 Heating /cooling and drying products, manufactured in a high-quality environment by a trained and qualified workforce (special purpose machinery)

-  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



KERONE is a pioneer in application and implementation engineering with its vast experience and team of professionals.



KERONE is devoteded to serve the industry to optimize its operations both economically and environmentally with its specialized heating and drying 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.

WHY CHOOSE US

With decades of expertise, cutting-edge technology, and a customer-centric approach, Kerone Engineering offers tailor-made heating solutions that prioritize quality, flexibility, and cost-effectiveness. Benefit from our commitment to excellence, post-sales support, and innovative solutions for your unique heating 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 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

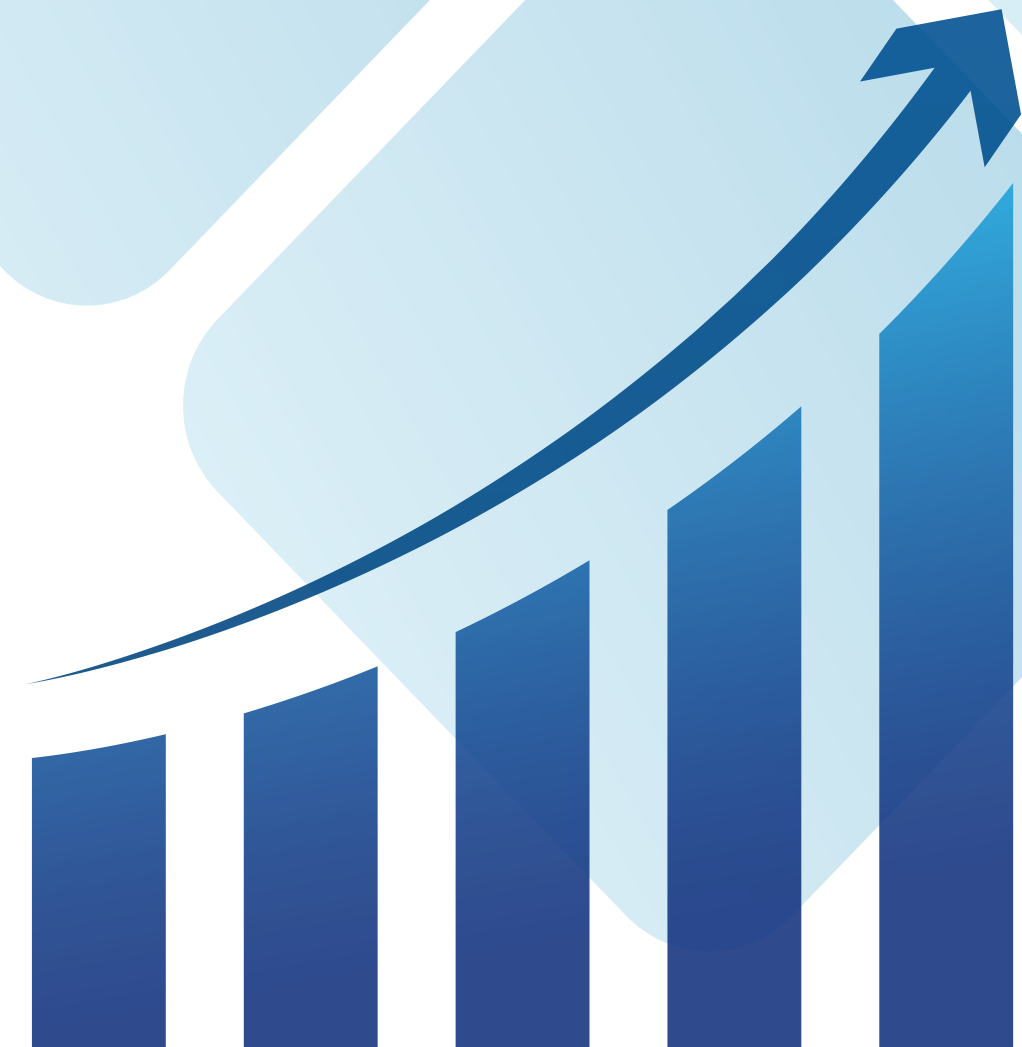
VISION

- ✓ Turn into 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.

