



PRODUCT OVERVIEW

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To provide useful, high-quality and reliable products to advance scientific discovery

SCIENTZ



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NINGBO SCIENTZ BIOTECHNOLOGY CO., LTD.



1989-2026

Scientz, founded in 1989 and listed on the Beijing Stock Exchange in 2022, has been a pioneer in developing, manufacturing, and marketing a broad range of innovative scientific products for life science research markets.

The headquarters of Scientz is located in Ningbo, China. We occupy more than 80,000 square meters of manufacturing facilities, including R&D and production spaces. With over 300 employees, R&D personnel account for more than 20% of our workforce.

With a focus on quality and customer service for 36 years, our products advance the discovery process and improve industry processes. Our customers include universities, research institutions, hospitals, public health organizations, and commercial laboratories in biotechnology, pharmaceuticals, IVD, food safety, material science, and other industries.

We currently offer more than 20 product lines and over 200 product models, including ultrasonic homogenizers, freeze dryers, tissue grinders, homogenizers, ultrasonic cleaners, thermostats, dispersers, life science instruments, and more, providing one-stop solutions from R&D to production.

Our products have been exported to more than 100 countries and regions, including the United States, Singapore, European countries, Vietnam, India, Russia, South Korea, etc. According to records, as of 2024, we have installed over 100,000 products worldwide, serving more than 100,000 end users.

SCIENTZ PRODUCTS

Applications in different fields



Biopharmaceutical

In the pharmaceutical field, we can provide products and solutions in multiple key links in the R&D and production processes such as drug synthesis, preparation preservation, sample processing, and consistency evaluation. For example, we can provide ultrasonic break, grinding, and high-pressure homogenizers for sample pretreatment; ultrasonic cleaning and bottle washing machines can be used for experimental cleaning. The high and low temperature integrated machine is used for drug synthesis, control and adjustment of temperature conditions during the production process. Freeze dryers are used for freeze-drying biological products to ensure the stability and activity of the products during long-term storage. Drug dissolution apparatus and transdermal diffusion apparatus can be used for drug evaluation, etc.



IVD

The rapid development of in vitro diagnostic technology has accelerated the advancement and realization of precision medicine. As a life science instrument company, we provide a variety of advanced instruments and solutions in the field of in vitro diagnostics (IVD), which can be used in respiratory sample preprocessing, microsphere preparation, liposome preparation, freeze-dried reagent storage, DNA/RNA fragmentation, nucleic acid purification, etc.



Synthetic biology

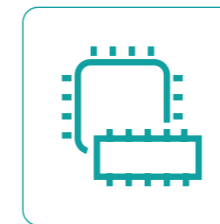
Synthetic biology artificially designs and synthesizes biomolecules, biological components and biological systems, and uses engineering methods to re-edit biological systems to design organisms with specific functions and apply them to large-scale production to solve problems in the fields of medicine, energy, materials science, environmental protection and other fields.

We provide a complete set of solutions from strain design, gene construction, high-throughput screening, fermentation optimization, sample processing to industrialization in the research and development stage.



Materials Science

Materials science is the science that studies the relationship between the composition, structure, properties, preparation and application of materials. It not only focuses on the basic properties of materials, but also studies how to optimize the properties of materials through different processing techniques and design methods to meet specific application needs.



Environmental protection

Environmental protection is a major event related to global ecological development and human health, and is in line with the development needs of green economy and low-carbon economy. Our products are widely used in the fields of environmental monitoring, pollution control, resource recovery and ecological restoration, especially soil and water quality-related testing and sample preprocessing. We provide high-throughput tissue grinders, centrifuges, and freeze dryers for soil grinding and preservation. Degasser and ultrasonic cleaning are used for solvent treatment. Microbial growth curve analyzer for assessment of microbial degradation of water contamination. Bottle washing machines and ultrasonic cleaning can also be provided for experimental cleanliness.



Food and Beverage Processing

The processing technology of food and beverages directly affects their quality, taste and nutritional value. Over the years, we have provided a wealth of solutions to our partners in food processing and preservation. We can provide freeze-drying equipment from R&D to production level for the preservation of fruits and vegetables, Chinese herbal medicines, meat, and deeply processed foods. We also provide a series of high-pressure homogenizers for deep processing of liquid foods such as beverages, and refine particles to improve the taste of drinks.

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- 51 MDS-2008 Drug Dissolution Sampling System
- 51 MDS-2014DS Dissolution Tester
- 52 MDS-2014 Drug Dissolution Sampling System
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SCIENTZ

ULTRASONICATOR AND ULTRASONIC EXTRACTION

DIGITAL ULTRASONIC HOMOGENIZER

SCIENTZ-IID



Type	JY92-IIN	JY92-IIDN
Operating Frequency	20-25kHz	20-25kHz
Sample Processing Volume	100µl-500ml (probe required)	100µl-600ml (probe required)
Optional Horns	Φ2, Φ3, Φ8, Φ10, Φ12	Φ2, Φ3, Φ8, Φ10, Φ12, Φ15
Optional Beakers	30ml, 100ml, 400ml	30ml, 100ml, 400ml
Ultrasonic Power	650W	900W
Output Power	1~100%	1~100%

Type	SCIENTZ-IID
Operating Frequency	20-25kHz
Sample Processing Volume	100µl-600ml (probe required)
Optional Horns	Φ2, Φ3, Φ8, Φ10, Φ12, Φ15
Optional Beakers	30ml, 100ml, 400ml
Ultrasonic Power	1000W
Output Power	20~100%

Type	JY98-IIDN	JY99-IIDN
Operating Frequency	19.5-20.5kHz	19.5-20.5kHz
Sample Processing Volume	50-1000ml (probe required)	50-1200ml (probe required)
Optional Horns	Φ10, Φ12, Φ15, Φ25	Φ15, Φ20, Φ28
Optional Beakers	100ml, 400ml	100ml, 400ml
Ultrasonic Power	1200W	1500W
Output Power	1~100%	1~100%

ULTRASONIC HOMOGENIZER

JY88-IIN



Other standard crushing instruments include: JY96-IIN, JY88-PRO

Type	JY88-IIN	JY88-PRO
Ultrasonic Power	250 W(1%-100%)	450 W(1%-100%)
Frequency	20-25 kHz	20-25 kHz
Display	7-inch touch screen	7-inch touch screen
Standard Probe	6mm	6mm
Optional Probe	3 mm	3 mm
Processing Volume	10-200 mL	10-200 mL
Duty Cycle	0.1-99.9%	0.1-99.9%
Temperature Alarm	0-99.9°C (prevent overheating)	0-99.9°C (prevent overheating)

INTEGRATED PROBE ULTRASONICATOR



SCIENTZ-650J



Model	SCIENTZ-650J
Frequency	20-25KHz
Display Mode	7 inch capacitive touch screen
Power	650W(1%-100%)
Probe	6 mm
Optional Probe	2mm, 3mm, 8mm, 10mm, 13mm
Sample Volume	100 µl - 250 ml
Alarm Temperature	0-99.9 °C
Dimensions	312*334*510mm
Transducer Lifting Mode	Electric, remote control lifting

SCIENTZ-650L



Model	SCIENTZ-650L
Frequency	20-25KHz
Display Mode	7-inch capacitive touch screen
Power	650W(1%-100%)
Standard Probe	6mm
Optional Probe	2mm, 3mm
Sample Volume	100µl-50ml
Alarm Temperature	0-99.9°C
Dimensions	312*334*620mm
Transformer Lifting Method	Electric, equipped with remote control lifting as standard
Interior Lighting	Yes
Refrigeration Temperature	-4 °C ~Room temperature
Adapter	Standard configuration::50mL refrigeration adapter Optional:0.2ml, 0.5ml, 2mL, 5ml, 10ml, 15ml refrigeration adapter

SCIENTZ-E SERIES SMART TYPE ULTRASONICATOR



Bioengineering



Pharmaceutical R&D



Food Engineering



Environmental Engineering

SCIENTZ-650E

Standard Type



Suitable for processing small volume samples

Power	5-650W adjustable
Frequency	20-25kHz, Automatic tracking, adaptive
Timing	1-999min
Temperature Alarm	0-99°C
Soundproof Box	automatic lifting function
Optional Probe	2, 3,10,12mm
Optional Cooling Cup	30ml, 100ml, 400ml

SCIENTZ-950E

Universal Type



Suitable for processing small volume samples

Power	5-950W adjustable
Frequency	20-25kHz, Automatic tracking, adaptive
Timing	1-999min
Temperature Alarm	0-99°C
Soundproof Box	automatic lifting function
Optional Probe	2, 3,10,12,15mm
Optional Cooling Cup	30ml, 100ml, 400ml

SCIENTZ-1200E

Pilot Type



Suitable for processing large volume samples

Power	50-1200W adjustable
Frequency	20-25kHz, Automatic tracking, adaptive
Timing	1-999min
Temperature Alarm	0-99°C
Soundproof Box	automatic lifting function
Optional Probe	15,25mm
Optional Cooling cup	100ml, 400ml

NON-CONTACT ULTRASONICATOR

SCIENTZ08-II/08-III



No-Probe, Contam-Free, Precious-Safe	
Frequency	40kHz
Power	1800W / 2200W Adjustable
Adjustable Power	1-99 per cent
Timing	1-999min Settable
Tank Volume	1.5L/3L
Temperature Display	Available
Tube Holder	1-2ml*32 holes, 5ml*20 holes, 10-15ml*17 holes (1-2ml*16 holes, 5ml*8 holes, 10-15ml*8 holes)
Power Supply	220/110V±0.5 50Hz/60Hz

SCIENTZ08-IIIC



Frequency	20KHz (±0.5KHz)
Power	1800W Adjustable
Adjustable Power	1%-100%
Timing	1-999min
Duty Cycle	0.1 -99.9 per cent
Tank Volume	900ml
Temperature Display	Available
Tube Holder	0.5ml*12 wells, 2ml*12 wells, 0.2ml*12 wells, Can be customised 5ml-50ml
Power Supply	220V±0.5 50
Matching Chiller	standard equipment

MULTIFUNCTIONAL INTEGRATED ULTRASONIC CELL DISRUPTOR



SCIENTZ-2000J



Display Mode	7-inch capacitive touch screen
Ultrasonic Frequency	20-25kHz
Ultrasonic Power	2450W (1%-100%)
Total Working Time	1-999min
Ultrasonic On Time	0.1-99.9s
Interval Time	0-99.9s
Material of Ultrasonic Horn	TC4 titanium alloy
Disruption Capacity	100ul-100ml
Alarm Temperature	0-99.9° C
Total Working Time	1-999min
Temperature Display	Yes
Matching Chiller	Standard configuration
Internal Lighting	Yes
Disinfection Function	Yes
Operating Temperature	0-55° C
Storage and Transportation Temp	-25-70° C
Relative Humidity	30%-90%, no condensation

DNU-8020



Power	50W
Total Time Of Single Work	120s (30s-600s settable)
Ultrasonic Time	1-99s
Interval Time	1-99s
Power Setting	1-100%
Number Of Samples Crushed In a Single Session	1-8 pcs
Compatible Tube Type	2ml EP, 2ml freezing tube
Operation Mode	4.3 inch touch screen
Compression Mode	Automatic electric compression

MULTI-CHANNEL ULTRASONICATOR

MULTI CHANNEL SERIES



Model	SCIENTZ-4TD	SCIENTZ-6TD	SCIENTZ-8TD	SCIENTZ-16TD	SCIENTZ-24TD	SCIENTZ-48TD	SCIENTZ-96TD
Power	2400W	2400W	2400W	2400W	2400W	2400W	2400W
Frequency	20kHz±0.5	20kHz±0.5	20kHz±0.5	20kHz±0.5	20kHz±0.5	20kHz±0.5	20kHz±0.5
Number Of Channel	4	6	8	16	24	48	96
Sample Volume	1-20ml	1-50ml	1-20ml	1-20ml	100µl-5ml	100µl-4ml	100µl-0.5ml
Adjustable Power	1-100%	1-100%	1-100%	1-100%	1-100%	1-100%	1-100%
Standard Probe	Φ6	Φ6	Φ6	Φ6	Φ3	Φ3	Φ3
Working Mode	Pulse/On						
Pulse	0.1-99.9s adjustable (gap/working)						
Temperature Sensor	Yes						
Operation Mode	Touch Control						
Display	7 displays for temperature, power and pulse mode and time						
Protection Device	Self-diagnostic function, automatic programme error correction, overload protection, over-temperature protection display						

SCIENTZ-IIDM



Model	SCIENTZ-IIDM
Microwave Power	1000W (1%-100% adjustable)
Microwave Frequency	2450MHz
Working Time	0-999S (programmable)
Light Wave	0-800W / Infrared Spectrum
UV Light	50W / 365nm
Ultrasonic Probe	Φ8mm
Ultrasonic Power/Frequency	10-1000W / 20-25KHz
Magnetic Stirring	50-300r/min
Program Control	Preset up to 200 programs; each program adjustable for time (0-999S), microwave/light wave/ultrasonic power, UV (on/off), stirring; computer storage with direct setup/modification/call
Temperature Control	Non-contact Infrared Temperature Measurement; Range: RT-300°C (±1°C)
Control System	Industrial-grade PLC Programmable Controller
Password Management	User/Admin dual-level passwords
Reaction Monitor	Integrated screen with real-time video window for sample monitoring
LED Lighting	24W / 6200K
Network Interface	RJ45
Sample Volume	Standard: 500mL, 1000mL (customizable per user requirements)
Safety Protections	Multiple safety interlock protections (magnetron temperature, door switch, etc.)
Material	Stainless steel inner chamber (durable construction)
Inner Chamber Volume	25L
Power Supply	220V±10% AC, 50Hz; Rated Power: 3000W

Ultrasonic Series
HDG
Life Sciences
Ultrasonic Cleaning
Chiller and circulator
Vacuum Freeze Drying
Drug Testing
Others

