Kenton
Together with Researchers

HT Series
Ductless Filter Fume Hood
HT-700 -900 -1200 -1500 -1800

From Kenton's high-end series — ergonomic design, based on European and American manufacturing craftsmanship, intelligent microcomputer control system, optimized clean solutions, independent purification equipment that no requires external exhaust pipes environmentally friendly design, reducing laboratory ventilation costs and energy consumption, making your experiments more efficient and effortless

HT-700,HT900(Desktop）

HT-1200-1500-1800

HT Series Ductless Fume Hood

3 years warranty

The HT Ductless Fume Hood is designed to provide better safety protection for laboratory personnel and the environment against toxic smoke, corrosive gases, and other harmful substances. Unlike traditional fume hoods, the clean air fume hood uses negative pressure technology to contain pollutants within the hood, preventing them from escaping. It then passes chemical fumes or pollutants through an activated carbon filter and circulates clean, safe air back into the laboratory, reducing ventilation costs and energy consumption while protecting both personnel and the environment. This equipment does not require external exhaust piping, making it widely used in basic education, life sciences, forensic identification clinical medicine, and industrial clean applications. Due to its easy installation and energy-saving design it is gradually replacing traditional fume hoods.

HT Series Ductless Fume Hood

Utilizes fluid dynamics design to improve airflow uniformity, avoiding turbulence and enhancing safety while reducing noise and saving energy. Counterweight-style sliding front door(HT-1200-1500-1800), adjustable in height and position. The built-in lighting system provides optimal illumination angles and brightness, reducing visual fatigue. The detachable stand is easy to transport, lowering transportation costs.
Uses internationally advanced activated carbon filtration technology to effectively filter harmful gases and substances without requiring an external exhaust system, reducing installation and indoor ventilation costs. The independent clean air equipment is portable.
Optional HEPA high-efficiency filters can trap and filter particles generated during operation and recirculate clean air into the laboratory, meeting laboratory purification standards.
Ergonomically designed front with a 10-degree tilt for more comfortable operation. The work surface is made of corrosion-resistant SUS304 stainless steel, and the sides are equipped with tempered glass observation windows, which are easy to clean.
Integrated LCD display shows real-time parameters such as lighting, sterilization, and airflow. It features a sterilization and lighting interlock function to protect operators from UV light burns. The fan speed is adjustable in multiple levels, allowing users to set the appropriate airflow. It also has a differential pressure sensor and filter failure indicator function (optional).
The work area is equipped with a UV sterilization lamp and includes two standard power outlets for convenient access during experiments.
The maintenance-free DC centrifugal fan system, with a reverse curve electric impeller design, provides optimal airflow uniformity, low noise, and reduced energy consumption.

Comparison Between Traditional Fume Hoods and Clean Air Fume Hoods					
			Traditional Fume Hoods	**Clean Air Fume Hoods**	**Explanation**
Initial cost	A	Duct system	￥5000 RMB	None	The application of a high-efficiency activated carbon adsorption system has replaced the external exhaust duct system
	B	External Exhaust Fan	￥1000 RMB	None	The integrated fan effectively overcomes the pressure drop caused by airflow passing through the activated carbon filter
	C	Air Compensation System	￥6500 RMB	None	The design without an external exhaust duct means that the processed airflow does not need to be expelled outside the laboratory. There is no need for air compensation (such as hot or cold air)
		Amount saved on infrastructure costs： ￥12500 RMB			
Annual Operating Costs	D	External Exhaust Fan	￥10000 RMB	None	The integrated fan's energy consumption is significantly
	E	In-Hood Exhaust Fan	None	￥600 RMB	lower than that of high-power external exhaust fans
	F	Air Compensation System	￥3500 RMB	None	Traditional fume hoods continuously expel processed airflow outside, increasing the energy consumption of aircompensation systems (such as hot or cold air)
	G	Activated Carbon Filter	None	3000 RMB	Assuming the customer replaces the filter once a year,the operating costs remain relatively low
		Amount saved on annual operating costs ： ￥9900 RMB			

Note: The numerical values are based on energy prices from the commercial sector and are for reference only. The actual values may vary under different conditions

