



KINTEK SOLUTION

Steam Sterilizer Catalog

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KINTEK SOLUTION

COMPANY PROFILE

>>> About Us

Company Profile

Kintek Solution Ltd is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vacuum creating, refrigerating, as well as pharmaceutical and petroleum extracting equipment.

Products & Services

Kintek Solution Ltd is headquartered in Zhengzhou, the capital city of Henan Province, China, and its core business includes the manufacture, distribution and sale of all types of scientific research equipment and laboratory consumables. The wide range of products and services covers the following main areas:

- **Sample Preparation Equipment:** We provide high-performance sample preparation equipment such as tablet presses, ball mills, vibrating sieves and tablet punching machines, which are capable of meeting a wide range of sample preparation needs and ensuring high quality experimental data and research results.
- **Thermal Equipment:** Our thermal equipment includes tube furnaces, sintering furnaces, vacuum furnaces, atmosphere furnaces, graphite furnaces, dental furnaces, rotary furnaces, and high-temperature furnaces (e.g., MPCVD, CVD, PECVD, electric rotary kilns). These facilities excel in high-temperature processing and materials synthesis, meeting a wide range of needs from basic research to industrial production.
- **Biochemical equipment:** We offer a wide range of biochemical laboratory equipment, including rotary evaporators, vacuum pumps, cold trap chillers,

heating circulators, reactors, short-range distillation equipment, sterilization equipment, and homogenizers. These equipments are widely used in the fields of chemical reaction, biological processing and pharmaceutical manufacturing.

- **Laboratory Consumables:** We supply a wide range of laboratory consumables such as fine ceramic products, electrochemical consumables, PTFE material products, high purity materials, battery materials, chemical vapor deposition materials, optical materials, thin film deposition components and glass materials. These consumables provide the necessary support for laboratories to ensure the smooth running of experimental processes.

Technological Advantages

Kintek Solution Ltd has significant technological strengths in the field of scientific research equipment and technical solutions, which enable us to stand out in a competitive marketplace and support our customers with cutting-edge technology. The following are our key technological strengths:

Advanced R&D capabilities

- **Technological Innovation:** Our R&D team is committed to exploring and developing the latest technologies to keep our equipment at the forefront of the industry through continuous technological innovation.
- **Customized solutions:** Based on the specific needs of our customers, we are able to develop and provide customized equipment to meet specific research requirements and application scenarios.
- **Cooperative R&D:** We cooperate with leading research institutes and higher education institutions around the world to carry out R&D projects on cutting-edge technologies to ensure that our technologies are always at the forefront of the industry.

High-performance equipment

- **Precision design:** Our equipment adopts advanced design concepts to ensure high precision, reliability and performance to meet the stringent requirements of scientific research and industrial applications.
- **Advanced materials:** We use high-quality materials and components to improve the durability and stability of our equipment, extend its service life and reduce maintenance costs.

Strict quality control

- Standardized production: All equipment is manufactured in accordance with international quality standards, and each production step is strictly controlled to ensure product consistency and reliability.
- Comprehensive testing: Comprehensive performance testing and quality inspection are carried out before the equipment is delivered to ensure that it meets the customer's technical specifications and operational requirements.

Comprehensive technical support

- Technical Service: Provide comprehensive technical support and after-sales service, including equipment installation, commissioning, training and maintenance, to ensure that customers can use our products efficiently.
- Rapid Response: We have established a rapid response mechanism, which can promptly solve the problems encountered by customers in the process of use and reduce equipment downtime.

Innovative technology integration

- System Integration: We integrate advanced control systems and automation technologies into our equipment to improve operational efficiency and data accuracy, and streamline operational processes.

Through these technological advantages, Kintek Solution Ltd is able to continue to provide our customers with innovative, efficient and reliable scientific research equipment and solutions to promote the continuous progress of scientific research and industrial applications.