PORTABLE ULTRASONICATOR



UP-250

UP-250S

Suitable for handling small volume samples

Max Output Power	250W	250W
Frequency	19-25kHz	19-25kHz
Timing	0.1-99min	0.1-99min
Probe	3mm	3mm
Sample Volume	100ul-10ml	100ul-10ml
Power Supply	220v,50Hz	2A/12V charger (built-in 12V/10000mAH lithium battery)
Display	4.3 inch touch screen	4.3 inch touch screen

INDUSTRIAL ULTRASONICATOR

SCIENTZ-08



Ultrasonic power is large, continuous processing time is longer

Power Supply	220v,50Hz
Frequency	15kHz
Power	2400W
Duty Ratio	1%-99%
Sample Volume	1-5L/batch
Probe	38mm
Display	digital display
Pulse/On Setting	1-99s
Full Time Setting	1-99min

ULTRASONIC EXTRACTOR



SCIENTZ-5/10T

SCIENTZ-15T/30T

SCIENTZ-50T

Ultrasound Power	20-1000W(1200W)	200-1500W(1800W)	250-2400W
Reactor Volume	5L (10L)	15L(30L)	50L
Probe	Φ30mm	Φ30mm(50mm)	Φ50mm
Stirring Power	60W	90W(120W)	120W
Stiiring Speed	10-600r/min	10-600r/min	10-600r/min
Cooling Circulator	DLK-5003(DLK-5007)	DLK-5010	DLK-5010

SCIENTZ-1000C

SCIENTZ-500C



Power	1800W	Power	900W
Reactor Volume	1000ml	Reactor Volume	500ml
Probe	Φ20mm	Probe	Φ10mm
Power Adjustable Range	30-100%	Power Adjustable Range	15-100%
Frequency	20±1kHz		
Total Ultrasonic Time	1-999min		
Ultrasonic Time	1-99s		
Gap Time	1-99s		
Compressor Power	500W		
Heating Power	1000W		
Temperature Control Method	PID temperature control		
Temperature Measurement Method	Dual channel temperature measurement, monitoring reaction system and constant temperature working tank real-time temperature.		
Temperature Control Range	0-99°C		
Temperature Control Accuracy	≤ ±1°C		
Constant Temperature Volume	6L		
Abnormal Alarm Function	Yes, the equipment has fault self-diagnosis and alarm prompt function		
Operation Recording Method	The equipment has a working curve screen that records changes in parameters such as temperature during operation.		
Equipment Operation Mode	The equipment has a working curve screen that records changes in parameters such as temperature during operation.		
USB	Curves and other information can be saved to the USB drive in the form of pictures		
Telecommunication	Optional for users who need it (including computer software)		
Reactor Flask	Four-mouth bottle or five-mouth bottle.		

ULTRASONIC TWO-DIMENSIONAL MATERIAL STRIPPER

SCIENTZ-CHF



The unique ultrasonic stirring function of the ultrasonic two-dimensional material stripper can Perform a more perfect peeling process without damaging the crystal form and lattice.

SCIENTZ-CHF-5A	Power 360W(adjustable 40-99%)
SCIENTZ-CHF-5B	Power 720W(adjustable 40-99%)
Tank Volume	5L
Reactor Shape	Hexagonal type
Frequency	40kHz
Timing	1-999min
Stirring Speed	50-1500r/min

Ultrasonic Series
HDG
Life Sciences
Ultrasonic Cleaning
Chiller and circulator
Vacuum Freeze Drying
Drug Testing
Others

INDUSTRIAL ULTRASONIC GRAPHENE TREATMENT SYSTEM

CSCB-2GL

The ultrasonic graphene processing equipment from Scientz utilizes advanced automated control technology. Core components such as the ultrasonic generator and transducer are modularly assembled, making it a specialized device designed for the graphene preparation process.



Product Parameters

Single Processing Capacity (L)	10L--50L(MAX)
Material Properties	Liquid, aqueous or organic solution, concentration less than 20%
Cooling Mixing Tank Volume	50L
Overall Dimensions	Length 1230mm, width 600mm, height 1550mm
Power Supply	AC220V/50Hz
Total Power	3000W
Working Time Setting	1-99min

CONTINUOUS FLOW ULTRASONICATOR



CFU SERIES

Model	CFU-750W-M1	CFU-750W-M2
Product Name	Focused Continuous Flow Ultrasonic Cell Disruptor	Distributed Continuous Flow Ultrasonic Cell Disruptor
Ultrasonic Frequency	20kHz ± 1kHz	20kHz ± 1kHz
Ultrasonic Type	Focused Ultrasonic	Distributed Ultrasonic
Probe Diameter	20mm	20mm
Power	750W	750W
Ultrasonic Reactor Material	SUS316	SUS316
Ultrasonic Reactor Volume	150ml	200ml
Ultrasonic Power Setting	1%-100%	1%-100%
Ultrasonic Pulse Setting	0-99s	0-99s
Ultrasonic Working Time Setting	1-99s	1-99s
Ultrasonic Total Time Setting	1-999min	1-999min
Ultrasonic Processing Capacity	5~50L/h	5~100L/h
Operation Mode	10-inch Touch Screen	10-inch Touch Screen
Communication Interface	RJ45 Ethernet	RJ45 Ethernet
Permission Management	Three-level Permission Management	Three-level Permission Management
Data Logging Function	Built-in storage function, capable of saving operation records	Built-in storage function, capable of saving operation records
Operation Data Export Function	Data can be exported via USB port	Data can be exported via USB port
UPS (Uninterruptible Power Supply)	Optional	Optional
Time Synchronization	Can be synchronized via network	Can be synchronized via network
Number Of Users	Multiple user roles can be set	Multiple user roles can be set
Ultrasonic Reactor Temperature Control	-30°C - 100°C	-30°C - 100°C
Compatible Thermostat Bath Model	DC-3006	DC-3006



SCIENTZ HOMOGENIZATION, DISPERSION AND GRINDING

HIGH SPEED DISPERSER

XHF-DY



Voltage	220V
Power	360W
Speed Range	2800-28000r/min
Processing Capacity	3ml-2000ml
Time Setting	1-9.9min
Ambient Temperature	-10°C -40°C
Compatible Tools	Φ18mm, processing capacity 50 - 1000ml Optional: Φ10mm, processing capacity 3 - 200ml; Φ14mm, processing capacity 50 - 500ml; Φ25mm, processing capacity 100 - 2000ml

PORTABLE HIGH SPEED DISPERSER

S10



Power	160W
Power Supply	220V 50/60Hz
Speed Range	8000-35000r/min
Processing Capacity	1ml-120ml
Speed Setting	28 - step speed regulation
Compatible Tools	Φ10mm, processing capacity 30-120ml Optional: Φ8mm, processing capacity 2- 50ml; Φ6mm, processing capacity 1 - 20ml;

HIGH THROUGHPUT TISSUE GRINDER

SCIENTZ-12



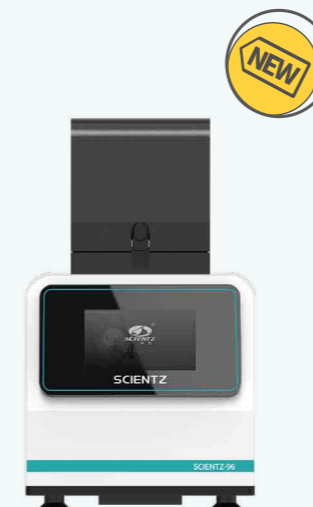
Power Supply	220V/50Hz
Rated Power	100W
Time Setting	1-9999s
Speed / Frequency Setting	300-2100 rpm (10-70Hz)
Data Storage	Can store 50 sets of data
Fixture Travel	40mm (vertical)
Sample Capacity	Standard: 2ml adapter with 12 holes; Optional: 5ml adapter with 6 holes ; Optional: 5/10/15/25ml grinding jars; Optional: Cryogenic adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: φ3mm stainless steel balls (1000 pcs) ;Optional: φ6mm stainless steel balls (1000 pcs) or zirconium oxide balls
Display Mode	4.3-inch TFT touchscreen
Protection	Lid-open protection, emergency stop function
Overall Dimensions	L225*W275*H390mm
Weight	≤ 12KG

SCIENTZ-24



Power Supply	220v/50Hz
Rated Power	80W
Time Setting	1-9999s
Speed / Frequency Setting	300-2100 rpm (10-70Hz)
Data Storage	Can store 50 sets of data
Fixture Travel	34mm (vertical)
Sample Capacity	Standard: 2ml adapter with 48 holes; 5ml adapter with 12 holes Optional: 5ml adapter with 24 holes; 2ml adapter with 24 holes Optional: 5/10/15/25/50/100ml grinding jars; Optional: Cryogenic adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pcs) ; Optional: ϕ 6mm stainless steel balls (1000 pcs) or zirconium oxide balls
Display Mode	4.3-inch TFT touchscreen
Protection	Lid-open protection, emergency stop function
Overall Dimensions	L360*W320*H500mm
Weight	≤ 29KG

SCIENTZ-96



Power Supply	220V/50Hz
Rated Power	375W
Time Setting	1-9999s
Speed / Frequency Setting	300-2100 rpm (10-70Hz)
Data Storage	Can store 50 sets of data
Fixture Travel	34mm (vertical)
Sample Capacity	96-Well Deep Well Plate Adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pcs) Optional: ϕ 6mm stainless steel balls (1000 pcs) or zirconium oxide balls
Display Mode	7-inch TFT touchscreen
Protection	Lid-open protection, emergency stop function
Overall Dimensions	L360*W320*H550mm
Weight	≤ 35KG

SCIENTZ-48



Power Supply	220V/50Hz
Rated Power	80W
Time Setting	1-9999s
Speed / Frequency Setting	300-2100 rpm (10-70Hz)
Data Storage	Can store 50 sets of data
Fixture Travel	34mm (vertical)
Sample Capacity	Standard: 2ml adapter with 48 holes; 5ml adapter with 12 holes Optional: 5ml adapter with 24 holes; 2ml adapter with 24 holes Optional: 5/10/15/25/50/100ml grinding jars; Optional: Cryogenic adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pcs) ; Optional: ϕ 6mm stainless steel balls (1000 pcs) or zirconium oxide balls
Display Mode	7-inch TFT touchscreen
Protection	Lid-open protection, emergency stop function
Overall Dimensions	L360*W320*H500mm
Weight	≤ 29KG

SCIENTZ-192



Rated Power	375W
Time Setting	1-35999s, customizable setting
Speed / Frequency	270-2000 rpm (5-35Hz)
Setting	30mm (vertical)
Fixture Travel	Standard: 1ml-2ml 2*48 holes
Sample Capacity	Optional: 0.2ml-0.5ml 2*96 holes; 5ml 2*24 holes; Optional: 10/15/25/50/100ml grinding jars; Optional: Cryogenic adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pcs); Optional: ϕ 6mm stainless steel balls (1000 pcs) or zirconium oxide balls
Display Mode	Button digital display
Overall Dimensions	L514*W380*H520mm

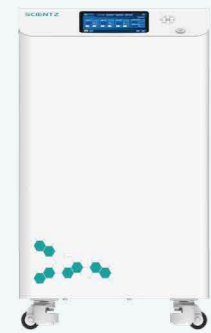
SCIENTZ-64



Power Supply	220V/50Hz
Rated Power	375W
Time Setting	1-9999s
Speed / Frequency Setting	300-2100 rpm (10-70Hz)
Data Storage	Can store 50 sets of data
Fixture Travel	34mm (vertical)
Sample Capacity	96-Well Deep Well Plate Adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pcs); Optional: ϕ 6mm stainless steel balls (1000 pcs) or zirconium oxide balls
Display Mode	7-inch TFT touchscreen
Protection	Lid-open protection, emergency stop function
Overall Dimensions	L360*W320*H550mm
Weight	≤ 35KG

FREEZING HIGH-THROUGHPUT TISSUE GRINDER

SCIENTZ-24L



Rated Power	375W
Time Setting	1~9999 seconds
Speed / Frequency Setting	600~2100 RPM (20-70Hz)
Data Storage	Can store 16 sets of data
Fixture Travel	34mm (vertical)
Sample Capacity	Standard: Aluminum alloy adapter for 5ml 12-well, 2ml 24-well; Optional: 5/10/15/25/50/100ml grinding jars, Freezing adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pieces) and ϕ 6mm stainless steel balls (1000 pieces)
Display Mode	7-inch TFT touch screen
Refrigeration Temperature Range	-30°C to -25°C
Voice Prompt Function	No
Post-Grinding Insulation Function	Yes
Dimensions	L465*W520*H840mm

SCIENTZ-48L



Rated Power	375W
Time Setting	1~9999 seconds
Speed / Frequency Setting	600~2100 RPM (20-70Hz)
Data Storage	Can store 48 sets of data
Fixture Travel	34mm (vertical)
Sample Capacity	Standard: Aluminum alloy adapter for 5ml 12-well, 2ml 24-well; Optional: Aluminum alloy adapter for 2ml 24-well, 5/10/15/25/50/100ml grinding jars, Freezing adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pieces) and ϕ 6mm stainless steel balls (1000 pieces)
Display Mode	7-inch TFT touch screen
Refrigeration Temperature Range	-30°C to -25°C
Voice Prompt Function	No
Post-Grinding Insulation Function	Yes
Dimensions	L465*W520*H840mm

SCIENTZ-48LT



Rated Power	375W
Time Setting	1~9999 seconds
Speed / Frequency Setting	600~2100 RPM (20-70Hz)
Data Storage	Can store 48 sets of data
Fixture Travel	34mm (vertical)
Sample Capacity	Standard: Aluminum alloy adapter for 5ml 12-well, 2ml 24-well; Optional: Aluminum alloy adapter for 2ml 24-well, 5/10/15/25/50/100ml grinding jars, Freezing adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pieces) and ϕ 6mm stainless steel balls (1000 pieces)
Display Mode	7-inch TFT touch screen
Refrigeration Temperature Range	-30°C to -25°C
Voice Prompt Function	Yes
Post-Grinding Insulation Function	Yes
Dimensions	L465*W520*H840mm, can be placed on a desktop.