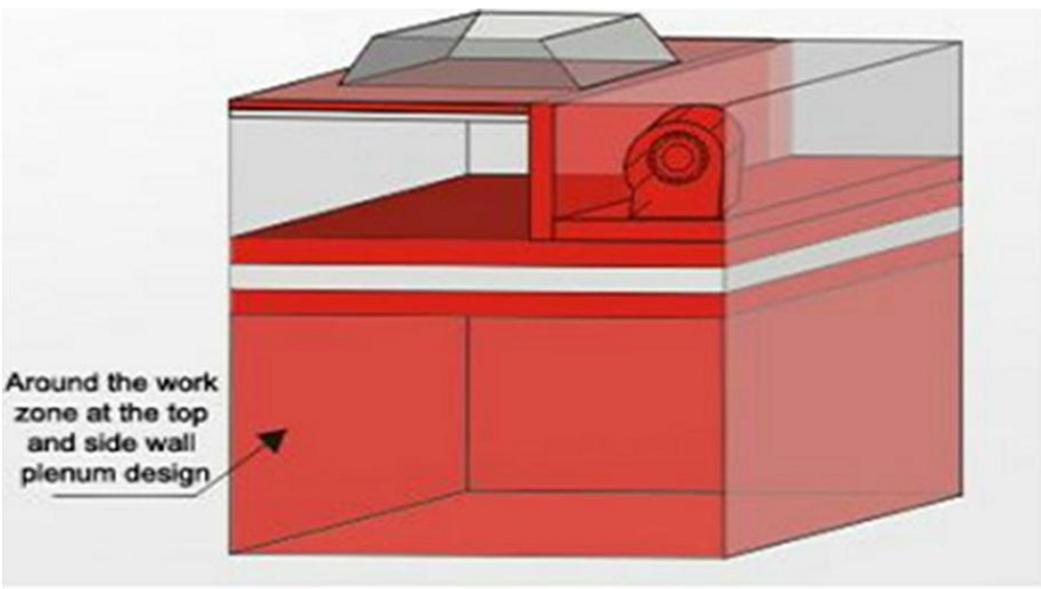
HT Ductless Fume Hood						
Model		HT-700	HT-900	HT-1200	HT-1500	HT-1800
External Dimensions (Height x Width x Depth)		920×710×510mm	1120×910×560mm	2115×1270×755mm	2115×1570×755mm	2115×1870×755mm
Internal Dimensions (Height x Width x Depth)		600×700×500mm	800×900×550mm	780×1200×595mm	780×1500×595mm	780×1800×595mm
Pre-filter		Disposable, non-washable polyester fiber, with an efficiency of 85%,				
Main Filter		Nano activated carbon particle medium, with an operating efficiency				
Inlet Airflow		0.4~0.6m/s				
Noise Level		Under normal environmental conditions, the measured noise level is ≤				
Fluorescent Lamp		600-800 Lux		>1000 Lux (>93 foot-candles)		
Cabinet Structure	**Main Cabinet Body**	Organic glass+Cold-rolled Steel Plate, Surface Powder Coating		1.2mm High-quality Cold-rolled Steel Plate, Surface Powder Coating		
	Side	Tempered Glass Observation Window				
	Work Surface	1.0mm 304 Stainless Steel				
Power Supply	**Power Supply**	AC220V/110V				
	Fan	245W		420W		
	Socket			10A		
	Power	300W		500W		
Environment		Temperature: 10°C - 30°C; Relative Humidity: ≤75% RH				
Net Weight		32KG	45KG	225KG	245KG	293KG
Shipping Weight		40KG	55KG	245KG	268KG	381KG