Market position and customers

Kintek Solution Ltd is positioned in the market as a leading global provider of high-tech research equipment and solutions, specializing in biochemical reactions, new materials research, heat treatment, vacuum manufacturing, refrigeration, as well as pharmaceuticals and oil extraction. We are committed to brand leadership in research equipment by providing innovative technology and high quality equipment to meet the needs of research organizations and industrial companies in complex research and production processes.

Core Market Positioning:

- **Specialization:** We focus on high technology and scientific research, providing advanced equipment and solutions for specialized research institutes, laboratories and industrial applications.
- **High-end customers:** Our main customers include world-renowned universities, research institutes and various industrial enterprises, which usually have high requirements for equipment performance and technology.
- **Technological Innovation:** We are committed to technological innovation and customized solutions to ensure that our customers receive cutting-edge technical support to meet the ever-changing needs and challenges in the market.

Market Customer Groups:

- **Research Institutes and Universities:** including the world's leading research institutes and institutions of higher learning, who require high-performance research equipment and technical support for basic research, applied research and technology development.
- **Industrial companies:** covering a wide range of industries such as pharmaceuticals, oil extraction, new materials manufacturing and electronic materials production, these companies rely on reliable equipment and solutions to ensure product quality and productivity during production.
- **Laboratories and test centers:** organizations that provide laboratory services and quality testing, requiring accurate laboratory equipment and instruments for sample analysis and testing.
- **Technology Development Companies:** Companies that specialize in the development and application of new technologies and have a high demand for innovative equipment and technical solutions to support their R&D projects and technology validation.

Through clear market positioning and customer groups, we are committed to promoting scientific and technological progress, supporting the innovation and development of our global customers, and continuing to provide high-quality products and services to the market.

Team Introduction

The team at Kintek Solution Ltd is at the heart of the company's success. In order to realize our vision and maintain our leadership position in the field of high-tech research equipment, we are committed to building an exceptional team with the following attributes:

1. Professionalism

- **Technical Expertise:** Our team consists of technical experts and engineers in the field with deep expertise and technical backgrounds to meet complex technical challenges and innovation needs.
- **Industry experience:** We bring together professionals with extensive experience in the fields of research equipment, material science and engineering technology to ensure a precise grasp of market needs and technological trends.

2. Innovative Spirit

- **R&D-driven:** The team encourages innovative thinking and technological exploration, supports employees to participate in R&D projects on cutting-edge technologies, and continuously pushes forward the technological advancement of products and solutions.
- **Flexible Adaptation:** In the face of changing market environment, we have the ability to adapt quickly and flexibly to meet the changing needs of our customers.

3. Collaboration and Communication

- **Cross-sectoral collaboration:** The team maintains close collaboration between various departments, including R&D, production, sales and customer service, to ensure the smooth progress of projects and timely response to customer needs.
- **Efficient Communication:** Emphasize internal communication and information sharing, through efficient communication mechanisms and tools to ensure that all team members are consistent with the project goals and progress.

4. Customer Orientation

- **Customer Service:** Team members are customer-focused and committed to providing quality service and support to ensure that our customers have the best experience in using our products and solutions.

- Customized solutions: the ability to deeply understand the specific needs of customers and provide customized solutions to meet the special requirements of different customers.

5. Professional Training and Development

- Continuous Learning: We provide continuous training and learning opportunities for our team members to ensure that they are always up-to-date with the latest technology and industry knowledge.
- Career Development: We value the career development and growth of our employees, provide clear career paths and promotion opportunities, and motivate our employees to realize their personal goals and career aspirations within the company.

6. Corporate Culture

- Integrity and Responsibility: The team upholds integrity and responsibility, treats work and customers with honesty and fairness, and builds trust and long-term cooperative relationships.
- Unity and Collaboration: Focusing on the spirit of teamwork, the team emphasizes mutual support and joint efforts to achieve the company's goals and promote the overall success of the team.

