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NINGBO SCIENTZ BIOTECHNOLOGY CO., LTD.

A National High-Tech Enterprise
Top Ten Well-Known Brands of Life Science Instrument



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About us

Ningbo Scientz Biotechnology Co.,Ltd (Stock code:430685),it'a National Hi-Tech Enterprise that specialized in producing ultrasonic apparatuses and instruments that serve the needs of Scientific research ,Education,Hospital ,Pharmaceutical Industry, Environment protection , Scientz has been chosen many times of the Top ten Well-Known Brands of life SCIENTZ ,Had undertaken Important National Science&Technology Specific project of MOHC and The National Development and Reform commission ,approved by ISO9001:2008 international quality management system furthermore obtained CE ,

Scientz is the largest manufacturer of ultrasonic homogenizer in China ,As a leader worldwide

Scientz holds multiple patents for the high-pressure gene gun ,that ranks first in Asia in quality and feature Scientz series ultrasonic cleaner ,tissue grinder ,paddle blender, freeze dryer,water bath ,Gene transduction device ,Cell fusion apparatus etc all received positive feedback

Scientz it's the project of scientific instrument industrialization base of National Development and Reform Commission ,the products exported to 36 countries including France ,UK ,Russia etc

Scientz had set up offices and service centers in many cities of China ,received all the good reputation from the user



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SCIENTZ-IID Ultrasonic Homogenizer

CE : ZL200920122245.6



FEATURES

- It adopts PWM control switch power supply, and the power is continuously adjustable
- It adopts 7 inch TFT touch screen display, high resolution
- Central microcomputer centralized control
- Ultrasonic time, power arbitrary setting
- Sample temperature detection display, power display,microcomputer tracking,automatic fault alarm
- Sound Abating trap adopts sheet metal,spray plastic,ABS material,die design,with lock function

APPLICATION AREA

Life sciences: Lysis, fragmentation, leaching of bacteria, viruses, spores and other cellular structures, extraction of DNA and protein in plants and animals, pruning of DNA/RNA, chromatin immunoprecipitation technique

Materials chemistry: the dispersion and cracking of nanomaterials, such as carbon nanotubes, graphene and other materials.cracking,emulsification,homogenization and crusing of homogeneous soil, rock samples, non-ferrous metals, rare earth particles.

In addition, it can be used for the dispersion and extraction of Chinese herbal medicines. It can be used for the dispersion, homogenization and acceleration reaction of other samples, and also for sample pretreatment in chemical, medical, archaeological, geological and Marine Fields

TECHNICAL PARAMETERS

Model	Scientz-IID	Accompany	Φ6mm
Frequency	20-25KHZ automatic tracking	Optional Tip	Φ2, 3, 10mm
Power	950W (1%-99%)	Storage Data	20 groups
Display	7 inch TFT touch screen	Temperature Alarm	0-99°C
Display Content	Time、 Power、 Temperature	Alarm	Over-temperature、 Overload, and overtime
Processing Volume	0.5-600ml	Timing	0-999min
Duty Ratio	0.1-99.9%	Working Mode	Gap/Continuity

F Series Ultrasonic Homogenizer

Ultrasonic Homogenizer is ultrasonic treatment equipment specially designed for dispersing materials; it has the advantages of strong power output and good dispersion effect.

Application area: Materials chemistry: the dispersion and emulsification, and homogenization of nanomaterials, such as carbon nanotubes, graphene and other materials.

FEATURES

- With new software, central microcomputer centralized control
- It adopts Backlit and LCD large screen display
- Ultrasonic power step with 1% continuous adjustable.
- With pulse and continuous operation, and with test function
- Ultrasonic time, gap time, and total time can be accurate to 0.1 seconds.