SCIENTZ-96L



Rated Power	375W
Time Setting	1~9999 seconds
Speed / Frequency Setting	600~2100 RPM (20-70Hz)
Data Storage	Can store 48 sets of data
Fixture Travel	34mm (vertical)
Sample Capacity	Standard: Aluminum alloy adapter for 5ml 12-well, 2ml 96-well; Optional: Aluminum alloy adapter for 2ml 48well, 5/10/15/25/50/100ml grinding jars, Freezing adapter, deep-well adapter
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pieces) and ϕ 6mm stainless steel balls (1000 pieces)
Display Mode	7-inch TFT touch screen
Refrigeration Temperature Range	-30°C to -25°C
Voice Prompt Function	Yes
Post-Grinding Insulation Function	Yes
Dimensions	L505*W550*H840mm

CENTRIFUGAL & FREEZE TISSUE GRINDER

CL-A026L



Rated Power	700W
Time Setting	1~9999 seconds
Grinding Speed / Frequency Setting	600~4200 RPM (10-70Hz)
Centrifugal Speed Setting	0~6000 RPM
Refrigeration Temperature Range	-50° C to room temperature (25° C)
Grinding Method	3D Grinding
Sample Capacity	Standard: 2ml adapter with 26 wells ; Optional: 5ml adapter with 24 wells
Grinding Method	Wet grinding, dry grinding, pre-freeze grinding
Grinding Beads	Standard: ϕ 3mm stainless steel balls (1000 pieces) and ϕ 6mm stainless steel balls (1000 pieces); optional zirconium oxide balls
Display Type	7-inch IPS capacitive touch screen
Protection	Lid opening protection, emergency stop function
Dimensions	Dimensions: L500*W550*H820mm
Freezing Function Availability	Yes
Weight	≤ 100KG

LAB ULTRA HIGH PRESSURE HOMOGENIZER

SCIENTZ-207B



Model	SCIENTZ-207B
Maximum Design Pressure	2070bar/207MPa/30015psi
Maximum Working Pressure	1800bar/180MPa/26100psi
Maximum Sample Processing Capacity	15L/h
Minimum Sample Processing Capacity	15ml
Material Residual Volume	0ml
Motor Power	3.0kW/220V/50Hz
Maximum Feed Particle Size	<500µm
Flow Control	Freely Adjustable Flow Rate
Screen and Display	10-inch Industrial-grade Touch Screen; Integrated Pressure and Temperature Digital Display + Real-time Pressure Curve
Data Export	USB
Instrument Net Weight	91kg
Dimensions (L*W*H)	940*320*540mm

STOMACHER (PADDLE HOMOGENIZER)



	SCIENTZ-04	SCIENTZ-09	SCIENTZ-11
Timing	30s、180s、600s 或 ∞	0-8 hour	0-8 hour
Blending Speed	6-9 times/second	3-12 times/second	3-12 times/second
Effective Volume	3-400ML	3-400ML	3-400ML
Maximum Power	150W	150W	300W
UV Sterilization	No	No	Yes
Temperature Control	No	No	room temperature -50°C
Storage Parameters	No	10 sets	10 sets
Leakage Protection	Yes	Yes	Yes

LAB HIGH PRESSURE HOMOGENIZER

SCIENTZ-150/150A



Model	SCIENTZ-150(150PS)	SCIENTZ-150(150APS)
Flow Rate	6-12 L/H	12-15 L/H
Maximum Working Pressure	1500bar	1500bar
Maximum Product Viscosity	2000cP	2000cP
Motor Power	1.5 KW	3.0KW
Overall Dimensions	L800*W460*H450mm	L840*W620*H540mm
Maximum Product Temperature	90°C	90°C
Maximum Steam Temperature	121°C	121°C
Maximum Feed Particle Size	<500 µm	<500 µm

AUTOMATIC HIGH SPEED DISPERSER(HOMOGENIZER)

SCIENTZ-32



Power	<1000W
Sample Processing Capacity	10 ~ 200ml
Maximum Throughput	32 samples
Maximum Processing Viscosity	5000mPa · s
Homogenization Speed	3000 ~ 36000rpm (adjustable)
Speed Deviation	1% deviation
Three Cleaning Methods	Organic solvent; Water; Ultrasonic cleaning spray
Standard Sample Holder Specifications	10ml, 32 wells; 50ml, 16 wells; 100ml, 10 wells
Optional Sample Holder Specifications	30ml, 16 wells; 150ml, 10 wells; 200ml, 8 wells
Optional Holder	Compatible with various test tube and centrifuge tube holders
Blade Head Specifications	10x195mm, 19x195mm flat-bottom mechanical blade heads

PILOT HIGH PRESSURE HOMOGENIZER



Model	PHA-060I	PHA-100I	PHA-200I	PHA-300I	PHA-400I	PHA-500I
Processing Capacity (L/H)	60	100	200	300	400	500
Number of Plungers	2	3	3	3	3	3
Motor Power	7.5kw	15kw	15kw	15kw	37kw	37kw
Maximum Working Pressure	1500 bar					
Frequency Conversion Flow Control System	Frequency Converter for Flow Rate Adjustment					
Pressure Gauge	High-Precision Pressure Sensor + Display Panel or Sanitary Diaphragm Digital Pressure Gauge					
Homogenization Grade	Grade One					
Residue	Zero Residue					
Pressure Adjustment Method	Manual Pressure Adjustment / Pneumatic Pressure Adjustment					
Cooling Method	Plunger Cooling					

SCIENTZ-60



Sample Process Capability	60 samples/batch (10/15ml round-bottom centrifuge tubes) (optional) 44 samples/batch (50ml conical centrifuge tubes) (standard) 32 samples/batch (100ml round-bottom graduated centrifuge tubes) (optional) 24 samples/batch (200/250ml plastic centrifuge bottles) (optional)
Liquid Addition Method	Peristaltic pump for liquid addition
Liquid Discharge Method	Electric ball valve for liquid discharge
Peristaltic Pump Flow Rate	1.7L/min
Tools Parameters	10×195mm or 19×195mm
Speed Range	10000-36000r/min
Display Type	7-inch industrial-grade touch screen + PLC
Power	300W

SCIENTZ-DY200



Homogenization Speed	5-1500RPM
Homogenization Cup Material	PTFE
Homogenization Cup Volume	Standard: 100ml; Optional: 50ml, 150ml
Lifting Stroke	200mm
Maximum Torque	45kg/cm
Lifting Speed	0-500mm/min
Control Method	Industrial-grade touch screen + PLC
Lighting Function	Yes
Dimensions	300*500*820mm
Power	280W
Features	can storage 50 sets programs;

SCIENTZ

LIFE SCIENCES

HIGH PRESSURE GENE GUN

GJ-1000



Target Area	Maximum to 40cm ²
Pressure Range	3-12MPa
Sample Type	Animals: Cell and Organ Culture; Plants: Smaller Whole Plants, Cultured Cells, Explants; Yeast, Bacteria, Other Microbial Cells, Chloroplasts, Mitochondria
Power Supply	220V/50Hz
Gas Source	Helium or Nitrogen, Helium is better
Mental Particle Size	Φ0.8-1.5μm、Φ1.5-Φ3.0μm

Accessories: Main Unit, Vacuum Pump, 1000 Nozzle Consumables (3.5/4.5/7MPa Burst Membrane, Carrier Membrane, Stainless Steel Mesh, 2 Bottles of Gold Powder, 1 Bottle of Tungsten Powder)



Vacuum Pump



Consumables

ULTRASONIC DISPERSER



SCIENTZ-750F SCIENTZ-1500F SCIENTZ-2400F SCIENTZ-3000F

Ultrasonic Frequency	20.0KHz±0.5KHz	20.0KHz±0.5KHz	20.0KHz±0.5KHz	20.0KHz±0.5KHz
Power	750W (20%-99%)	1500W (20%-99%)	2400W (20%-99%)	3000W (20%-100%)
Timer Function	1-999min	1-999min	1-999min	1-99min
Random Dispersion Head	10mm	18mm	25mm	38mm
Dispersion Capacity	10-700ml	100-1500ml	500-2000ml	1000-5000ml
Duty Cycle	0.1-99.9%	0.1-99.9%	0.1-99.9%	can work continuously or intermittently

PORTABLE GENE GUN

SJ-500



Experimental Conditions	Insitu; Invivo; Invitro
Target Area	2cm ²
Operating Pressure Range	0.5-5MPa
Target Type	Animal Cells、 Plant cells、 Living Plant Leaves、 Muscle、 Living Organ
Power Supply	9V Battery, Capable of Shooting 1000 Times
Gas Source	Helium or Nitrogen, Helium is better
Metal Particles	Φ0.8-1.5μm、 Φ1.5-Φ3.0μm



Nylon Tube



Magazine



Cutting Machine

Ultrasonic Series
HDG
Life Sciences
Ultrasonic Cleaning
Chiller and circulator
Vacuum Freeze Drying
Drug Testing
Others

ELECTROPORATOR

SCIENTZ-2CS



Pulse Form	Exponential Wave
High Voltage Output Voltage	401-3000V
Low Voltage Output Voltage	50-400V
High Voltage Capacitance	10μF, 25μF, 35μF, 50μF, 60μF
Low Voltage Capacitance	50μF, 100μF, 125μF, 150μF...1560μF in 25μF Steps
Parallel Resistance	50Ω, 100Ω, 150Ω...1650Ω in 50Ω Steps
Operating System	Microcomputer Control
Time Constant	Adjustable with RC Time Constant

GP-3000



Control Mode	Microcomputer Control
Time Constant	Adjustable with RC Time Constant
Low Voltage Capacitance	25μF-1575μF in 1μF Steps (Recommended in 25μF Steps)
High Voltage Capacitance	10-60μF in 1μF Steps (Recommended 10μF, 25μF, 35μF, 50μF, 60μF)
Discharge And Interval Time	0.1ms-999ms, Increment 0.1ms
Pulse Form	Exponential and square wave
High Voltage Output Voltage	401-3000V
Low Voltage Output Voltage	50-400V
Power Supply Voltage	100-240VAC 50/60HZ
Number Of Continuous Discharges	1~9

HYBRIDIZATION OVEN

The LF series molecular hybridization furnace adopts modular design, with a simple structure and practical reliability. The entire process of baking, pre hybridization, hybridization, and membrane washing in nucleic acid hybridization can be temperature controlled automatically, which can be effectively applied to the research of nucleic acid hybridization technology.

LF-IA



Temperature Control Range	Room Temperature +8°C to 100°C
Temperature Control Accuracy	±0.5°C
Temperature Display Resolution	0.1°C
Temperature Equilibration Time	<20min
Rotation Speed	0-30 RPM
Vibration Intensity	/
Continuous Operating Time	1-1440min (24 hours)
Hybrid Tube Specifications	Standard: 2 pieces φ35×240mm; Optional: Domestic φ35×150mm and φ35×300mm

LF-III A



Temperature Control Range	Room Temperature +8°C to 100°C
Temperature Control Accuracy	±0.5°C
Temperature Display Resolution	0.1°C
Temperature Equilibration Time	<20min
Rotation Speed	0-30 RPM
Vibration Intensity	1-10 steps adjustable
Continuous Operating Time	1-1440min (24 hours)
Hybrid Tube Specifications	Standard: 2 pieces φ35×240mm; Optional: Domestic φ35×150mm and φ35×300mm

MICROBIAL TURBIDIMETER



SCIENTZ-CFS



Total Number of Ultrasounds	0 to 99 times can be set
Ultrasonic Working Time	0 to 99 seconds can be set
Ultrasonic Intermittent Time	0 to 99 seconds can be set
McFarland Turbidity Display Accuracy	0.01 MCF
McElliott Turbidity Measurement Range	0.000~6.000 MCF
McElliott Turbidity Detection linear Range	0.200~4.000 MCF
McElliott Turbidity Calibration	Multi-point calibration, up to 6 points
Sample Tube Capacity	1.5 to 4 ml, with a step size of 0.01 ml

CROSSLINKER UV (PRO)

SCIENTZ03 PRO



UV Wavelength	254nm (Additional 365nm, 312nm Lamps Available per User Request)
Irradiation Time Measurement Range	0-999.9min
UV Radiation Energy	Up to 5mW/cm ²
UV Light Source	6 pieces of 8W Lamps
UV Exposure Energy / UV Exposure Time	50 Exposure Energy and 50 Exposure Time Settings, Can Be Saved
Exposure Energy Measurement Range	0-99.99J/cm ²
Exposure Time Measurement Range	0-999.9min
Blue Light Adhesive Cutting Function Module	Adhesive Cutting Area 180mm x 140mm; Blue Light Wavelength 470nm; Blue Light LED Lifespan 60,000 h; Blue Light LED Irradiation Method: One- Sided Side Illumination

ULTRASONIC DNA DISRUPTOR

SCIENTZ18-A



Power	300W (40-100%)
Ultrasonic Time	1-999s
Number of Cycles	1-999 Cycles
Sample Capacity	Standard: 0.2ml, 18 wells, 5µl-10µl; 0.5ml,
And Specifications	12 wells, 30µl-150µl; Optional: 1.5ml-2ml, 8 wells, 100µl-800µl; 5ml, 8 wells, 500µl-2ml
DNA Processing Range	100-1000bp
Intelligent Storage	20 sets



NON CONTACT ULTRASONIC DNA DISRUPTOR

SCIENTZ08-IIIA/IIIB



Model	SCIENTZ08-IIIA	SCIENTZ08-IIIB
Frequency	20-400kHz adaptive frequency	40-100kHz adaptive frequency
Power	2500W (0-100% adjustable)	2500W (0-100% adjustable)
Total Ultrasonic Time	0.1s - 199h 59m 59.9s, adjustable	0.1s - 199h 59m 59.9s, adjustable
Ultrasonic Tank Volume	2.3L	2.3L
Sample Processing Capacity	Max. 60 samples of 0.1ml each	Max. 60 samples of 0.1ml each
Operating Voltage / Frequency	220V / 50Hz	220V / 50Hz
Cooling System	Equipped with independent t hermostatic bath as standard	Equipped with independent thermostatic bath as standard
Temperature Control Range	2-40°C	2-40°C
Temperature Display Accuracy	0.1°C	0.1°C