By building such a highly qualified, innovation-driven and customer-oriented team, we ensure that Kintek Solution Ltd continues to lead in the field of scientific research equipment and provide excellent products and services to our customers worldwide.

At KINTEK, technology fuels our corporate spirit. This dynamic energy awaits you upon joining our team. Expect a distinctive cultural environment where our global business focus opens doors to diverse customs and traditions worldwide. Here, challenging roles promise to propel your career to new heights.

Our exceptional corporate culture sparks innovation, fosters care, and drives continuous progress among individuals and teams. Our team embodies youthfulness, positivity, enthusiasm, and a bold attitude toward challenges. Passionate about our business, our employees ardently contribute to the company's growth.

We seek individuals brave enough to embrace challenges, harbor grand ambitions, and thirst for knowledge. If you're driven by dreams and passion, and aspire to start your

entrepreneurial journey, KINTEK is the platform to actualize your career plans. We don't just offer opportunities; we pave the way for your future.

Join us at KINTEK, where innovation meets opportunity. Let's create a future that's as promising as your aspirations.

Future Plans

Kintek Solution Ltd's future plans are aimed at further strengthening our leadership position in the research equipment sector and driving the company forward in terms of technological innovation, market expansion and customer service. The following are our key future directions:

1. Technology Innovation and R&D

- Cutting-edge technology development: Continue to invest resources in the research and development of cutting-edge technologies, such as artificial intelligence, the Internet of Things and nanotechnology, in order to promote equipment intelligence and automation.
- New Product Lines: Expand existing product lines and develop equipment to meet emerging market needs, especially in the areas of biochemistry, biomedicine and high-performance materials.
- Cooperative R&D: Strengthen cooperation with international research institutes and institutions of higher learning to carry out joint R&D projects to ensure that the technology remains at the global leading level.

2. Market Expansion

- Global Market Expansion: Further expand the global market, especially in emerging markets and developing regions, establish more sales and service networks, and enhance the brand's international influence.
- Industry application: Explore and expand the application fields in other industries, such as new energy, environmental protection technology and intelligent manufacturing, to open up new business growth points.

3. Customer Service Enhancement

- Enhancement of customer support: Establish a more complete customer support system, provide 24/7 technical support and maintenance services, and ensure

the efficient experience of customers in the use of equipment.

- Customized services: Provide more customized services and solutions according to customers' individual needs to enhance customer satisfaction and loyalty.

4. Sustainable Development

- Environmentally friendly technology: Develop and adopt environmentally friendly materials and processes to reduce the environmental impact during the production and use of equipment and promote sustainable development.
- Energy saving and consumption reduction: Optimize the energy efficiency of equipment, reduce energy consumption, improve resource utilization efficiency, and support the development of green technology.

5. Internal optimization

- Intelligent management: Implement intelligent management systems and data analysis tools to improve productivity and management and reduce operating costs.
- Employee Training: Enhance employee training and skills upgrading to build a high-quality team to meet changing market demands and technological challenges.

6. Innovation ecosystem

- Establishment of innovation platform: Create innovation platforms and laboratories to support employees and partners in technological innovation and product development.
- Industry Chain Cooperation: Deepen cooperation with the upstream and downstream of the industry chain, integrate resources, and promote the development and implementation of industry technical standards and market norms.

Through these future plans, Kintek Solution Ltd will continue to lead the forefront of science and technology, provide customers with more advanced and reliable products and services, and at the same time, promote the sustainable development of the enterprise and the progress of the industry.



Horizontal Autoclave Steam Sterilizer

Item Number: KT-P01



Introduction

The horizontal autoclave steam sterilizer adopts the gravity displacement method to remove the cold air in the inner chamber, so that the inner steam and cold air content is less, and the sterilization is more reliable.