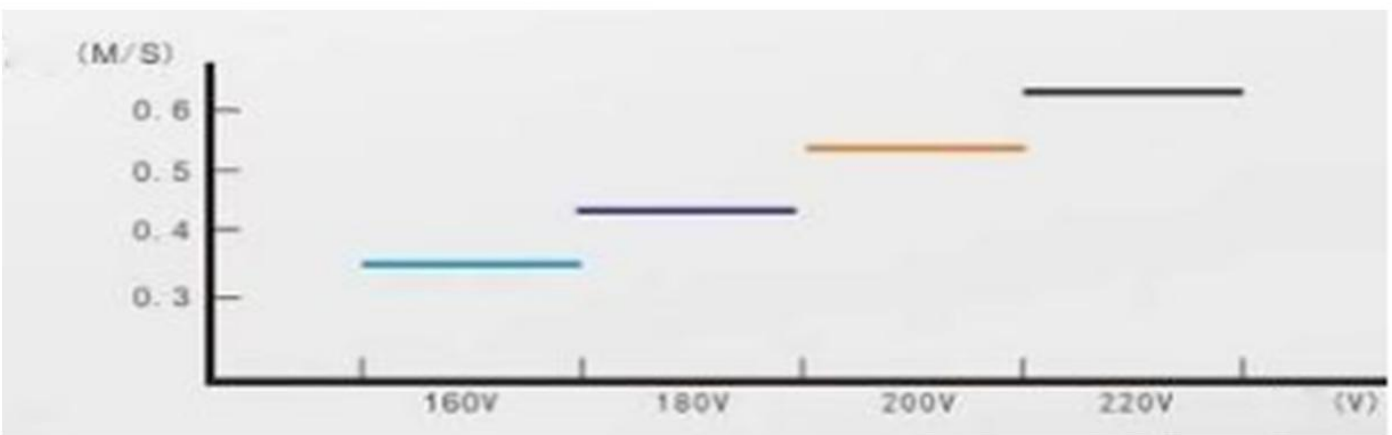
LCD Sereen Microcomputer Smart Control

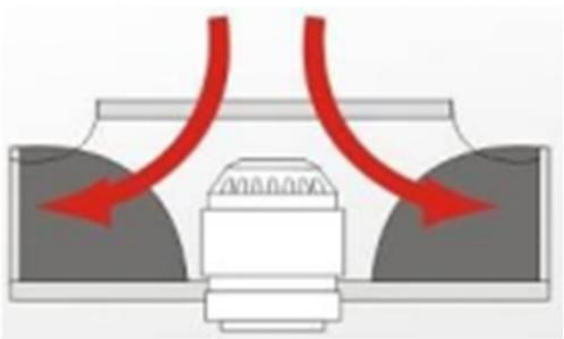
1.LCD Display: The LCD screen displays parameters such as lighting, sterilization status, airflow, and other relevant system data. It also includes a filter failure reminder (optional), alerting users when maintenance or a filter replacement is necessary.
2.User-Friendly Design: The system features a sterilization and lighting interlock function, which protects the operator from UV light exposure, ensuring safety during operation.
3.Adjustable Airspeed: The system allows multiple airflow speed settings, giving users the flexibility to adjust the airflow according to their specific needs.

CLEANFLOW Clean Airflow Technology

1.Centrifugal Fan with Low Energy Consumption Motor: The system uses a centrifugal fan driven by a \low energy consumption motor, designed based on airflow dynamics to reduce turbulence. This ensures the system operates with low noise levels. An optimized clean pressure box, combined with a mini-mesh design of the laminar airflow exhaust panel, ensures uniform and stable airflow.
2.Main Filter (Activated Carbon): The primary filter uses activated carbon, which effectively filters harmful gases and substances. The pre-filter blocks larger particles such as dust. Depending on customer requirements, a HEPA high-efficiency filter can be optionally installed to further block and filter particulate matter produced during operation, recycling clean air back into the laboratory, thus meeting laboratory air purification standards.







Ergonomie Design

1.Ergonomic Front Inclined Design: The front of the unit is designed with an overall incline, reducing noise during operation and enhancing user comfort during use.

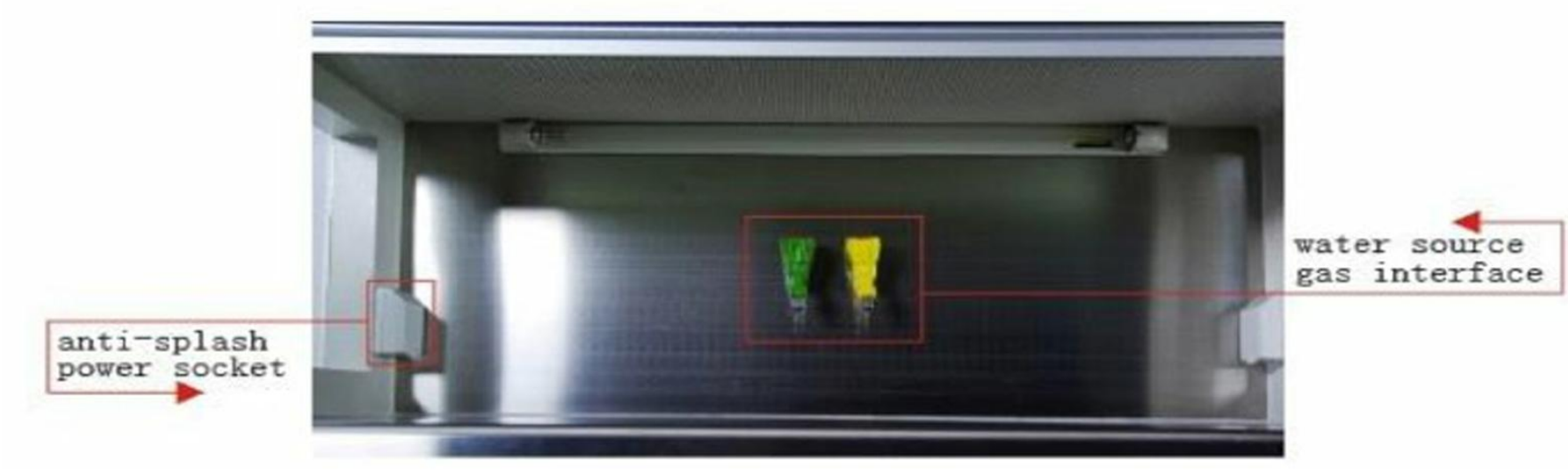
2.Standard Gas and Water Interfaces, Splash-Proof Power Outlets: The operation area is equipped with standard
gas and water source interfaces, along with splash-proof power outlets, ensuring that experiments proceed smoothly and safely.

