

Haier Biomedical's 2022 Corporate Social Responsibility Report Released

On March 28, Haier Biomedical released its 2022 Corporate Social Responsibility Report ("Report"), which discloses the company's responsible practices in the areas of corporate governance, environment, and society. In 2022, in line with its corporate social responsibility vision of "Smart Life, Shared Future", Haier Biomedical has constructed a life-centric corporate social responsibility model that focuses on leadership, integrity, future, and ecosystem, and gave back to the society through concrete actions.

The report pointed out that Haier Biomedical's operating income in 2022 was \$41.43million, while the total global tax burden was \$30.42million. The company also provided society with a total of 2690 job opportunities, greatly contributing to social development and people's livelihood.



Haier Biomedical 2023 AACR Exhibition was a Success

In 2023, the American Association for Cancer Research (AACR) has successfully concluded. With the focus on the tumor research community, AACR brings together the latest research progress of about 25,000 experts and scholars around the world to share together the latest in oncology medicine. As an life science and medical innovation digital scene solution service provider, Haier Biomedical showcased biobank and laboratory solutions and products to customers and partners during this event. It showed that Haier Biomedical has continuously occupied the high point of scientific and technological innovation in life science and medical innovation sectors, and is the leading the industry in the field.



On-site Negotiations



The Haier Biomedical Team at the AACR Exhibition

During the four-days exhibition, Haier Biomedical attracted many global buyers to consult, showing a strong interest in the products and solutions and given high evaluation and recognition, reached new deals to procure products directly during the event.



Haier Biomedical Products Have Been Highly Recognized by Local Customers



The Haier Biomedical Team Showcasing the Product Functions to the Visitors

The successful end of the AACR exhibition indicates Haier Biomedical made another step for localization strategy in the US market. In the future, Haier Biomedical will continue to cultivate in the digital scene plan of life science and medical innovation. Creating the best users experience with integrated global resources, maintain friendly exchanges with partners around the world, exchange the frontiers of the industry, reach mutual benefit for win-win solutions!

Autoclave | "It is Essential to Spread the Knowledge of Pandemic Prevention."

The global outbreak of the COVID-19 virus has made us all pay more attention to the popularization and practice of pandemic prevention knowledge. Many people may ignore the equally devastating epidemics in history, such as the plague that broke out in the 14th century. Plague is an infectious disease caused by bacteria, which is mainly transmitted by rodents and fleas. It once swept through Eurasia and claimed the lives of millions of people. However, in order to reduce the harm of the pandemic to ordinary people, it is necessary not only to publicize pandemic prevention knowledge on public platforms and raise public awareness of pandemic prevention, but also to pay attention to the popularization of pandemic prevention knowledge in various institutions during the high incidence of the epidemic.

Sterilization is a very important part of pandemic prevention work. After entering the 19th century, as scientists proved the existence of microorganisms, high-pressure steam sterilizers became the most widely used and most effective equipment in hospitals and laboratories. It is used for safe sterilization of ordinary culture medium, surgical instruments, glass containers, syringes, dressings, as some examples. If a pandemic comes, disinfection and sterilization are an important measure to control cross-infection of patients. It plays a positive role in strengthening the treatment effect and optimizing the hospital treatment environment. In order to effectively prevent the spread of the disease, it is necessary to sterilize laboratories, medical institutions, etc. In this respect, the advantages of Haier Biomedical Autoclave are very obvious. With the improvement of sterilization efficiency and safety requirements, traditional sterilization methods are somewhat weak. Sterilizers, as necessary equipment for disinfection in the medical research process, are widely used in various biological laboratories and other institutions. As an important basic equipment for the biotechnology R&D innovation chain and the biosafety industry chain, the Haier Biomedical Vertical Autoclave breaks through technical barriers and promotes the high-end development of the industry. With its flexible and changeable functional modules and advanced control system, this product is operated by one-button automatic operation, which meets the efficient and safe sterilization requirements of medical and health and biomedical scientific research units at all levels for various loads.