[Learn More](#)

Model	KT-150YDA	KT-200YDA	KT-280YDA	KT-400YDA	KT-500YDA
Sterilization chamber volume	150L φ440×1000	200L φ515×1000	280L φ600×1000	400L φ700×1100	500L φ700×1300mm
Fixed work stress	0.22Mpa				
Rated working temperature	134°C				
Sterilization temperature selection	40°C-134°C				
Timing time selection range	0-60min				
Heat uniformity of sterilization room	≤±2°C				
Power/supply voltage	9kw/380V 50Hz	9kw/380V 50Hz	12kw/380V 50Hz	18kw/380V 50Hz	18kw/380V 50Hz
Dimensions (mm)	1400×600×1300	1400×670×1650	1400×770×1780	1430×880×1830	1800×900×1820
Transport size (mm)	1560×750×1850	1560×820×1850	1680×920×2100	1600×1050×2100	1850×1050×2100
Gross weight/net weight	320/240kg	350/260kg	465/365Kg	530/420Kg	580/470Kg

Vertical Pressure Steam Sterilizer (Special For Laboratory Department)

Item Number: KT-P03



Introduction

Vertical pressure steam sterilizer is a kind of sterilization equipment with automatic control, which is composed of heating system, microcomputer control system and overheating and overpressure protection system.

[Learn More](#)

Model	KT-35HG	KT-50HG	KT-75HG	KT-100HG
Sterilization chamber volume	35L ϕ 318×450mm	50L ϕ 340×550mm	75L ϕ 400×600mm	100L ϕ 440×650mm
Fixed work stress	0.22Mpa			
Rated working temperature	134°C			
Work Pressure	0.23Mpa			
Thermal Uniformity	$\leq \pm 1^\circ\text{C}$			
Timing Selection Range	0-99min/0-99hour59min			
Temperature Selection Range	0-134°C			
Power/supply voltage	2.5KW/AC220V 50HZ	3KW/AC220V 50HZ	4.5KW/AC220V 50HZ	
Dimensions (mm)	600×410×1030	650×410×1140	690×470×1140	730×510×1270
Transport Volume (mm)	730×500×1170	730×500×1290	760×550×1290	820×600×1380
Gross weight/net weight	96Kg/77Kg	102Kg/83Kg	120Kg/98Kg	135Kg/110Kg

Uv Lamp Trolley

Item Number: KT-P05



Introduction

The UV lamp trolley is made of cold-rolled plate sprayed with plastic, and adopts a double-lamp structure; it is movable, foldable, and equipped with universal wheels, which is very convenient to use.

[Learn More](#)

Model	KT-C-I	KT-B-I	KT-C-II	KT-B-II
Voltage	AC220V 50Hz			
Input power	70VA		130VA	
Number of tubes	2x30W		4x30W	
Timing range	0-120min			
UV wavelength	253.7nm			
Irradiation intensity	$\geq 90\mu\text{ w/cm}^2$			
Lamp arm adjustment angle	$90^\circ \sim 120^\circ \sim 150^\circ$			
Outer packing size (mm)	1160x410x370			
Weight	18kg		24kg	

Pulse Vacuum Lifting Sterilizer

Item Number: KT-Q02



Introduction

The pulse vacuum lifting sterilizer is a state-of-the-art equipment for efficient and precise sterilization. It uses pulsating vacuum technology, customizable cycles, and a user-friendly design for easy operation and safety.

[Learn More](#)

Model	KT-60SV	KT-80SV	KT-100SV	KT-120SV
Effective volume of sterilization chamber	60L ϕ 396×490mm	80L ϕ 396×650mm	100L 504×404×502mm	120L 504×404×590mm
Height after lifting	1310	1590	1475	1565
Work pressure	0.22Mpa			
Operating temperature	134°C			
Thermal uniformity	$\leq \pm 1^\circ\text{C}$			
Timing selection range	0-99min			
Temperature selection range	105-134°C			
Power/supply voltage	Steam generator power: 3KW Drying belt power: 2.4KW/AC220V 50HZ		Steam generator power: 3.6KW Drying belt power: 2.4KW/AC220V 50HZ	
Dimensions (mm)	686×556×913	686×556×1035	840×600×970	840×600×1060
Transport volume (mm)	789×656×1013	786×656×1135	940×610×1000	940×610×1075
Gross weight/net weight	210Kg/180Kg	230Kg/200Kg	300Kg/270Kg	325Kg/295Kg