3.Counterbalanced, Adjustable Sliding Front Door: The front door is counterbalanced and can be moved up and
down with ease, allowing for flexible positioning according to user needs.

4.Built-in Lighting System: The internal lighting system is designed to provide optimal lighting angles and brightness, reducing visual fatigue for the user.

5.Double-Layer Transparent Glass Side Windows: The sides of the unit feature double-layer glass windows that enhance light transmission and clarity. The design avoids convex surfaces, dead zones, or turbulence within the workspace, improving visibility and airflow.

6.Corrosion-Resistant SUS304 Stainless Steel Work Surface: The work surface is made from a one-piece corrosion-resistant SUS304 stainless steel plate with a curved front design, enhancing comfort during operation.



Modern Manufacturing Process

Box Body Construction: The box body components are made using **laser cutting and CNC bending** technology. The cold-rolled steel is treated with three stages of acid oxidation for rust prevention, and the surface is coated with an **electrostatic powder coating**, enhancing both aesthetics and durability.

Easy to Clean:

1.The pre-filter core and air intake mesh panel are made as a single piece, making it easier to remove and clean the pre-filter regularly.

2.The work surface is designed with a smooth, polished finish, without pits or grooves, and the sides are free of dead zones. The minimal joint design makes it easier to clean and disinfect.

Convenient Maintenance:

1.The removable and movable frame legs make it easy to transport and relocate the equipment. The height of the casters is adjustable, and they come with a braking and positioning function.

2.The front control panel has a flip-open design, allowing easy access for the maintenance and replacement of electrical components.

3.To maintain cleanroom standards, it is recommended that users follow the failure reminder displayed on the instrument (optional) or regularly clean or replace the equipment's filters.

HT Ductless Fume Hoods Main Configuration Table			
Serial Number	**Name**	**Specifications**	**Quantity**
1	Cabinet	HT	1
2	LCD Screen Intelligent Controller		1
3	Maintenance-Free Centrifugal Fan	0.25-0.4KW	1
4	Sterilization Lamp Tube	18W-30W	1
5	T5 Energy-Saving Fluorescent Tube	20W-36W	1
6	Aluminum Frame Activated Carbon Filter	Fiberglass Filter Cartridge	1
7	Pre-filter		1
8	304 Stainless Steel Work Surface	HT	1
9	Counterbalanced Front Door	HT-1200,1500,1800	1
10	Waterproof Two-Three Sockets	HT-1200,1500,1800	1
11	Fuse	10A	1
12	Power Cable with Plug, $3\times0.75mm^2$	1.8m 10A	1
13	Detachable and Assembled Stand/Legs	HT-1200,1500,1800	1
14	Swivel and Brake Casters	2.5 inches	2
15	Water Gas Interface/Ports	HT-1200,1500,1800	1

The above configuration is for reference only. The manufacturer reserves the right to change the components and their parameters at any time without prior notice

Kenton

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Manufacture of drying oven, lab incubator, climate chamber, laminar flow cabinet, biological safety cabinet(OEM,ODM)

KENTON APPARATUS LIMITED

KENTON Apparatus Limited was found in 1999, production plant was set in Guangzhou, China. It is mainly engaged in production, sales and export of laboratory thermostatic equipment and biological scientific equipment,and has provided high-quality products and services for professional laboratories and scientific research .institutions at domestics and abroad for many years.We relies on an international professional R&D team to keep the design and technology of products in step with the world and constantly seek breakthroughs.Since its establishment, the company has been focusing on thermostatic equipment products in related fields. Now it is a high-tech enterprise integrating science, industry and trade. Its business covers China, Southeast Asia, America, Europe, Australia and other countries.At the same time, based on the business philosophy of "walking with scientific researchers", and taking advantage of the company's geographical advantages, the company has carried out extensive communication and exchange with scientific researchers in different regions for many years, and carried out long-term follow-up services to users, constantly improving the function and quality of products, so that products can better meet the requirements of users.