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

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What Is a Laboratory?

A laboratory is a controlled environment where scientists, researchers, or professionals conduct experiments, make observations, and perform research. Laboratories are designed to ensure safety and accuracy while working with materials, chemicals, or biological agents. They are often equipped with specialized tools and equipment like microscopes, beakers, Bunsen burners, and other instruments to facilitate scientific study and data collection.

A laboratory is a room or a place equipped for the performance of tests, experimentation, investigative processes .



Lab equipment

Laboratory equipment encompasses a wide range of specialized tools and devices used to conduct experiments, analyze samples, and carry out research across various scientific disciplines. These include basic items like beakers, pipettes, and test tubes, as well as advanced instruments like spectrophotometers, centrifuges, and chromatographs. Each piece of equipment serves a specific purpose, such as measuring, heating, mixing, or separating substances, ensuring precision and accuracy in experiments. Laboratory equipment is essential in fields like chemistry, biology, physics, and medical diagnostics, supporting activities ranging from sample preparation and testing to complex data analysis. Many modern tools are equipped with advanced features like digital displays, automated controls, and integrated software for enhanced functionality. Proper maintenance, calibration, and adherence to safety protocols are crucial to ensure reliable results and protect users in laboratory environments.

- Glass or plastic containers for mixing, heating, or storing liquids.
- Flasks (e.g., Erlenmeyer flask, volumetric flask) - Used for mixing chemicals, holding reactions, or measuring liquid volumes accurately.
- Used to measure and transfer precise volumes of liquid.
- Tall cylindrical containers for precise measurement of liquid volumes.

Incubator

- | Is a device used to grow and maintain microbiological cultures.
- | The incubator maintains optimal temperature, humidity and other conditions such as the carbon dioxide (CO₂) and oxygen content of the atmosphere inside.
- | An incubator in an industrial laboratory setting is a piece of equipment designed to maintain a controlled environment for the growth, storage, or testing of biological and chemical samples. It regulates temperature, humidity, and sometimes even oxygen and carbon dioxide levels to create ideal conditions for specific industrial applications. Industrial incubators play a crucial role in pharmaceuticals, biotechnology, food and beverage industries, and even material science.



Autoclave

Autoclaves are vital in industries like healthcare, laboratories, and manufacturing, ensuring the sterilization of tools, glassware, and materials to prevent contamination. They operate by creating high-pressure steam within a sealed chamber, effectively killing microorganisms, including resistant spores. Modern autoclaves come in various sizes and types, including gravity displacement, pre-vacuum, and laboratory autoclaves, catering to specific needs.

An autoclave is a pressure chamber used for sterilization and other applications requiring elevated temperature and pressure. It works by using steam to kill bacteria, viruses, and spores on medical instruments, lab equipment, and other items. Commonly used in healthcare, research, and industrial settings, autoclaves operate by heating water to create steam, which is then pressurized to achieve temperatures typically between 121°C and 134°C. This process ensures effective sterilization, making autoclaves essential for maintaining hygiene and safety standards in various fields.



Oven

An oven is a versatile kitchen appliance used for baking, roasting, grilling, and reheating food. It operates by generating heat through electricity, gas, or convection, which is distributed evenly within a closed chamber to cook food thoroughly. Modern ovens come in various types, including conventional, convection, microwave, and combination ovens, each designed for specific cooking needs. They are essential in households and commercial kitchens, enabling the preparation of a wide range of dishes with precision and consistency. Ovens often include features like temperature control, timers, and self-cleaning options, making them convenient and user-friendly tools for cooking.



Laboratory refrigerator

A laboratory refrigerator is a specialized cooling unit designed to store temperature-sensitive materials such as biological samples, chemicals, reagents, and pharmaceuticals at a consistent, low temperature. These refrigerators maintain precise temperature ranges, typically between 2°C and 8°C, to ensure the integrity and stability of stored items. Unlike standard household refrigerators, laboratory refrigerators are equipped with advanced features like temperature alarms, digital displays, adjustable shelving, and lockable doors to enhance security and functionality. They are widely used in research facilities, hospitals, and industrial settings, playing a critical role in preserving specimens and ensuring compliance with safety and storage standards.