TECHNICAL PARAMETERS

Model	Scientz-750F	Scientz-1500F	Scientz-2400F
Frequency	19.5-20.5 KHz	19.5-20.5 KHz	19.5-20.5KHz
Display	LCD	LCD	LCD
Adjustable Power Range	750W(20%-99%)	1500W(20%-99%)	2400W(20%-99%)
Optional Tip	6, 15mm	15, 25mm	No
Processing Volume	5-700ml	50-1200ml	500-5000ml
Duty Ratio	0.1-99.9%	0.1-99.9%	0.1-99.9%
Temperature Alarm	Yes (Prevent sample overheating)	Yes (Prevent sample overheating)	Yes (Prevent sample overheating)
Alarm	Time、Temperature、Overload	Time、Temperature、Overload	Time、Temperature、Overload
The Size of Power Supply Chassis	400*280*220(mm)	400*280*220(mm)	400*280*220(mm)
Standard Configuration	Generator host 1pc、Dispersing head 1pc、Sound Abating trap 1pc	Generator host 1pc、Dispersing head 1pc、Sound Abating trap 1pc	Generator host 1pc、Dispersing head 1pc、Sound Abating trap 1pc

JY-N Ultrasonic Homogenizer

ULTRASONIC HOMOGENIZER

FEATURES

- With new software, central microcomputer centralized control
- It adopts 7 inch TFT touch screen display
- Ultrasonic power step with 1% continuous adjustable.
- With pulse and continuous operation, and with test function
- Ultrasonic time, gap time, and total time can be accurate to 0.1 seconds.



JY96-IIN、JY88-IIN、JY92-IIN、JY92-IIDN Ultrasonic Homogenizer
ULTRASONIC HOMOGENIZER

TECHNICAL PARAMETERS

Model	JY96-IIN	JY88-IIN	JY92-IIN	JY92-IIDN
Frequency	20-25KHz	20-25KHz	20-25KHz	20-25KHz
Display	LCD	LCD	LCD	LCD
Adjustable Power Range	150W(5%-99%)	250W(5%-99%)	650W(1%-99%)	900W(1%-99%)
Accompany Tip (Φ)	6mm	6mm	6mm	6mm
Optional Tip (Φ)	3mm	3mm	2, 3, 10, 12, 15mm	2, 3, 10, 12, 15mm
Processing Volume	10-100ml	10-200ml	0.5-500ml	0.5-600ml
Duty Ratio	1-99%	1-99%	1-99%	0.1-99.9%
Temperature Alarm	No	No	No	0-99°C(Prevent sample overheating)
Alarm	time, overload	time, overload	time, overload	time, temperature、overload
Power Supply	220/110V 50Hz/60Hz	220/110V 50Hz/60Hz	220/110V 50Hz/60Hz	220/110V 50Hz/60Hz
The Size Of Power Supply Chassis	430*255*300mm	430*255*300mm	430*255*300mm	430*255*300mm
The Weight(The Host And Transducer)	9.3Kg	9.8Kg	14Kg	14.2Kg
The Size Of Sound Abating Trap	345*340*570mm	345*340*570mm	345*340*570mm	345*340*570mm



JY98-IIIN、JY98-IIDN、JY99-IIDN Ultrasonic Homogenizer
ULTRASONIC HOMOGENIZER

TECHNICAL PARAMETERS

Model	JY98-IIIN	JY98-IIDN	JY99-IIDN
Frequency	19.5-20.5 KHz	19.5-20.5 KHz	19.5-20.5KHz
Display	7 inch TFT touch screen	7 inch TFT touch screen	7 inch TFT touch screen
Adjustable Power Range	1200W(20%-99%)	1200W(20%-99%)	1800W(20%-99%)
Accompany Tip	20mm	20mm	25mm
Optional Tip	15, 25mm	15, 25mm	20, 28mm
Processing Volume	50-1000ml	50-1000ml	50-1200ml
Duty Ratio	1-99%	0.1-99.9%	0.1-99.9%
Temperature Alarm	No	Yes(Prevent sample overheating)	Yes (Prevent sample overheating)
Alarm	Over-temperature、overtime、overload	Over-temperature、overtime、overload	Over-temperature、overtime、overload
The Size Of Power Supply Chassis	430*255*300mm	430*255*300mm	430*255*300mm
New Weight	12.1Kg	12.1Kg	13Kg
The Size Of Sound Abating Trap	345*340*570mm	345*340*570mm	345*340*570mm
The Weight(The Host And Transducer)	14.5Kg	14.5Kg	15Kg