NON-CONTACT ULTRASONIC DNA INTERRUPTER

SCIENTZ08-IIID



Sample Tube Size	0.1ml - 15ml
Display Method	4.3-inch medical-grade resistive touch screen
Working Mode	Intermittent / Continuous mode
Power Adjustable	1 - 100%
Total Ultrasonic Time	0.1s - 9999min, adjustable
Working Time	0.1s - 99.9s, adjustable
Intermittent Time	0.1s - 99.9s, adjustable (set to 0 for continuous mode)
Cooling System	Portable thermostatic bath (compressor refrigeration)
Temperature Control Range	2 - 40°C

MICROBIAL GROWTH CURVE ANALYZER

TGC-100



Detection Wavelength	660nm (equivalent to OD 600)
Light Source	Laser Diode
Light Source Lifetime	30,000 hours
Absorbance Range	Standard: 0-20 OD LC Version: 0-10 OD
Culture Vessel Type	18×150mm Round-bottom Test Tube
Culture Volume	5-20ml
Shaking Mode	Circular Oscillation
Shaking Speed	50-700rpm / Static Culture
Culture Temperature	Standard: 4°C -60°C (@25°C) LC Version: 35°C -60°C (@25°C)
Remote Monitoring Function	Optional (RA Version)

MICRO-ORGANISM GROWTH CURVE MONITORING SYSTEM

MGC-200



Detection Wavelength	300-850nm
Light Source	Xenon Lamp
Absorbance Range	Maximum Value: 8.0 OD
Microplate Type	96/48/24/12 Well Plates
Maximum Culture Medium Volume	2.5mL
Number Of Channels	2 Plate Positions, Up to 192 Channels
Cultivation Temperature	15~60° C (Room Temperature 25° C)
Temperature Control Accuracy	±0.1° C
Shaking Method And Amplitude	Circular Shaking, 3mm
Shaking Speed	200-1250rpm / Static Cultivation
Inlet	No
Gas Environment Monitoring	No
Lighting Function	Optional
Maximum Operating Duration	1,600 hours

MGC-500



Detection Wavelength	300-850nm
Light Source	Xenon Lamp
Absorbance Range	Maximum Value: 8.0 OD
Microplate Type	96/48/24/12 Well Plates
Maximum Culture Medium Volume	2.5mL
Number Of Channels	2 Plate Positions, Up to 192 Channels
Cultivation Temperature	15-60° C (Room Temperature 25° C)
Temperature Control Accuracy	15-45° C (With Gas Concentration Control)
Shaking Method And Amplitude	±0.1° C
Shaking Speed	Circular Shaking, 3mm; 200-1250rpm / Static Cultivation
Inlet	4 units
Gas Environment Monitoring	O ₂ (0.5-20%); CO ₂ (1-20%); can control both O ₂ and CO ₂ concentration; Capable of Achieving Anaerobic Environment
Lighting Function	Optional
Maximum Operating Duration	1,600 hours

SPRAY DRYER



FY-Spray Mini



Maximum Moisture Evaporation Capacity	1800mL/h(water)
Feed Rate	0-72ml/min
Inlet Air Temperature	30~250°C ±1°C
Outlet Air Temperature	30~150°C ±1°C
Average Drying Time	1.0~1.5 sec
Spray System	0.7mm Dual-Fluid Nozzle
Dimensions (H×W×D)	922mm*570mm*470mm
Total Machine Weight	58kg

MULTI-PARALLEL BIOREACTOR



MPB1-500



Bioreactor Volumm	500mL
Temperature Control	4~60°C ±0.2°C
Agitation	Upper stirring, 0-2000rpm, with DO linkage function
PH Control	2-14
Dissolved Oxygen (DO) Control	0-300%
Feed Supplement rate	Pump Flow Rate: 0~300 mL/h, ±5% or
Aeration Function	0~2L/min, ±0.01L/min
Video Monitoring System	4-megapixel HD Camera

SCIENTZ ULTRASONIC CLEANING DIGITAL ULTRASONIC CLEANER

D SERIES



Model	SB-50, SB-80, SB-100D SB-120D, SB-120D, SB-3200D SB-5200D, SB-5200D, SB-4200D SB25-12D, SB25-12D, SB-800D
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Capacity	0.8-30L
Frequency	40KHz
Ultrasonic Power	50-840W
Adjustable Time	1-120min, 1-600min, 1-999min
Drainag Capability	Functions Above SB-5200D

SILENT ULTRASONIC CLEANER



DTD/DTS/DTY



Type	SB-4010DTD, SB-4015DTD SB-4022DTD, SB-4030DTD SB-2F10DTS, SB-2F15DTS SB-2F22DTS, SB-2F30DTS SB-4F10DTY, SB-4F15DTY SB-4F22DTY, SB-4F30DTY
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Capacity	10 - 30 L
Frequency	DTD Series: 40 kHz DTS Series: 40 / 80 kHz DTY Series: 40 / 65 / 75k / 80 kHz
Ultrasonic Power Adjustable Range	0% - 100%
Heating Power	500 - 800 W
Drainage Function	Yes

HEATED ULTRASONIC CLEANER

DT SERIES



Model	SB-100DT, SB-120DT, SB-120DT SB-3200DT, SB-5200DT, SB-5200DT SB-4200DT, SB25-12DT, SB25-12DT SB-800DT, SB-1000DT, SB-1200DT SB-1500DT, SB-1800DT, SB-2000DT SB-3600DT, SB-6000DT, SB-8000DT
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Capacity	4.5-410L
Frequency	40KHz, 28KHz
Ultrasonic Power	100-8000W
Heating Power	200-12000W
Adjustable Time	1-99min, 1-999min
Drainag Capability	Functions Above SB-5200DT

ADJUSTABLE HEATED ULTRASONIC CLEANER

DTD SERIES



Working parameters feature a power-off memory function, equipped with a dedicated stainless steel mesh basket and a drop cover; the ultrasonic output employs a self-excited mode, resulting in low working noise and stable frequency.

Model	SB-3200DTD、SB-5200DTD SB-5200DTD、SB-4200DTD SB25-12DTD、SB25-12DTD SB-800DTD	Capacity	6-30L
		Frequency	40KHz
		Ultrasonic Power Range	180-840W (40%-100%)
		Heating Power	300-800W
		Drainag Capability	Functions Above SB-5200DTD

THERMOSTAT ULTRASONIC CLEANER

SBL SERIES



Model
SBL-10DT、SBL-15DT、SBL-22DT
SBL-30DT、SBL-54DT、SBL-72DT
SBL-90DT、SBL-108DT

Capacity	10-108L
Frequency	40KHz
Temperature	5-80°C
Ultrasonic Power	360-1800W (1%-100%)
Heating Power	1000-7200W
Cooling Power	1000-4000W

DUAL FREQUENCY ULTRASONIC CLEANER

DTS SERIES



Model	SB-3200DTS、SB-5200DTS SB-5200DTS、SB-4200DTS SB25-12DTS、SB25-12DTS SB-800DTS	Capacity	6-30L
		Frequency	40/80KHz
		Ultrasonic power	180-840W(40-99%)
		Heating power	400-1000W
		Drainage	Most models are available except SB-3200DTS

MULTI FREQUENCY ULTRASONIC CLEANER

DTY SERIES



Model	SB-300DTY、SB-400DTY SB-500DTY、SB-600DTY SB-1000DTY、SB-1200DTY	Capacity	10-72L
		Frequency	40kHz、65kHz、75kHz、85kHz
		Ultrasonic power	300-1200W (40%-99%)
		Heating power	800-5000W
		Drainage	Available

Ultrasonic Series
H2G
Life Sciences
Ultrasonic Cleaning
Chiller and circulator
Vacuum Freeze Drying
Drug Testing
Others

SCIENTZ PROCESS THERMOSTAT

PROCESS COOLING AND HEATING



HL SERIES(-25~200°C)



Model	Temp range(°C)	Heating Power(kW)	Cooling Power(20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
HL25-220	-25-200	2.5	2.5	30	1.5	400*600*1250	220V/50Hz~1
HL35-220	-25-200	3.5	3.5	30	1.5	450*650*1300	380V/50Hz~3
HL55-220	-25-200	5.5	5.5	42	2	550*750*1400	380V/50Hz~3
HL75-220	-25-200	7.5	7.5	56	2	570*750*1500	380V/50Hz~3
HL100-220	-25-200	10	10	56	2	650*700*1650	380V/50Hz~3
HL150-220	-25-200	15	15	110	2.5	750*750*1800	380V/50Hz~3
HL250W-220-25-200	-25-200	25	25	120	2.5	1000*950*1650	380V/50Hz~3
HL380W-220-25-200	-25-200	38	38	150	2.5	1000*950*1750	380V/50Hz~3
HL600W-220-25-200	-25-200	60	60	300	2.5	2000*1250*1750	380V/50Hz~3
HL950W-220-25-200	-25-200	95	95	400	2.5	2000*1250*1750	380V/50Hz~3

HL SERIES(-40~200°C)



Model	Temp range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
HL25-420	-40-200	2.5	2.5	20	2	400*600*1250	220V/50Hz~1
HL35-420	-40-200	3.5	3.5	35	2	450*650*1300	380V/50Hz~3
HL55-420	-40-200	5.5	5.5	35	2	550*650*1400	380V/50Hz~3
HL75-420	-40-200	7.5	7.5	50	2	570*700*1550	380V/50Hz~3
HL100-420	-40-200	10	10	60	2	650*700*1650	380V/50Hz~3
HL150-420	-40-200	15	15	110	2.5	750*750*1800	380V/50Hz~3
HL250W-420	-40-200	25	25	150	2.5	1000*950*1650	380V/50Hz~3
HL380W-420	-40-200	38	38	200	2.5	1000*950*1750	380V/50Hz~3
HL600W-420	-40-200	60	60	250	2.5	2000*1250*1750	380V/50Hz~3
HL950W-420	-40-200	95	95	400	2.5	2000*1250*1750	380V/50Hz~3

HL SERIES(-60~200°C)



Model	Temp range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
HL25W-620	-60-200	2.5	2.5	35	2	400*600*1150	220V/50Hz~1
HL35W-620	-60-200	3.5	3.5	35	2	550*700*1450	380V/50Hz~3
HL55W-620	-60-200	5.5	5.5	50	2	650*700*1650	380V/50Hz~3
HL75W-620	-60-200	7.5	7.5	60	2	650*700*1650	380V/50Hz~3
HL100W-620	-60-200	10	10	110	2	750*750*1800	380V/50Hz~3
HL150W-620	-60-200	15	15	150	2.5	1000*950*1650	380V/50Hz~3
HL250W-620	-60-200	25	25	200	2.5	1250*950*1650	380V/50Hz~3
HL380W-620	-60-200	38	38	250	2.5	2000*1250*1750	380V/50Hz~3
HL600W-620	-60-200	60	60	400	2.5	2300*1450*1750	380V/50Hz~3
HL950W-620	-60-200	95	95	400	2.5	2300*1450*1750	380V/50Hz~3

HL SERIES(-80~200°C)



Model	Temp range(°C)	Heating Power(kW)	Cooling Power(20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
HL25W-820	-80-200	2.5	2.5	20	2	400*600*1250	380V/50Hz~3
HL35W-820	-80-200	3.5	3.5	35	2	450*650*1300	380V/50Hz~3
HL55W-820	-80-200	5.5	5.5	35	2	550*650*1400	380V/50Hz~3
HL75W-820	-80-200	7.5	7.5	50	2	500*680*1450	380V/50Hz~3
HL100W-820	-80-200	10	10	60	2	650*700*1650	380V/50Hz~3
HL150W-820	-80-200	15	15	110	2.5	750*750*1800	380V/50Hz~3
HL250W-820	-80-200	25	25	150	2.5	1000*950*1650	380V/50Hz~3
HL380W-820	-80-200	38	38	200	2.5	1000*950*1750	380V/50Hz~3
HL600W-820	-80-200	60	60	250	2.5	2000*1250*1750	380V/50Hz~3
HL950W-820	-80-200	95	95	400	2.5	2000*1250*1750	380V/50Hz~3

HL SERIES DUAL-CHANNEL HOST-CONTROLLER(-25~200°C)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power(20°C/kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
HL25-220-2T	-25-200	2.5	2	15	1	550*650*1400	220V/50Hz~1
HL35-220-2T	-25-200	3.5	3	15	2.5	550*700*1600	380V/50Hz~3
HL55-220-2T	-25-200	5.5	5	35	2.5	750*750*1800	380V/50Hz~3
HL75-220-2T	-25-200	7.5	6	50	2.5	1000*950*1650	380V/50Hz~3
HL100-220-2T	-25-200	10	8.5	50	2.5	1000*950*1650	380V/50Hz~3
HL150-220-2T	-25-200	15	11	110	2.5	2000*1250*1750	380V/50Hz~3
HL250-220-2T	-25-200	25	18	110	2.5	2000*1250*1750	380V/50Hz~3
HL380-220-2T	-25-200	38	26	150	2.5	2300*1450*1750	380V/50Hz~3
HL600-220-2T	-25-200	60	42	250	2.5	2300*1450*1750	380V/50Hz~3
HL950-220-2T	-25-200	95	68	250	2.5	2300*1450*1750	380V/50Hz~3

Ultrasonic Series
HDG
Life Sciences
Ultrasonic Cleaning
Chiller and circulator
Vacuum Freeze Drying
Drug Testing
Others