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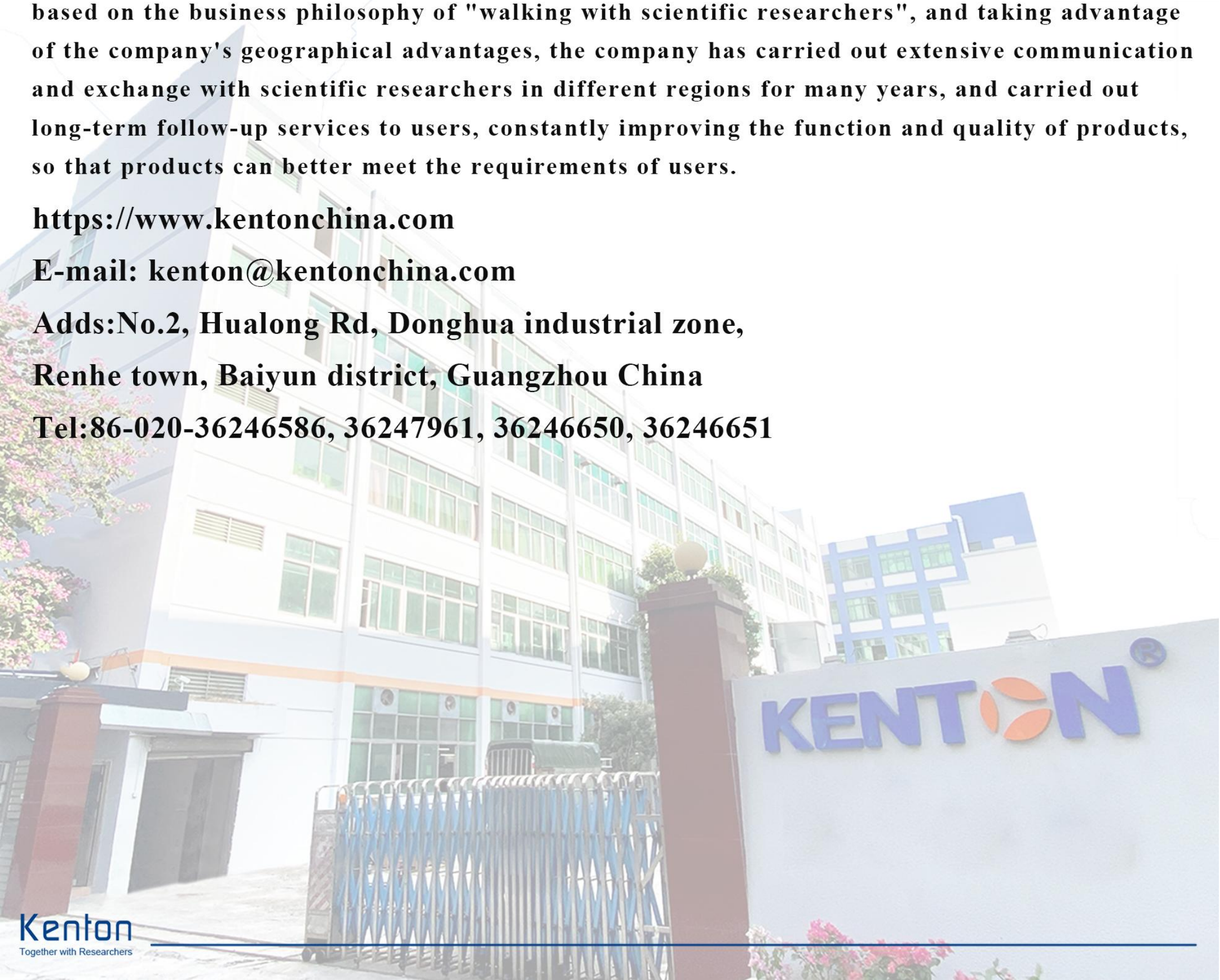

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