Pulsating Vacuum Desktop Steam Sterilizer

Item Number: KT-B01



Introduction

The pulsating vacuum desktop steam sterilizer is a compact and reliable device used for rapid sterilization of medical, pharmaceutical, and research items.

[Learn More](#)

Model	KT-XD12DV	KT-XD20DV	KT-XD24DV
Sterilization chamber volume	12L φ200×370mm	18L φ250×360mm	24L φ250×470mm
Fixed work stress	0.22Mpa		
Rated working temperature	134°C		
Sterilization temperature selection	105-134°C		
Timing time selection range	0-99min		
Heat uniformity of sterilization room	≤±1°C		
Power/supply voltage	AC220V.50Hz/1.8KW	AC220V.50Hz/2KW	AC220V.50Hz/2KW
Overall dimensions (mm)	560×470×400	560×470×400	675×470×400
Packing size (mm)	655×560×495	655×560×495	765×560×495
Gross weight/net weight	48/43Kg	52/47Kg	58/53Kg

Model	KT-35DV	KT-50DV
Sterilization chamber volume	35L φ300×500mm	50L φ340×550mm
Fixed work stress	0.22Mpa	
Rated working temperature	134°C	
Sterilization temperature selection	105-134°C	
Timing time selection range	0-99min	
Heat uniformity of sterilization room	≤±1°C	
Power/supply voltage	AC220V.50Hz/2.7KW	
Overall dimensions (mm)	550×850×500	600×850×560
Packing size (mm)	690×860×700	690×900×700
Gross weight/net weight	113/107Kg	125/110Kg

Desktop Fast Autoclave Sterilizer 16L / 24L

Item Number: KT-B02



Introduction

The desktop fast steam sterilizer is a compact and reliable device used for rapid sterilization of medical, pharmaceutical, and research items.

[Learn More](#)

Model	KT-T16J	KT-T24J
Sterilization chamber volume	16L ϕ 250×360mm	24L ϕ 270×410mm
Fixed work stress	0.22Mpa	
Rated working temperature	134°C	
Sterilization temperature selection	105-134°C	
Timing time selection range	0-99min	
Heat uniformity of sterilization room	$\leq \pm 1^\circ\text{C}$	
Power/supply voltage	AC220V.50Hz/2.7KW	
Overall dimensions (mm)	545×328×423	560×350×500
Packing size (mm)	605×390×480	620×410×570
Gross weight/net weight	17/15Kg	20/18Kg

Desktop Fast Autoclave Sterilizer 20L / 24L

Item Number: KT-B03



Introduction

The desktop fast steam sterilizer is a compact and reliable device used for rapid sterilization of medical, pharmaceutical, and research items.

[Learn More](#)

Model	KT-XD20D	KT-XD24D
Sterilization chamber volume	20L φ250×420mm	24L φ250×520mm
Fixed work stress	0.22Mpa	
Rated working temperature	134°C	
Sterilization temperature selection	105-134°C	
Timing time selection range	0-99min	
Heat uniformity of sterilization room	≤±1°C	
Power/supply voltage	1.5KW/AC220V.50Hz	
Sterilization tray (mm)	340×200×30(3piece)	400×200×30(3piece)
Overall dimensions (mm)	480×680×455	480×680×455
Packing size (mm)	580×700×500	580×800×560
Gross weight/net weight	43/40Kg	43/40Kg

Desktop Fast Autoclave Sterilizer 35L / 50L / 90L

Item Number: KT-B04



Introduction

The desktop fast steam sterilizer is a compact and reliable device used for rapid sterilization of medical, pharmaceutical, and research items. It efficiently sterilizes surgical instruments, glassware, medicines, and resistant materials, making it suitable for various applications.