HL SERIES(-100~100°C)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
HL35-1010	-100-100	3.5	3.5	35	2	700*800*1650	380V/50Hz~3
HL55W-1010	-100-100	5.5	5.5	50	2	700*800*1650	380V/50Hz~3
HL75W-1010	-100-100	7.5	7.5	50	2	1000*950*1750	380V/50Hz~3
HL100W-1010	-100-100	10	10	50	2	1000*950*1750	380V/50Hz~3
HL150W-1010	-100-100	15	15	100	2.5	1000*950*1750	380V/50Hz~3
HL250W-1010	-100-100	25	25	100	2.5	2000*1250*1750	380V/50Hz~3
HL380W-1010	-100-100	38	38	150	2.5	2000*1250*1750	380V/50Hz~3

PROCESS COOLING

L SERIES(-25~RT)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power(20°C/kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
L1.5-2	-25-RT	/	0.8	20	1.5	400*600*1150	220V/50Hz~1
L3-2	-25-RT	/	1.5	35	1.5	500*680*1350	220V/50Hz~1
L4-2	-25-RT	/	3.5	35	1.5	500*680*1350	380V/50Hz~3
L6-2	-25-RT	/	5	75	1.5	650*700*1650	380V/50Hz~3
L8-2	-25-RT	/	7.3	75	1.5	750*750*1800	380V/50Hz~3
L13-2	-25-RT	/	10	100	1.5	850*850*1850	380V/50Hz~3

PROCESS HEATING



H SERIES(50~200°C)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
H25W-20	50-200	2.5	0.6	10	1.5	350*560*750	220V/50Hz~1
H35W-20	50-200	3.5	1	20	1.5	400*600*1050	220V/50Hz~1
H55W-20	50-200	5.5	1.8	35	2	400*600*1050	380V/50Hz~3
H75W-20	50-200	7.5	2.2	50	2	400*600*1050	380V/50Hz~3
H100W-20	50-200	10	3.4	50	2	400*600*1050	380V/50Hz~3
H150W-20	50-200	15	5	75	2.5	600*600*1250	380V/50Hz~3
H250W-20	50-200	25	8.5	110	2.5	600*600*1250	380V/50Hz~3
H380W-20	50-200	38	12	110	2.5	600*600*1250	380V/50Hz~3
H600W-20	50-200	60	19	250	2.5	1500*1000*1650	380V/50Hz~3
H950W-20	50-200	95	30	250	2.5	2050*1250*2050	380V/50Hz~3

L SERIES(-40~RT)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
L1.5-4	-40-RT	/	0.4	20	0.7	400*600*1250	220V/50Hz~1
L3-4	-40-RT	/	0.75	20	0.7	500*680*1350	380V/50Hz~3
L5-4	-40-RT	/	1.5	35	1	500*680*1450	380V/50Hz~3
L7.5-4	-40-RT	/	2.1	75	1	650*700*1650	380V/50Hz~3
L13-4	-40-RT	/	3	75	1	750*750*1800	380V/50Hz~3
L17-4	-40-RT	/	5	140	1	750*750*1800	380V/50Hz~3

H SERIES(50~300°C)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Overall Dimension L*W*H(mm)	Power Supply
H35W-30	50-300	3.5	0.6	15	2	600*600*1250	380V/50Hz~3
H55W-30	50-300	5.5	1.8	35	2	600*600*1250	380V/50Hz~3
H75W-30	50-300	7.5	2.2	40	2	600*600*1250	380V/50Hz~3
H100W-30	50-300	10	3	50	2	600*600*1250	380V/50Hz~3
H150W-30	50-300	15	4	75	2.5	700*800*1650	380V/50Hz~3
H250W-30	50-300	25	6	110	2.5	700*800*1650	380V/50Hz~3
H380W-30	50-300	38	11	110	2.5	1500*1000*1650	380V/50Hz~3
H600W-30	50-300	60	16	250	2.5	2050*1250*2055	380V/50Hz~3
H950W-30	50-300	95	30	250	2.5	2050*1250*2055	380V/50Hz~3

L SERIES(-60~-20°C)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
L1.5-6	-60~-20	/	0.4	20	0.7	400*600*1150	220V/50Hz~1
L2-6	-60~-20	/	0.6	20	0.7	500*680*1350	380V/50Hz~3
L3-6	-60~-20	/	1.2	35	1	650*700*1650	380V/50Hz~3
L4-6	-60~-20	/	1.6	35	1	650*700*1650	380V/50Hz~3
L5-6	-60~-20	/	2	75	1	650*700*1650	380V/50Hz~3
L8-6	-60~-20	/	3	75	1	750*750*1800	380V/50Hz~3

Ultrasonic Series
HDG
Life Sciences
Ultrasonic Cleaning
Chiller and circulator
Vacuum Freeze Drying
Drug Testing
Others

L SERIES(-80~-20°C)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Overall Dimension L*W*H(mm)	Power Supply
L1.5-8	-80~-20	/	0.2	20	0.7	500*680*1350	220V/50Hz~1
L3-8	-80~-20	/	0.5	20	0.7	500*680*1350	380V/50Hz~3
L6-8	-80~-20	/	0.9	35	1	650*700*1650	380V/50Hz~3
L8-8	-80~-20	/	1.2	35	1	650*700*1650	380V/50Hz~3
L15-8	-80~-20	/	2	75	1	750*750*1800	380V/50Hz~3
L25-8	-80~-20	/	3	75	1	850*850*1850	380V/50Hz~3

L SERIES(-100~-60°C)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Overall Dimension L*W*H(mm)	Power Supply
L6-10	-100~-60	/	0.7	20	0.7	550*700*1650	380V/50Hz~3
L12-10	-100~-60	/	1.4	35	1	700*800*1650	380V/50Hz~3
L22-10	-100~-60	/	2.3	75	1	700*800*1650	380V/50Hz~3

L SERIES(-120~-70°C)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Max Flow (L/min)	Max Pressure (bar)	Overall Dimension L*W*H(mm)	Power Supply
L15-12	-120~-70	/	0.3	20	0.7	550*700*1650	380V/50Hz~3
L20-12	-120~-70	/	0.55	35	1	700*800*1650	380V/50Hz~3
L25-12	-120~-70	/	0.95	35	1	700*800*1650	380V/50Hz~3

COOLING CIRCULATOR

DLK SERIES(-25~45°C)



Model	Temp Range(°C)	Filling Volume(L)	Cooling Power (25°C /kW)	Maximum Flow Rate(L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
DLK-5001	-5-45	0.9	0.35	20	1.2	260*340*300	220V/50Hz~1
DLK-2002	-20-45	2	0.55	20	1.2	222*450*505	220V/50Hz~1
DLK-5003	-5-45	3	0.63	20	1.2	390*423*445	220V/50Hz~1
DLK-2003	-20-45	3	0.63	20	1.2	390*423*445	220V/50Hz~1
DLK-5007	-5-45	7	1.27	20	1.2	390*410*630	220V/50Hz~1
DLK-2007	-25-45	7	1.6	20	1.2	390*410*630	220V/50Hz~1
DLK-5010	-5-45	10	2.1	20	1.2	430*470*820	220V/50Hz~1
DLK-2010	-25-45	10	2.4	20	1.2	430*470*820	220V/50Hz~1
DLK-5020	-5-45	20	3.8	20	1.2	447*553*960	220V/50Hz~1
DLK-2020	-25-45	20	4.1	20	1.2	447*553*960	220V/50Hz~1
DLK-5030	-5-45	30	5.8	20	1.2	557*675*1193	220V/50Hz~1
DLK-2030	-25-45	30	5.8	20	1.2	557*675*1193	220V/50Hz~1

COOLING CIRCULATOR

SLC SERIES(-25~45°C)



Model	Temp Range(°C)	Filling Volume(L)	Cooling Power (25°C /kW)	Maximum flow rate(L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
SLC-2006	-25-45	0.7	0.6	20	1.2	220*450*500	220V/50Hz~1
SLC-2030	-25-45	8-15	3	30	6	428*620*890	220V/50Hz~1

COOLING AND HEATING CHILLER(PROGRAM CONTROL)

CK SERIES(-40~200°C)



Model	Temp Range(°C)	Heating Power(kW)	Cooling Power (20°C /kW)	Maximum Flow Rate(L/min)	Max Pressure (bar)	Dimensions L*W*H(mm)	Power Supply
CK-2003GD	-20-200	1	0.4	15	0.45	500*358*754	220V/50Hz
CK-4005GD	-40-200	1.5	0.75	15	0.45	590*435*770	220V/50Hz
CK-4007GD	-40-200	2.1	1.24	15	0.45	615*505*845	220V/50Hz
CK-4010GD	-40-200	2.5	1.65	15	0.45	615*505*895	220V/50Hz

Ultrasonic Series
 HDG
 Life Sciences
 Ultrasonic Cleaning
 Chiller and circulator
 Vacuum Freeze Drying
 Drug Testing
 Others

COOLING AND HEATING CHILLER

DC SERIES(-40~100°C)



Model	Temp Range(°C)	Heating power(kW)	Top Opening Size(mm ²)	Volume (L)	Cooling Power (25°C /kW)	Pump Flow	Pump Pressure	Dimensions L*W*H(mm)
SDC-6	-5-100	1.0	180*140	6	0.42	0-15	0.45	390*340*652
DC-1006	-10-100	1.0	180*140	6	0.32	0-15	0.45	390*340*652
DC-2006	-20-100	1.0	180*140	6	0.42	0-15	0.45	390*340*652
DC-3006	-30-100	1.0	180*140	6	0.42	0-15	0.45	455*388*845
DC-4006	-40-100	1.0	180*140	6	0.48	0-15	0.45	455*388*845
DC-0510	-5-100	1.0	180*140	10	0.52	0-15	0.45	395*336*715
DC-1010	-10-100	1.0	180*140	10	0.42	0-15	0.45	395*336*715
DC-2010	-20-100	1.0	180*140	10	0.62	0-15	0.45	395*336*715
DC-3010	-30-100	1.0	180*140	10	0.54	0-15	0.45	455*388*845
DC-4010	-40-100	1.0	180*140	10	0.46	0-15	0.45	455*388*845
DC-0515	-5-100	1.55	235*160	15	0.76	0-15	0.45	455*388*845
DC-1015	-10-100	1.55	235*160	15	0.76	0-15	0.45	455*388*845
DC-2015	-20-100	1.55	235*160	15	0.76	0-15	0.45	455*388*845
DC-3015	-30-100	1.55	235*160	15	0.73	0-15	0.45	455*430*865
DC-4015	-40-100	1.55	235*160	15	1.24	0-15	0.45	455*430*865
DC-2020	-20-100	2.5	235*160	20	1.55	0-15	0.45	540*430*935
DC-0530	-5-100	2.5	310*280	30	1.80	0-15	0.45	625*500*990
DC-1030	-10-100	2.5	310*280	30	2.00	0-15	0.45	625*500*990
DC-2030	-20-100	2.5	310*280	30	2.40	0-15	0.45	625*500*990
DC-3030	-30-100	2.5	310*280	30	2.50	0-15	0.45	625*500*990
DCW-1015	-10-100	1.0	235*160	15	0.76	0-15	0.45	725*440*555
DCW-2008	-20-100	1.0	235*160	10	0.62	0-15	0.45	725*440*555
DCW-3506	-35-100	1.0	180*140	7	0.75	0-15	0.45	725*440*555
DCW-3510	-35-100	1.0	180*140	10	0.75	0-15	0.45	725*440*555
DCW-0506	-5-100	1.0	180*140	7	0.52	0-15	0.45	725*440*555
DCW-4006	-40-100	1.0	180*140	7	0.75	0-15	0.45	725*440*555

HEATING BATH

SC SERIES(RT +8~200°C)



Model	Temp Range(°C)	Power (kW)	Top Opening Size(mm ²)	Volume (L)	Pump Flow (L/min)	Pump Pressure	Dimensions L*W*H(mm)
SC-5A	RT+8-95	0.6	130*130	5	0-15	0.45	380*318*445
SC-15	RT+8-100	1.55	235*160	15	0-15	0.45	422*348*500
SC-15A	RT+8-200	1.55	235*160	15	Internal circulatio	/	482*375*490
SC-15B	RT+8-200	1.55	235*160	15	0-15	0.45	482*375*490
SC-20	RT+8-100	1.95	310*280	20	0-15	0.45	620*395*445
SC-20A	RT+8-200	1.95	310*280	20	Internal circulatio	/	642*404*440
SC-20B	RT+8-200	1.95	310*280	20	0-15	0.45	642*404*440
SC-25	RT+8-100	2.1	235*160	25	0-15	0.45	410*330*600
SC-25A	RT+8-200	2.5	235*160	25	Internal circulatio	/	450*375*600
SC-25B	RT+8-200	2.5	235*160	25	0-15	0.45	450*375*600
SC-30	RT+8-100	2.5	310*280	30	0-15	0.45	530*450*525
SC-30A	RT+8-200	2.5	310*280	30	Internal circulatio	/	605*425*490
SC-30B	RT+8-90	2.5	150*150	30	6	0.15	306*306*585
SC-30C	RT+8-200	2.5	310*280	30	0-15	0.45	605*425*490

HIGH PRECISION HEATING AND COOLING CIRCULATOR

GDH SERIES(-40~100°C)



Model	Temp Range(°C)	Heating Power(kW)	Top Opening Size(mm ²)	Volume (L)	Temp Fluctuation (°C)	Display Resolution (°C)	Dimensions L*W*H(mm)
GDH-2006	-20-100	1	180*140	6	±0.01	0.001	455*388*845
GDH-4006	-40-100	1	180*140	6	±0.01	0.001	455*388*845
GDH-2010	-20-100	1	180*140	10	±0.01	0.001	455*388*845
GDH-2015	-20-100	1.5	235*160	15	±0.01	0.001	455*388*845
GDH-0530	-5-100	2.5	310*280	30	±0.01	0.001	625*500*900
GDH-2030	-20-100	2.5	310*280	30	±0.01	0.001	625*500*900
GDH-2008W	-20-100	1	235*160	8	±0.01	0.001	725*440*555

Ultrasonic Series
 HDG
 Life Sciences
 Ultrasonic Cleaning
 Chiller and circulator
 Vacuum Freeze Drying
 Drug Testing
 Others