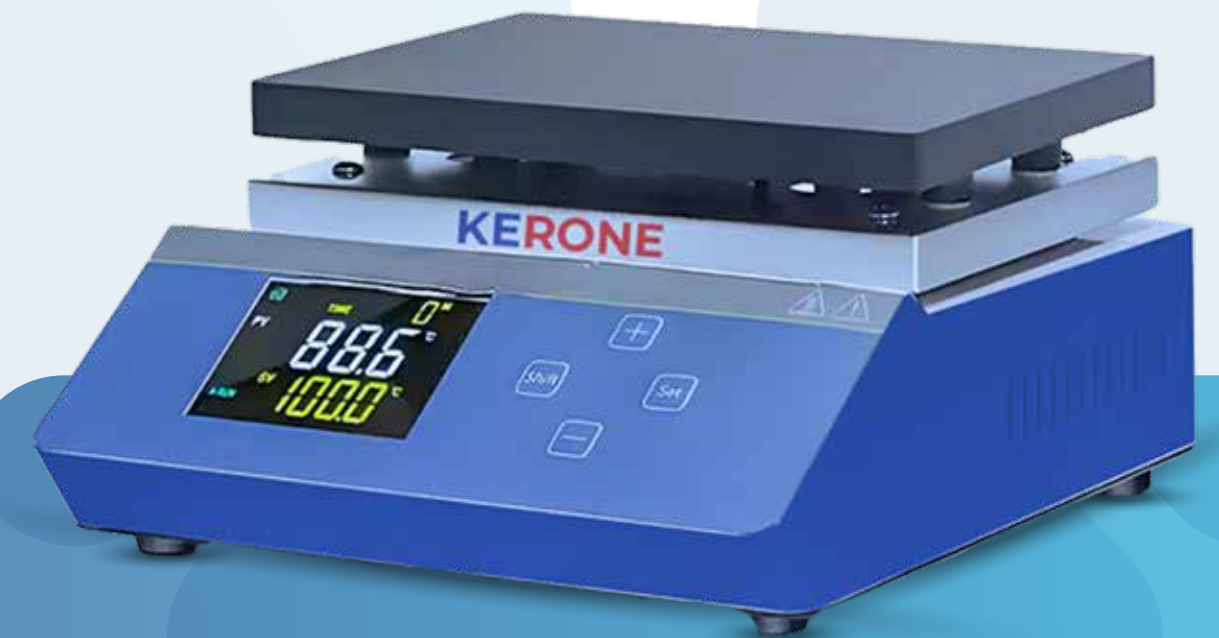
Is used for a wide variety of purposes such as:

- Maintenance and storage of stock culture between subculturing periods.
- Also used as repository for thermolabile solutions, antibiotics and serums.
- Storage of sterile media to prevent dehydration.



Hot plate / Stir plate

A hot plate, often combined with a stir plate, is a laboratory device used for heating and mixing substances in a controlled manner. The hot plate provides a flat, heated surface, ideal for warming liquids or solid samples, while the integrated magnetic stirrer allows for uniform mixing through a magnetic bar placed inside the container. These devices are essential in chemistry, biology, and other scientific fields for tasks like dissolving solutes, preparing solutions, or conducting reactions under specific temperature conditions. Modern hot plates often feature adjustable temperature controls, digital displays, and safety mechanisms such as overheat protection, ensuring precise and safe operation. Their versatility and efficiency make them indispensable tools in both research and educational laboratories.



Water bath

A water bath is a laboratory equipment used to heat samples gently and uniformly, making it ideal for applications requiring precise temperature control without direct heat. It consists of a container filled with water, which is heated to a desired temperature using an integrated heating element. Commonly used in biology, chemistry, and medical laboratories, water baths are essential for processes like incubation, warming reagents, thawing frozen samples, and enzymatic reactions. They are available in various types, including circulating, non-circulating, and shaking water baths, each suited to specific tasks. Many modern water baths feature digital temperature controls, timers, and safety mechanisms to prevent overheating or evaporation. Their reliability and precision make them a cornerstone in experimental and clinical settings.



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