Thirdly, humanized design, labor-saving operation. Water injection, heating, exhaust, sterilization, decompression, drainage, drying, the whole process is automatically controlled without manual operation, and can be completed with one button.

Finally, the Haier Biomedical Autoclave has a series of convenient operation design. It is designed with automatic drying function, it has two pressure relief methods: one-button start quick program and fast pressure relief and slow pressure relief. It is equipped with heat control and timing start function. The heating time of the sterilizer improves the efficiency of the experiment; the timing start function can start the sterilization program according to the predetermined time, which is convenient for arranging the experiment time. At the same time, the Haier Biomedical Autoclave have various exhaust modes such as fixed-temperature exhaust, dynamic exhaust, and full-range exhaust, which can completely eliminate cold air in the sterilizer, increase steam saturation, and ensure effective sterilization.

In addition, in terms of safety control, the Haier Biomedical Autoclave is safe and reliable with an industry leading high performance. Such as automatic over-pressure decompression, automatic over-temperature protection, low water level power failure alarm, sterilizer door safety protection system, sensor disconnection detection and full protection heat insulation cover, etc., to comprehensively guarantee the safety of the sterilizer during use, the autoclave can be safely used for the sterilization of various precision equipment.



In short, the popularization of public knowledge about pandemic prevention and the use of sterilizers by various institutions are very important. Only through science can people's awareness of pandemic prevention be improved, and the efficiency of pandemic prevention work in various institutions can be improved, to better prevent and control the spread of diseases. The advantages of Haier Biomedical's sterilizer are also obvious, and we believe it can also provide more help for our pandemic prevention work in the future.

As an ecological brand of life science and medical innovative digital scenarios, Haier Biomedical will continue to focus on user experience, continue to innovate and empower, provide assistance for the high-quality development of medical institutions, and protect the health and safety of the public through the intelligent protection of life science.

Science and Technology Lead the New Trend of Ultra-low Temperature Preservation

In order to maintain the stability of biological samples, a large number of case samples need to be stored internally in an ultra-low temperature environment for transport, and the demand for Ultra-low temperature freezers has skyrocketed since COVID-19. Since the early stages of COVID-19, more and more pharmaceutical industries, university academies and various medical laboratories have begun to carry out scientific research on biological samples, and the demand for high-quality storage of many precious biological samples has surged. This increase in research as brought to the forefront, that quality, stability, and performance is of the highest importance, and the requirements for the safety of storage is not negotiable. In addition, in response to the call for green and low-carbon, organizations prefer to choose low-energy products. The above requirements are challenges for the development of ultra-low temperature freezers.

Technology Creates Ultra-low Temperatures

- **Dual System Independent Cooling - Safe**
The refrigeration system can be operated independently, each system can maintain -80°C when the other system stopped
- **Higher Temperature Uniformity - Stable**
Intelligent inverter compressor + hydrocarbon refrigeration, uniformity $\pm 3^\circ\text{C}$
- **"Double" Cascade Refrigeration - Smart**
The system works intelligently according to the real-time temperature in the cabinet, matching the working conditions, and the press is intelligently combined
- **World-leading Performance - Energy - Saving**
Variable speed fan, frequency conversion compressor and optimized structural design, saving power, energy saving and space

User-friendly Design, Easy to Use and Comfortable

- **Integrated ergonomic handle design - less effort to open the door**
- **The noise is as low as 46db - quieter work**
- **Safety lock alarm system - samples are safer**



Based on the needs of the industry, Haier Biomedical released the TwinCool Frequency Conversion ULT Freezer, designed with dual cooling system and Adaptive Refrigeration Technology to ensure the safety of biological samples, improve energy consumption, and truly achieve green and efficient storage.



Intelligent Interconnection and Efficient Management

- **Safer, smarter, more precise, more energy efficient**
- **Haier Biomedical -86°C Ultra-low temperature freezers with intelligent TwinCool technology**
- **Bring a better experience to biological sample storage**
- **Technology creates ultra-low temperature, quality protects every point**



DW-86L8285T