CUP-FORM (NON TOUCH)

ULTRASONIC HOMOGENIZER

It can be used for asepsis and ultra micro crushing, and can break the chromosomes and broken cells through the centrifuge tube. It is for the two generation sequencing DNA samples and chromatin immunoprecipitation assay sample pretreatment tailored. Compared with the traditional probe type ultrasonic homogenizer, the non-contact sample can be broken under the sealed container, no infection flying fog, the probe is not contacted with the sample, the cross contamination is avoided. It is more efficiency and safety.

A plurality of samples can be detected at once, the experiment efficiency is higher, no need to operate probes frequently, all kinds of products are in separate sealed tubes, so as to avoid cross contamination.

Optional cooling water circulation system, to facilitate the sample is in ultrasonic bath at 4 °C, energy distribution, ultrasonic effect completely. Flexible parameter setting and experimental procedure standardization, good repeatability, and high reliability results. Gradually become an indispensable standardized tool for CHIP (chromatin immunoprecipitation) and DNA shear research platforms. The experiment has high efficiency, reliable result and good repeatability. It can handle 5ul samples at least, and it is suitable for precious samples.

FEATURES

- No aerosol generation -enhance biological safety (such as Mycobacterium, virus, etc.)
- Eliminates the risk of cross contamination of samples
- Eliminates dregs phenomenon of traditional probe
- A variety of samples can be processed ,with a wide range of sample handling
- It is suitable for all kinds of standard containers
- It can process microscale samples, the minimum to 5μL
- The automatic continuous rotation of the centrifuge tube makes the ultrasonic energy distribution more uniform
- It is optional to buy low temperature water bath according to customer's demand for a variety of diameter Eppendorf tube rotating base.

TECHNICAL PARAMETERS

It is optional to buy low temperature water bath according to customer's demand for a variety of diameter

Model	Scientz98-III	Scientz08-II	Scientz08-III
Frequency	19.5-20.5KHz	28KHz±1 KHz	20KHz±1 KHz
Power	1200W(Adjustable)	1800W (Adjustable)	2200W(Adjustable)
Adjustable Power	1-99%	1-99%	1-99%
Time	1-999min	1-999min	1-999min
Duty Ratio	1 -99%	1-99%	1 -99%
Processing Volume	700ml	2L	3L
Temperature Display	Yes	Yes	Yes
Crushing Support	(0.1-2ml)*4	1-2ml*16 hole 5ml*8 hole 10-15ml*8 hole	1-2ml*32 hole 5ml*20 hole 10-15ml*17hole
Power Supply	220/110V±0.5 50Hz/60Hz	220/110V±0.5 50Hz/60Hz	220/110V±0.5 50Hz/60Hz

Eppendorf tube rotating base.

APPLICATION AREA

- DNA Fragmentation
- RNA Fragmentation
- Bacteria and cell breakdown
- ChIP assay(Chromatin immunoprecipitation)
- High throughput sequencer sample pretreatment
- Take membrane proteins
- Homogeneous emulsification reaction
- Ultrasonic treatment of precious reagents



Scientz98-III



Scientz08-II/III

TECHNICAL PARAMETERS

Tip Optional Reference

Tip Model (Dia)	Frequency	Amplitude	Power Range	Processing Volume
Φ2 1/12"	20-25KHz	300um	20-250W	0.5-5ml
Φ3 1/8"	20-25KHz	250um	30-400W	3-10ml
Φ6 1/4"	20-25KHz	220um	60-650W	10-100ml
Φ10 5/12"	20-25KHz/ 19.5-20.5KHz	150um	100-950W	100-200ml
Φ12 1/2"	20-25KHz	150um	100-950W	100-200ml
Φ15 5/8"	20-25KHz/ 19.5-20.5KHz	145um	200-950W	200-500ml
Φ18 3/4"	20-25KHz	100um	200-950W	200-500ml
Φ20 3/4"	19.5-20.5KHz	60um	400-1200W	500-1000ml
Φ25 1"	19.5-20.5KHz	40um	800-1800W	500-1200ml