HIGH PRECISION HEATING CIRCULATOR

GH SERIES(RT+8~200°C)

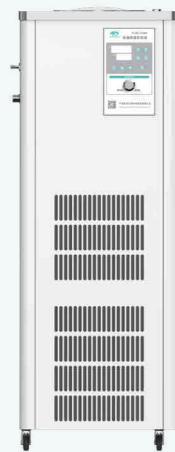


Model	Temp Range (°C)	Power (kW)	Top Opening Size(mm²)	Volume (L)	Temp fluctuation(°C)	Display Resolution(°C)	Dimensions L*W*H(mm)
GH-15	RT+8-100	1.55	235*160	15	±0.01	0.001	482*375*490
GH-15A	RT+8-200	1.55	235*160	15	±0.01	0.001	482*375*490
GH-30	RT+8-100	2.5	310*280	30	±0.01	0.001	605*425*490
GH-30A	RT+8-200	2.5	310*280	30	±0.01	0.001	605*425*490

CONSTANT-TEMPERATURE REACTION BATH



DLBC SERIES(-83~98°C)



Model	Temp Range(°C)	Power (kW)	Top Opening Size(mm²)	Volume (L)	Cooling Power (25°C /W)	Dimensions L*W*H(mm)	Power Supply
DLBC-4005	-40-98	1.2	230*150	5	1420-462	520*350*720	220V/50Hz~1
DLBC-8005	-83-98	1.2	230*150	5	1938-200	430*350*960	220V/50Hz~1
DLBC-4010	-40-98	1.5	290*200	10	2548-980	580*450*730	220V/50Hz~1
DLBC-8010	-83-98	1.5	290*200	10	2900-230	720*650*900	220V/50Hz~1
DLBC-4020	-40-98	1.5	290*350	20	3635-980	630*520*1000	380V/50Hz~3
DLBC-8020	-83-98	1.5	290*350	20	4530-360	940*710*1010	380V/50Hz~3
DLBC-4030	-40-98	1.5	290*350	30	4080-1270	940*710*1010	380V/50Hz~3
DLBC-8030	-83-98	1.5	290*350	30	4679-422	1030*810*1020	380V/50Hz~3
DLBC-4050	-40-98	1.5	350*400	50	10256-2300	760*610*1030	380V/50Hz~3
DLBC-8050	-83-98	1.5	350*400	50	11200-1480	1030*860*1030	380V/50Hz~3
DLBC-4080	-40-98	2.5	500*450	80	10860-2830	1000*800*1100	380V/50Hz~3
DLBC-8080	-83-98	2.5	500*450	80	11670-1800	1200*830*1350	380V/50Hz~3

SCIENTZ

FREEZE DRYER

SCIENTZ-N LABORATORY FREEZE DRYER

SCIENTZ-N SERIES



A Common

B Cap Type

C Ordinary Multi Manifold Type

D Multi manifold type with pressure cover

E Ampoule T-shaped rack

OPTIONAL FUNCTION

Eutectic point test function, master the material better sublimation temperature;
Vacuum control function to maximize heat transfer;
Double-stack refrigeration system, mature technology, low temperature, for -80°C freeze dryer;
Electric defrost function, accelerates defrosting speed and shortens drying cycle;
Wide mouth manifold freeze-dried bottle configuration, easy to install the material, with the import standard freeze-dried bottle valve supporting the connection. Standard 8 tubes;

Vacuum pumps imported from multiple brands;
Vacuum pump oil mist filter;
Fully automatic vacuum differential pressure valve to prevent oil backflow;
Optional UPS power supply to ensure operational continuity

Model	SCIENTZ-10N				SCIENTZ-12N				SCIENTZ-18N				
	A Common type	B Cap type	C Ordinary multi manifold type	D Multi-component Tube	A Common	B Cap type	C Multi-manifold Std.	D Cap Multi-man	A Common	B Cap type	C Multi-manifold Std.	D Cap Multi-man	T-frame
Dryer Area (m²)	0.12	0.08	0.12	0.08	0.12	0.08	0.12	0.08	0.18	0.09	0.18	0.09	/
Condenser Capacity	3	3	3	3	4	4	4	4	6	6	6	6	/
Penicillin Vial Capacity	Φ12mm	920	560	920	560	920	560	560	1320	990	1320	990	/
	Φ16mm	480	285	480	285	480	285	285	698	349	698	349	/
	Φ22mm	260	165	260	165	260	165	165	360	184	360	184	/
Eggplant-shape Bottle Quantity	/	/	8	8	/	/	8	8	/	/	8	8	/
Abe Bottle Quantity (piece)	/	/	/	/	/	/	/	/	/	/	/	/	24
Tray Loading Capacity (L)	1.5	1	1.5	1	1.5	1	1.5	1	2	1	2	1	/
Tray Size(mm)	Φ200	Φ180	Φ200	Φ180	Φ200	Φ180	Φ200	Φ180	Φ240	Φ200	Φ240	Φ200	/
Tray Spacing(mm)	70	70	70	70	70	70	70	70	70	70	70	70	/
Tray Quantity(PC)	4	3	4	3	4	3	4	3	4	3	4	3	/
Condenser Size (mm)	Φ250×150				Φ250×250				Φ300×405				
Condenser Temperature (-56°C)	≤ -56 (No-load)				≤ -56 (no-load)				≤ -56 (no-load)				
Condenser Temperature (-80°C)	≤ -80 (No-load)				≤ -80 (no-load)				≤ -80 (no-load)				
Ultimate Vacuum(Pa)	≤ 5 (No-load)				≤ 5 (no-load)				≤ 5 (no-load)				
Power KW(220V/50Hz)	0.95				1				1.3				
Power KW(-80°C)	1.35				1.4				1.7				
Environment Temperature(°C)	≤ 25				≤ 25				≤ 25				
Overall Dimensions (-56°C Mode)	L610*W482*H455+440				L630*W480*H720+440				L695*W555*H915+440				
Overall Dimensions(-80°C Mode)	L800*W525*H755+440				L800*W525*H755+440				L780*W525*H910+480				
Special Notes	The overall size and weight of the machine do not include an external vacuum pump, and the height of the B/D freeze-drying machine does not include a manual pressure cover handle (increased height by about 70mm)												

Ultrasonic Series
 HDG
 Life Sciences
 Ultrasonic Cleaning
 Chiller and circulator
 Vacuum Freeze Drying
 Drug Testing
 Others

LAB FREEZE DRYER (WITH HEATING)

SCIENTZ-ND SERIES

Model	SCIENTZ-10ND				SCIENTZ-12ND				SCIENTZ-18ND				
	A Common	B Cap Type	C Standard	D Clamp-Multi-Manifold	A Common	B Cap Type	C Standard	D Clamp-Multi-Manifold	A Common	B Cap Type	C Standard	D Clamp-Multi-Manifold	
Dryer Area(m ²)	0.12	0.08	0.12	0.08	0.12	0.08	0.12	0.08	0.18	0.09	0.18	0.09	
Condenser Capacity(kg /batch)	3	3	3	3	4	4	4	4	6	6	6	6	
Penicillin Vial Capacity	φ12mm	920	560	920	560	920	560	920	560	1320	990	1320	990
	φ16mm	480	285	480	285	480	285	480	285	698	349	698	349
	φ22mm	260	165	260	165	260	165	260	165	360	184	360	184
Eggplant-shape Bottle Quantity	/	/	8	8	/	/	8	8	/	/	8	8	
Tray Loading Capacity (L)	1.5	1	1.5	1	1.5	1	1.5	1	2	1	2	1	
Tray Size (mm)	φ200	φ180	φ200	φ180	φ200	φ180	φ200	φ180	φ240	φ200	φ240	φ200	
Tray Spacing	70	70	70	70	70	70	70	70	70	70	70	70	
Tray Quantity (PC)	4	3	4	3	4	3	4	3	4	3	4	3	
Condenser Size (mm)	φ250×150				φ250×250				φ300×405				
Condenser Temperature (-56°C)	≤ -56(un-load)				≤ -56(un-load)				≤ -56(un-load)				
Condenser Temperature (-80°C)	≤ -80(un-load)				≤ -80(un-load)				≤ -80(un-load)				
Ultimate Vacuum (Pa)	≤ 5(un-load)				≤ 5(un-load)				≤ 5(un-load)				
Power KW(220V/50Hz)	1.11	1.07	1.11	1.07	1.16	1.12	1.16	1.12	1.46	1.42	1.46	1.42	
Power KW(-80°C)	1.51	1.47	1.51	1.47	1.56	1.52	1.56	1.52	1.86	1.82	1.86	1.82	
Environment Temperature (°C)	≤ 25												
Overall Dimensions (-56°C Mode)	L610*W482*H455+440				L630*W480*H720+440				L695*W555*H915+440				
Overall Dimensions(-80°C Mode)	L800*W525*H755+440				L800*W525*H755+440				L780*W525*H910+480				
Special Notes	The size and weight of the whole machine do not include the external vacuum pump, and the height of the whole machine of B/D type lyophiliser does not include the manual gland handle (the increase in height is about 70mm).												

PILOT FREEZE DRYER (ROUND)

SCIENTZ-YG SERIES



Optional Features

- Compound unit, cold trap up to -80°C -APP and PC remote control function -Imported vacuum pump
- Automatic nitrogen filling interface -External T-frame -Eutectic point test

Model	SCIENTZ-10YG		SCIENTZ-30YG		SCIENTZ-50YG		SCIENTZ-100YG	
	A Common	B Cap Type	A Common	B Cap Type	A Common	B Cap Type	A Common	B Cap Type
Dryer Area (m ²)	0.2	0.1	0.3		0.5		1.02	
Condenser Capacity(kg/batch)	3	1.5	6		10		15	
Penicillin Vial Capacity	φ12mm	1300	650	1950	3690		7020	
	φ16mm	770	388	1160	1940		4190	
	φ22mm	410	205	615	1020		2210	
Tray Loading Capacity (L)	2	1	3		6		15	
Tray Size (LW, mm)	430*240	430*240	430*240		430*320		400*505	
Capping Function	/	Manual capping	/	Manual capping	/	Hydraulic auto-capping	/	Hydraulic auto-capping
Tray Spacing (mm)	70	70	70		70		70	
Tray Quantity(PC)	2(Square tube splicing)	1(Square tube splicing)	3 (Square tube splicing)		4 (Square tube splicing)		4 (Square tube splicing)	
Tray Temperature Controlling(°C)	-40 ~ +70(No-load)	-40 ~ +70(No-load)	-40 ~ +70(No-load)		-40 ~ +70(No-load)		-40 ~ +70(No-load)	
Condenser Temperature(°C)	≤ -56 (No-load)	≤ -56 (No-load)	≤ -56 (No-load)		≤ -56 (No-load)		≤ -56 (No-load)	
Ultimate Vacuum(Pa)	≤ 2 (No-load)	≤ 2 (No-load)	≤ 2 (No-load)		≤ 2 (No-load)		≤ 2 (No-load)	
Power KW(220V/50Hz)	2.3 (220V)	2.3 (220V)	2.8 (220V)		3.5 (380V)		5.4 (380V)	
Environment Temperature (°C)	≤ 25	≤ 25	≤ 25		≤ 25		≤ 25	
Overall Dimensions (LWH, mm)	L740*W775*H1100	L740*W775*H1205	L1095*W800*H1465	L1095*W800*H1550	L1090*W800*H1465	L1190*W810*H1690	L1280*W1030*H1510	
Weight(kg)	164	164	224	240	256	270	570	

Special Notes: The size and weight of the whole machine do not include the external vacuum pump, and the height of the whole machine does not include the manual capping handle (the increase in height is about 90mm).

T-FRAME FREEZE DRYER

SCIENTZ-25T/25TK



Suitable for processing samples of bacteria, fungi, peptide samples, preservation of microbial strains, etc.

Model	SCIENTZ-25T/25TK
Condenser Temperature (No Load)	<-56° C (-80° C optional)
Condenser Capacity	14L
Condenser Surface Area	0.61m ²
Condenser Size	φ300*350
Condenser Chamber Volume	25L
Compressor Horsepower	1.1HP
Number Of Compressors	1(-80°C dual compressor)
Vacuum Pump	4L/S
Double Horizontal Manifold Rack	24pcs(Wide-mouth bottle and eggplant-shaped bottle are optional)

SCIENTZ-34T FREEZE DRYER

SCIENTZ-34T



No-load cold trap temperature	-80° C
Ice capacity per batch	30 L
Condenser surface area cm ²	3800*2
Condenser size	φ300*650*2
Condensing chamber volume	60 L
Compressor horsepower HP	1.5
Number of compressors	3
System refrigerant	R404, R23
Refrigerant category	Environmentally friendly refrigerant
Defrosting method	Electric defrosting
Average defrosting time	<40 min
Vacuum pump	4 L/S*2
Double-layer horizontal manifold rack	34 positions (wide-mouth bottle or eggplant-shaped bottle optional)
Main unit dimensions	1166*850*1830 mm
Total power consumption	4000 VA
Power supply	220 V, 50 Hz

The above data is for reference only and can be customized according to user requirements; the final data shall be subject to the contract.

PILOT FREEZE DRYER(RECTANGULAR)

SCIENTZ-FG SERIES



Optional Function

Optional Functions、 Imported vacuum pump、 Automatic nitrogen filling interface、 T-type bottle holder、 Eutectic point test Mobile phone APP remote control、 GMP compliant 、 Through-wall model、 Vacuum pump oil mist filter 、 Automatic vacuum differential pressure valve 、 316 corrosion-resistant stainless steel.