[Learn More](#)

Model	KT-XD35DV	KT-XD50DV	KT-XD90DV
Sterilization chamber volume	35L ϕ 300×500mm	50L ϕ 340×550mm	90L ϕ 400×720mm
Fixed work stress	0.22Mpa		
Rated working temperature	134°C		
Sterilization temperature selection	105-134°C		
Timing time selection range	0-99min		
Heat uniformity of sterilization room	$\leq \pm 1^\circ\text{C}$		
Power/supply voltage	AC220V 50Hz/2.7KW		AC220V 50Hz/4KW
Overall dimensions (mm)	730×550×510	770×600×540	1000×690×610
Packing size (mm)	810×680×650	880×730×700	1070×740×700
Gross weight/net weight	115/93Kg	130/106Kg	200/180Kg

Electric Heating Blast Drying Oven

Item Number: KT-B05



Introduction

The desktop fast autoclave sterilizer is a compact and reliable device used for rapid sterilization of medical, pharmaceutical, and research items.

[Learn More](#)

Model	KT-9040A(S)	KT-9070A(S)	KT-9140A(S)	KT-9240A(S)	KT-9640A(S)
Voltage	AC220V 50Hz				
Temperature range	50°C-300°C				
Temperature fluctuation	±1°C				
Tracking alarm	+5°C				
Power consumption	1000W	1500W	2000W	2500W	4500W
Studio size (mm)	350x350x350	450x350x450	550x450x550	600x500x750	800x800x1000
Dimensions (mm)	500x560x705	650x560x805	750x660x905	800x710x1105	1000x1010x1355

Super Negative Oxygen Ion Generator

Item Number: KT-C03



Introduction

The super negative oxygen ion generator emits ions to purify indoor air, control viruses, and reduce PM2.5 levels below 10ug/m3. It protects against harmful aerosols entering the bloodstream through breathing.

[Learn More](#)

Portable Autoclave Sterilization Pressure (Digital Display Automatic Type)

Item Number: KT-C05



Introduction

Portable autoclave sterilization pressure is a device that uses pressure saturated steam to quickly and effectively sterilize items.

[Learn More](#)

Model	KT-18HDD	KT-24HDD
Disinfection volume	18L φ280×260mm	24L φ280×390mm
Fixed work stress	0.14-0.16Mpa	
Rated working temperature	126°C	
Maximum safety pressure	0.165Mpa	
Heat uniformity of sterilization room	≤±1°C	
Power	AC220V.50Hz/2KW	
Transport volume (mm)	420×420×630	420×450×750
Gross weight/net weight	14/12Kg	15/14Kg

Horizontal Autoclave Steam Sterilizer (Microcomputer)

Item Number: KT-C06



Introduction

The horizontal autoclave steam sterilizer adopts the method of gravity displacement to remove the cold air in the inner chamber, so that the content of steam cold air in the inner chamber is less, and the sterilization is more reliable.

[Learn More](#)

Technical data	KTM -150YDB	KTM -200YDB	KTM -280YDB
Sterilizing chamber volume	150L φ440×1000mm	200L φ515×1000mm	280L φ600×1000mm
working pressure	0.22 MPa		
working temperature	134 degree		
Adjustment of temperature	40 - 134 degree		
Time of sterilization	0-99 min		
Time of drying	0-99 min		
Heat average	≤± 2 degree		
Power	9KW/380V 50Hz	9KW/380V 50Hz	12KW/380V 50Hz
Dimension	1400×650×1600	1400×750×1700	1520×910×1900
Transport dimension	1560×820×1820	1560×910×1880	1680×1080×2100
G.W/N.W	430/340 KG	436/350 KG	570/462 KG



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