Model	SCIENTZ-20FG	SCIENTZ-30FG	SCIENTZ-50FG	SCIENTZ-100FG
Specification	Ordinary Top Press	Ordinary Top Press	Ordinary Top Press	Ordinary Top Press
Freeze-drying Area(m ²)	0.2	0.3	0.51	1.01
Water Capture Capacity(kg/batch)	4	6	10	15
Penicillin Vial Capacity				
Φ12mm	1300	1950	3690	7020
Φ16mm	814	1160	1940	4190
Φ22mm	430	615	1020	2210
Plate Loading Solution(L)	3	3	6	15
Plate Size(L*Wmm)	430*240	430*240	430*320	505*400
Capping Function	/ Manual	/ Hydraulically	/ Hydraulically	/ Hydraulically
Pitch Of Plate(mm)	70	70	70	70
Number Of Plates(piece)	2+1	3+1	4+1	5+1
Layer Temperature Setting(C)	-50 ~ +70 (un-load)	-50 ~ +70 (un-load)	-50 ~ +70 (un-load)	-50 ~ +70 (un-load)
Cold Trap Temperature Setting(C)	≤ -80° C (un-load)	≤ -80° C (un-load)	≤ -80° C (un-load)	≤ -80° C (un-load)
Ultimate Vacuum(Pa)	≤ 2(un-load)	≤ 2 (un-load)	≤ 2 (un-load)	≤ 2 (un-load)
Power(kW)	2.2 (220V)	3.8 (220V)	5.6 (380V)	6.8 (380V)
Ambient Temperature(°C)	≤ 25° C	≤ 25° C	≤ 25° C	≤ 25° C
Dimension(L*W*H mm)	840*820*1240	1100*680*1240	1150*800*1410	1300*1100*1480
Weight(kg)	236	335	440	610

Special Notes: The size and weight of the whole machine do not include the external vacuum pump.

PILOT FREEZE DRYER(RECTANGULAR)

SCIENTZ-F SERIES



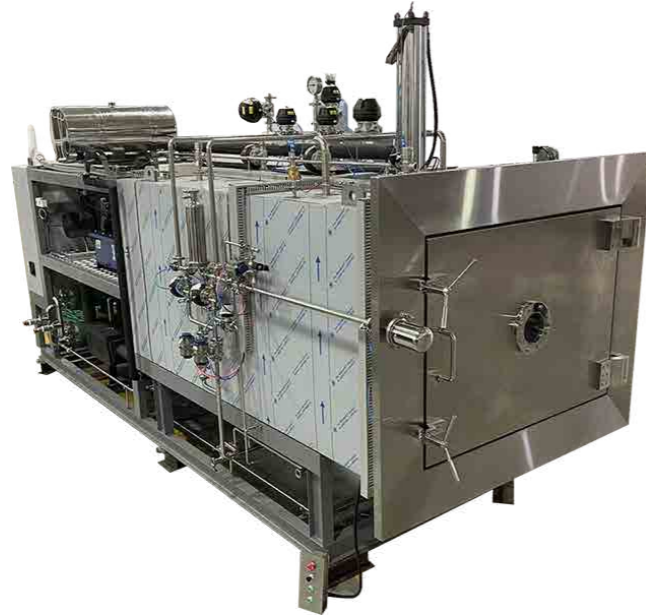
Optional Function

Eutectic point test Fully automatic vacuum differential pressure valve -Imported vacuum pump -Automatic nitrogen filling interface -T-type bottle holder Mobile phone APP remote control -GMP standard -Through-wall model -316 corrosion-resistant stainless steel -Vacuum pump oil mist filter.

Model	SCIENTZ-20F	SCIENTZ-30F	SCIENTZ-50F	SCIENTZ-100F
Type	Ordinary Top Press	Ordinary Top Press	Ordinary Top Press	Ordinary Top press
Dryer Area (m ²)	0.21	0.32	0.54	1.08
Condensor Capacity(kg/batch)	4	6	10	15
Penicillin Vial Capacity				
Φ12mm	1300	1950	3690	7020
Φ16mm	814	1160	1940	4190
Φ22mm	430	615	1020	2210
Tray Loading Capacity (L)	3 / 1.5	4.5	6	15
Tray Size (LW, mm)	400*270	400*270	450*270	545*400
Tray Spacing (mm)	70	70	70	70
Tray Quantity (PC)	2+1	3+1	5+1	5+1
Tray Temperature Controlling (°C)	-50~+70(un-load)	-50~+70(un-load)	-50~+70(un-load)	-50~+70(un-load)
Condensor Temperature (°C)	≤ -80(un-load)	≤ -80(un-load)	≤ -80(un-load)	≤ -80(un-load)
Ultimate Vacuum (Pa)	≤ 2(un-load)	≤ 2(un-load)	≤ 2(un-load)	≤ 2(un-load)
Power KW (220V/50Hz)	3.0 (220V)	3.8(220V) / 4.0(220V)	5.0(380V) / 5.6(380V)	6.8(380V) / 7.4(380V)
Environment Temperature(°C)	≤ 25	≤ 25	≤ 25	≤ 25
Overall Dimensions (LWH, mm)	A:L810*W815*H1205 B:L815*W835*H1330	A:L1090*W760*H1300 B:L1160*W820*H1600	A:L1135*W870*H1480 B:L1320*W940*H1710	A:L1280*W1030*H1480 B:L1485*W1165*H1810
Weight (kg)	236 / 286	335 / 360	424 / 480	610 / 780
Special Notes	The size and weight of the whole machine do not include the external vacuum pump, and the height of the whole machine does not include the height of the hydraulic lever (the increase in height is about 200-350mm).			

PHARMACEUTICAL FREEZE DRYER

SCIENTZ-S SERIES



Optional Function

- CIP (Cleaning In Place), SIP (Steam In Place) Function
- Fixed (RBR) or other forms of feeding and discharging systems
- O-RABS, C-RABS, ISOLATOR Aseptic Isolation System
- Filter integrity monitoring systems, solvent collection systems, in-line samplers, eutectic point testers
- Screw refrigeration compressor, dry vacuum pump, brand electronic expansion valve can be selected according to user requirements.

Model	SCIENTZ-S FREEZE DRYER											
Plate Area	1	2	3	5	8	10	15	20	25	30	40	50
Effective Plate Area (m ²)	1.08	2.16	3.24	5.4	7.56	9.72	14.4	19.8	25.2	31.5	40.5	51.3
Condensor Capacity(kg /batch)	20	40	60	90	130	180	300	400	500	600	800	1000
Bottling Capacity Φ16mm (pieces)	4100	8200	12300	20000	30700	38900	55800	76800	97700	122000	157000	199000
Bottling Capacity Φ22mm (pieces)	2100	4200	6300	11000	15700	19900	29500	40590	51600	64500	83000	105000
Liquid Loading Capacity (L)	20	40	60	90	130	180	300	400	500	600	800	1000
Plate Size Width(mm)	450	600	600	900	900	900	1200	1200	1200	1500	1500	1500
Plate Size Length (mm)	600	900	900	1200	1200	1200	1500	1500	1500	1500	1800	1800
Layer Spacing (mm)	90	90	90	90	90	90	90	90	90	90	90	90
Number Of Layers	4+1	4+1	6+1	5+1	7+1	9+1	8+1	11+1	14+1	14+1	15+1	19+1
Layer Temperature Range (°C)	-50 ~ +80 (NO Load)											
Layer Temperature Difference (°C)	± 1.0 (After Balancing)											
Cold Trap Minimum Temperature (°C)	≤ -70 (NO Load)											
Ultimate Vacuum Degree (pa)	≤ 1 (NO Load)											
Pure Steam Consumption (kg/h)	60	100	130	150	200	230	280	320	380	380	450	640
Pure Water/Injection Volume (L/min)	60	90	120	150	160	200	230	260	280	280	300	520
Cooling Water: ≤ 25°C, 0.15Mpa(m ² /hr)	5	6	6	11	16	18	20	25	40	40	50	50
Cooling Water: ≤ 25°C, 0.15Mpa(m ² /hr)	60	80	90	100	120	150	180	210	250	260	280	300
Compressed Air Volume: 0.6~1.0 Mpa(m ² /min)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Defrosting Water Volume: ≈ 65°C, 0.1Mpa(kg/ batch)	200	270	300	400	1200	1300	1700	1900	2500	3000	3500	4000
Installed Power: 380V50Hz(kw)	9	12	21	24	44	58	75	104	125	134	174	210
Equipment Weight (T)	1.8	2.5	3	4	6	7	10	12	13	15	20	25
Length (mm)	2100	3200	3400	3800	5000	5800	6500	7400	8200	8500	9000	9400
Width (mm)	900	1200	1200	1500	1500	2000	2300	2300	2300	2600	2600	2600
Height (mm)	2000	2000	2400	2900	3000	3200	3400	3800	4000	4000	4100	4500

BULK LIQUID PRODUCTION FREEZE DRYER

RAW MATERIAL LIQUID



Fixed Plate Layer



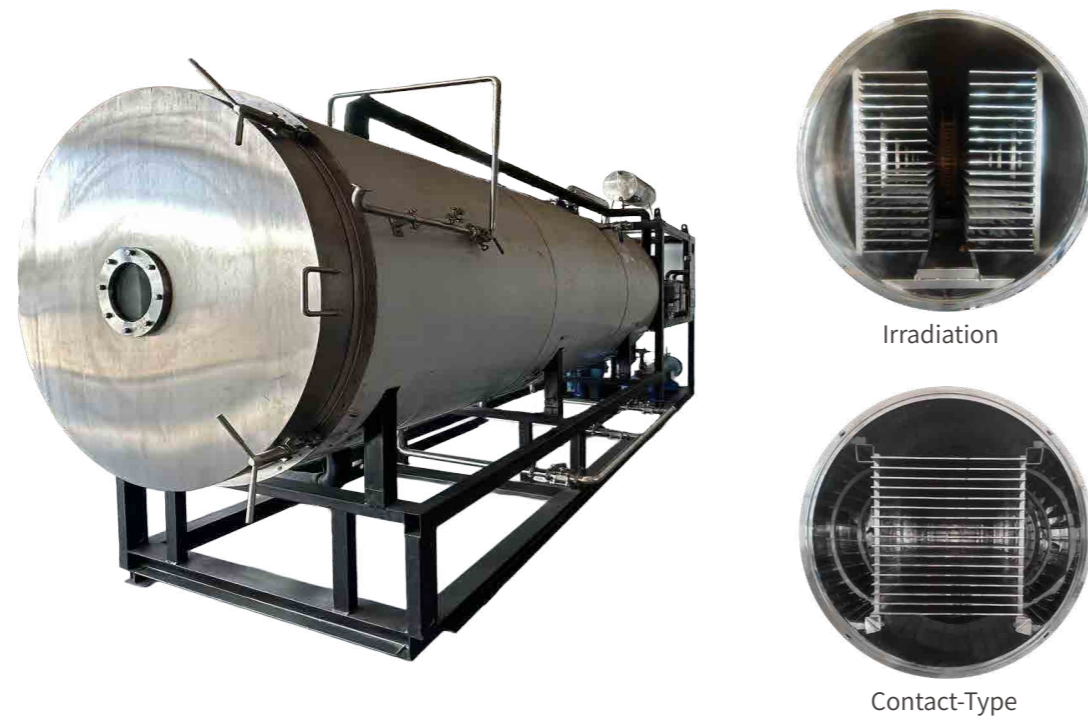
Flip-Flop Layer

Nominal Area	0.5	1	2	3	5	7.5	10	15	20	25	30	40	50
Liquid Loading Capacity (15mm Thickness) (kg)	7.5	15	30	45	75	112.5	150	225	300	375	450	600	750
Effective Shelf Area (m ²)	0.54	1.08	2.16	3.24	5.4	7.56	9.72	14.4	19.8	24.75	29.7	42	51
Shelf Length (mm)	450	600	900	900	1200	1200	1200	1500	1500	1500	1800	2000	2000
Shelf Width (mm)	300	450	600	600	900	900	900	1200	1200	1500	1500	1500	1500
Number of Shelves (Including Compensation Plate) (pcs)Shelf	4+1	4+1	4+1	6+1	5+1	7+1	9+1	8+1	12+1	11+1	11+1	14+1	17+1
Spacing (mm)	50~100 (depending on the customer's product)												
Maximum Ice Make-up Capacity (kg)	10	20	40	60	100	150	200	300	400	500	600	800	1000
Shelf Temperature Range (°C)	-55 ~ +80 (no load)												
Shelf Temperature Control Accuracy (°C)	±1.0 (after balancing)												
Cold Trap Minimum Temperature (°C)	-75 (no load)												
Ultimate Vacuum (Pa)	≤ 1 (no load)												
Cooling Water Consumption (1.5 ≤ P ≤ 2 bar, T ≤ 32°C) (t/h)	5	8	10	14	18	22	28	32	40	42	45	50	70
Cleaning Water Consumption (P ≥ 3 bar, T ≥ 70°C) (L/min)	80	80	120	150	200	220	260	280	300	320	350	400	420
Sterilization Steam Consumption (2 ≤ P ≤ 3 bar) (kg/h)	40	40	80	120	160	200	250	300	320	350	400	500	550
Defrosting Steam Consumption (2 ≤ P ≤ 3 bar) (kg/h)	10	10	20	30	50	75	100	120	150	160	180	200	250
Compressed Air Consumption (6 ≤ P ≤ 8 bar) (L/min)	40	50	50	50	50	80	80	80	100	100	100	120	120
Installed Power (kW)	9	15	18	20	36	46	65	85	115	130	145	200	235
Length (mm)	2200	2600	4000	4200	5500	5500	5800	6500	7000	7500	8000	9500	9500
Width (mm)	1000	1200	1600	1600	2100	2100	2100	2300	2350	2800	2800	2900	2900
Height (mm)	2300	2600	2800	3500	3200	3800	3800	3600	4000	4200	4500	5400	6000
Equipment Weight (t)	1.2	1.8	2.5	3.6	5	7.5	10.5	12.5	14	17	19.5	24.5	28

The above data is for reference only and can be customized according to user requirements; the final data shall be subject to the contract.

INDUSTRIAL FOOD FREEZE DRYER (RADIATION TYPE)

SCIENTZ-FFD



Model	Contact Nominal Area					Irradiated Nominal Area				
	5	10	20	30	50	50	100	150	200	250
Nominal Area	5	10	20	30	50	50	100	150	200	250
Effective Plate Area(m ²)	5.16	10.02	20.43	30.1	50.77	50.6	101.21	151.81	202.42	253
lamina Length(mm)	1300	1400	1900	2290	3650	2550	5100	7650	10200	12750
lamina Width(mm)	795	895	1195	1195	535	624	624	624	624	624
Number Of Layers Including Compensation Plate(pcs)	5+1	8+1	9+1	11+1	(13+1)*2	(17+1)*2	(17+1)*2	(17+1)*2	(17+1)*2	(17+1)*2
Interlayer Spacing(mm)	70	70	70	70	70	80	80	80	80	80
Maximum Ice Replenishment(kg)	75	150	300	450	750	550	1350	1850	2500	3300
Plate Temperature Range(°C)	-50 ~ +80 (no-load)					-30 ~ +120 (no-load)				
Temperature Control Accuracy Of The Plate Layer (°C)	±1.0 (balanced)					±1.0 (balanced)				
Minimum Temperature Of Cold Trap(°C)	-70 (no-load)					-65 (no-load)				
Ultimate Vacuum(Pa)	≤ 2.6 (no-load)					≤ 10 (no-load)				
Cooling Water Consumption 1.5 ≤ P ≤ 2bar, T ≤ 32°C (T/Hr)	20	30	45	60	80	80	120	160	210	240
Water Consumption For Cleaning P ≥ 3bar, T ≥ 70°C (L/min)	150	150	200	200	300	300	300	300	300	300
Compressed Air Consumption 6 ≤ P ≤ 8bar(L/min)	50	50	50	50	100	100	100	100	100	100
Installed Capacity(KW)	16	26	52	86	132	108	172	300	360	385
Length(mm)	3200	5100	7000	7800	12000	11800	14500	22000	26000	34000
Width(mm)	1600	1600	2000	2100	2300	2800	2800	2800	2800	2800
Height (mm)	2200	2300	2800	2900	3800	3800	3800	3800	3800	3800
Equipment Weight (T)	2.5	3.7	7	9	12	15	22	30	36	43

* The above data is for reference, can be customized upon request, subject to the final contract

VACUUM CENTRIFUGAL CONCENTRATOR

SCIENTZ-1LS/10LS



Model	SCIENTZ-1LS	SCIENTZ-10LS
Max.speed	2000r/min	2000r/min
Temperature Range	RT -70°	RT -70°
Time Setting	1-99h 或 1-59min	99min
Condensor Temperature (°C)	< -45°C	/
Dimensions	L540*W445*H950	L435*W530*H472
Weights	100kg	50kg
Power Supply	220V 50Hz	220V 50Hz
Input Power	2.5kw	1.5kw
Standard Rotor	15ml (φ18*20) ; 15ml (φ16*20) 2ml (φ11*46)	
Rotor Type Available	2ml (φ11*80) ; 15ml (φ16*46) 15ml (φ19.5*36) ; 50ml (φ33*10) microplate 2*96; 2*48	

CHROMATOGRAPHY EXPERIMENT FREEZER

SL-II/III



Model	SL-II	SL-III
Outer Dimensions	770*870*1950mm	1312*775*1900mm
Inter Dimensions	660*760*1700mm	1210*660*1500mm
Capacity	800L	1200L
Temperature Range	1°C -10°C	0°C -10°C
Cooling Method	Forced air convection (single fan)	Forced air convection
Defrost Method	Manual forced cycle defrost	Manual forced cycle defrost
Internal Material	304 stainless steel	304 stainless steel
Built-in Power Supply	2 five-prong outlets	2 five-prong outlets
Defrost Heaters	300W	600W
Power	650W(220V/50Hz)	950W(220V/50Hz)
Automatic Rebound Door	Single door	Double door
Layers	2	3
Inspection Hole	2个 & 40mm	2个 & 40mm
Lighting Inside	20W*1	40W*1
Disinfection In The Box	UV lamp (20W)	UV lamp (20W)
Ambient Temperature	≤ 25°C	≤ 25°C
Weights	≈ 280kg	≈ 330kg

DRUG TESTING CATEGORY

TABLET HARDNESS TESTER



THT-1550



Measuring range :	Hardness: 10~500N	Precision: 0.1N
	Diameter: 2~25mm	Precision: 0.1mm
	Thickness: 0.5~15mm	Precision: 0.1mm
Unit Of Measure	Hardness N/Kg/Kap (optional)/ Diameter mm/inch (optional)	
Measurement Method Manual	manual (1pc) , automatic (up to 100 pcs)	
Display	7-inch touchscreen	
Interface	Centronic Standard Serial Print Interface for micro-typing	

TABLET FRIABILITY TESTER

CSD01



Time Setting	4 minutes	Power	20W
Lap Setting	100	Power Supply	AC 220V 50HZ
Timing Range	0-10h	Dimension	440*286*350mm
Counting Range	0--99999	Weight	10KG
Speed Accuracy	25±1 times/minute		
Turntable Size	Inner diameter 286mm, depth 39mm		

CLARITY TESTER

SZ-CMII



Power Supply	AC 220V±10% 50Hz
Power (output)	22W
Lamp	20W fluorescent lamp
Illumination Range	1000 ~ 6000lx
Time Limit Range	1 to 99S Any setting
Dimensions	703mm×175mm×513mm
Weight	9.4Kg

MECHANICAL CALIBRATION TOOL

MDS-2008T



Resolution:	Coaxiality, depth, oscillation: 0.01mm
	Temperature: 0.1° C
	Verticality: 0.01°
	Stirring speed: 0.01rpm

Testing items: Horizontal, vertical, same axis, depth, speed, swing, temperature and other parameters Provide special verification software, records and judge verification effects automatically.
A PDF test report can be generated after completion.

INTELLIGENT DISINTEGRATOR

ZBJ01



Disintegration time measurement of 18 samples in 3 cups.

Temperature Range	RT-45° C
Temperature Resolution	0.01°C
Lifting And Lowering Frequency	30-32 times/min
Lifting Distance	55mm±1mm
Distance Between The	25mm±2mm
Mesh Basket And Cup	
Sieve Mesh Aperture	Standard 2mm; Optional 1mm, 0.71mm, 0.42mm
Block Density	1.18-1.20g/cm ²

DISSOLUTION TESTER

MDS-2008DS



Stirring Speed Range	10.0-300.0RPM
Speed Accuracy	≤ ±0.5RPM
Deviation Between Rotating Shaft And Dissolving Cup Shaft	≤ 1.5mm
Basket (paddle) Shaft Swing	≤ 0.5mm
Swing Of Rotating Basket	≤ 1.0mm
Verticality Of Basket (paddle) Shaft	90±0.5°
Verticality Of Dissolution Cup	90±1.0°

DRUG DISSOLUTION SAMPLING SYSTEM

MDS-2008



The dissolution parameters can be found in MDS-2008DS

Sampling Volume Deviation	≤ ±0.8% (10ml)
Temperature Range	RT to 45.0 ° C
Temperature Control Accuracy	±0.2°C
Temperature Resolution	0.1°C
Maximum Number Of Sampling Points	Single sample: 16 times; Dual sample: 8 times
Sampling Volume Range	Single sample: 0.1-15ml; Double sample: 0.2-30ml

DISSOLUTION TESTER

MDS-2014DS



Speed Range	10.0-300.0RPM
RPM Deviation	≤ ±0.5RPM
Deviation Of The Rotating Shaft From The Dissolving Cup Shaft	≤ 1.5mm
Basket (paddle) Shaft Swing	≤ 0.5mm
Swing Of Rotating Basket	≤ 1.0mm
Verticality Of Basket (paddle) Shaft	90±0.5°
Verticality Of Dissolution Cup	90±1.0°

DRUG DISSOLUTION SAMPLING SYSTEM



MDS-2014



RPM Deviation	≤ ±0.5RPM
Deviation Of the Rotating Shaft From The Dissolving Cup Shaft	≤ 1.5mm
Oar (basket) Shaft Swing	≤ 0.5mm
Swing Of The Basket	≤ 1.0mm
Basket (paddle) Shaft Verticality	90±0.5°
Dissolution Cup Verticality	90±1.0°
Speed Range	10.0-300.0RPM
Sampling Volume Deviation	≤ ±0.8% (10ml)
Temperature Range	RT - 45.0° C
Temperature Control Accuracy	±0.2°C
Temperature Resolution	0.1°C
Maximum Number Of Sampling Points	Single sample: 32 times; Dual sample: 16 times
Sampling Volume Range	Single sample: 0.1~10ml; Double sample: 0.2~20ml

TRANSDERMAL DIFFUSION CELL SYSTEM



TDS-1012



Number Of Diffusion Cells	12 cells	Sampling Times	20 times
Diffusion Cell Heating Range	RT to 45.0°C	Power Supply	220Vac±10% 50/60Hz 10A
Temperature Resolution	0.1°C	Power Of The Whole Machine	500W
Temperature Control Accuracy Of Heating Block	±0.2°C	Dimensions	L975*W580*H470mm
Rotation Speed Setting Range	10-1000rpm	Weight	102Kg
RPM Resolution	0.1 rpm	Working Environment Temperature	10~30°C
Rotation Speed Accuracy	±0.5 rpm	Storage Temperature	-20~60°C
Sampling Accuracy	≤ 0.08mL	Operating Humidity	20~80% RH
Sampling Range	0.1mL ~ 10mL	Storage Humidity	5~95% RH

REAL-TIME CONSTANT TEMPERATURE DEGASSER

RTD-2010



Model	RTD-2010
Temperature Control	RT -45.0° C
Temperature Resolution	0.1°C
Temperature Control Accuracy	±2°C
Degassing Rate	1000mL/min
Power Supply	220Vac±10% 1700W
Dimensions	530x300x560mm
Operating Temperature	(5~40) °C

REAL-TIME CONSTANT TEMPERATURE DEGASSER

RTD-3000



Model	RTD-3000
Temperature Control	RT-45.0° C
Temperature Resolution	0.1°C
Temperature Control Accuracy	±0.5°C
Degassing Rate	1500ml/min
Power Supply	220Vac±10% 16A 50/60Hz 3600W
Dimensions	590x370x580mm
Operating Temperature	(5~40) °C

SCIENTZ

GENERAL EQUIPMENT

HIGH-SPEED FREEZING CENTRIFUGE

HSC-2015L



Maximum rotor capacity	24×1.5/2.0mL centrifuge tubes,4xPCR8-row tubes,12×5mL
Rotor cover type	Metal, airtight
Maximum relative centrifugal force	21.400xg(15000rpm)
Temperature control range	-10°C to 40°C
Temperature maintained at high speed	4°C
Cooling speed	<6 minutes(Cooling from room temperature to 4°C)
Time from zero to maximum speed	≤15 sec (soft off)≤45 sec(soft on)
Time from maximum speed to zero	≤15 sec(soft on)≤45sec(soft off)
Rotation speed	500-15000 in 100rpm increments
Centrifugal timing	1sec-99min59sec
Maximum Power/Rated Power	1000W/500W
Dimensions	385x608x318(mm)

It is widely used in clinical medicine, bioengineering, food safety, chemical analysis, pharmaceuticals, environmental protection, agricultural and forestry science, animal husbandry science and other fields.

HIGH-SPEED FREEZING CENTRIFUGE

HSC-3020L



Maximum speed	20000r/min(12*2ml)
Speed control accuracy	±20r/min
Maximum relative centrifugal force	27500*g(24*2ml)
Maximum capacity	4*100ml
Optional rotor	12Species (see Table 2)
Weight	60 Kg
Temperature range	-20~40°C
Temperature control accuracy	±0.5°C , ±0.1°C at maximum speed
Power supply	AC220V50/60Hz 10A
Overall Dimension	590*502*425mm
Time setting range	1s~99h59m59s
Noise	<65dB(12*2ml), <60dB(6*50ml)
Use of environmental requirements	Temperature 10°C ~30°C . Relative humidity ≤ 80%.

Rotor adapter table

Model Number	1	2	3	4	5	6	7	8	9
Maximum Speed	20000r/min	17000r/min	15000r/min	15000r/min	16000r/min	13000r/min	13000r/min	12000r/min	17000r/min
Maximum Relative Centrifugal Speed	26880*g	27500*g	24650*g	20900*g	25670*g	19370*g	18990*g	16100*g	21810*g
Rotor Name	Angular rotor								
Capacity	12*1.5/2ml	24*1.5/2ml	48*1.5/2ml	48*0.5ml	18*5ml	12*10ml	10*15ml	6*50ml	4*8*0.2ml(PCR)
Adapter	/	/	/	/	/	/	/	6*5ml 6*10ml 6*15ml	/

Model Number	10	11	12
Maximum Speed	5000r/min	5000r/min	4000r/min
Maximum Relative Centrifugal Speed	4190*g	4190*g	2020*g
Rotor Name	Horizontal rotor		
Capacity	4*100ml	16*15ml (round bottom)	2*3*96 microplate/2*96 deep-well plate
Adapter	4*50ml	/	/

ICE MAKER

XB SERIES



Adopting high-efficiency international brand compressor, mechanical rotary extrusion type ice making method, computerized control of automatic ice making, the shape of ice made is irregular and fine granular snowflake ice.

Model	Ice production kg/24h	Ice storage capacity (kg)	Input power(W)	Refrigerants	Dimension(mm)
XB-20II	20	15	240	R134a/80g	420*580*735
XB-30II	30	15	240	R134a/80g	420*580*735
XB-40II	40	15	240	R134a/80g	420*580*735
XB-50II	50	15	240	R134a/80g	420*580*735
XB-70II	70	25	420	R290/115g	600*600*830
XB-85II	85	25	420	R290/115g	600*600*830
XB-130II	130	32	480	R290/115g	600*700*830
XB-150II	150	32	480	R290/115g	600*700*830
XB-200	200	80	950	R404a/210g	560*840*1600

Ultrasonic Series
HDG
Life Sciences
Ultrasonic Cleaning
Chiller and circulator
Vacuum Freeze Drying
Drug Testing
Others