Various models ultrasonic homogenizer optional parts

Titanium Alloy Tip



Specialised Broken Bottle



30ml

40ml

100ml

XHF-DY

HIGH-SPEED DISPERSATOR

TECHNICAL PARAMETERS

Power Supply	220V	The Size Of Blade	Φ10mm processing volume:3-200ml; Φ14mm processing volume:100-500ml; Φ18mm processing volume:50-1000ml
Power	360W		
Adjustable range	2800-28000rpm/min	Display	LED
Capacity	3ml-1000ml	The Weight Of The Model	6.0Kg
Timing Range	1-9.9min Adjustable	External dimensions	320*220*430mm
Ambient Temperature	-10°C-40°C	Net Weight	8Kg



S10 HIGH-SPEED HOMOGENIZER

S10 model High-speed homogenizer (alias: tissue-pounding machine, powder-dispersive machine), is suited to liquid mixing, emulsion, homogenization dispersion of solid powder in a liquid, animal tissue crushing and homogenization. The machine is designed to bring about a strong hydrodynamic shear effect by means of high-speed shear force and speedy dispersion so that the material inhaled from the rotor bottom can spray through the stator. The extruded shapes suits ergonomics. It is easy to move and operate. As minimum processing capacity can be 1ml, it is solely used for mashing organization, medical diagnostics, quality supervision, micro-dispersion, emulsification and homogenization. The device is ideal for micro-sample pre-treatment.

TECHNICAL PARAMETERS

Power Supply	220V 50/60HZ	Processing Volume	1ml-120ml
Power	160W	Accessories	10mm
Speed	8000-35000rpm/min	Total Weight	1kg
Display	LCD	Optional accessories	Working Platform, Container Clamp, Replaceable Cutter (6mm, 8mm)
Speed mode	Stepless speed		



DY89-II

GLASS HOMOGENIZER

On the principle of grinding mechanism, the system is designed to homogenize the animal and plant tissue in a soft manner, so as to get the cytoplasm and mitochondria for experiment. Applicable to biology, pharmacy, agriculture and other areas. It has the characteristics of a low speed, high torque, no noise etc.

Speed	50-2200r.p.m adjustable	Optional Accessories	1ml, 3ml, 5ml, 50ml
Maximum Power	150W	Display mode	Digital
R.P.M display	Yes	Net weight	12Kg
Accessories	10ml, 20ml each one	Packing size	345*345*710mm



SCIENTZ-T Series

ULTRASONIC EXTRACTION DETAILS

Economical & Practical Sonicator or ultrasonic extraction machine

Scientz ultrasonic homogenizer series is designed for applying a cavitation effect in a liquid by means of ultrasonic waves. It can be used to disintegrate cells of various kinds of animals and plants, viruses, bacteria, tissues as well as to reshape inorganic substances.

APPLICATION

It can also be used in emulsification, separation, distribution, collection cleaning and nano-material preparation, dispersion acceleration of chemical reactions, etc. It has wide applications in teaching, researching, and manufacturing in many fields such as biology, microbiology, physics, zoology, agriculture and pharmacology and been used by some labs



TECHNICAL PARAMETERS

Model No	Scientz-5T	Scientz-10T	Scientz-15T	Scientz-30T	Scientz-50T
Working Frequency	20-25KHz	20-25KHz	20-25KHz	20-25KHz	20-25KHz
Ultrasonic power	20-1000W	20-1200W	200-1500W	200-1800W	250-2400W
Reaction volume	5L	10L	15L	30L	50L
Tip Dia	30mm	30mm	30mm	50mm	50mm
Working voltage	220v	220v	220v	220v	220v
Ultrasonic time	0.1-99.9s	0.1-99.9s	0.1-99.9s	/	/
Interval time	0.1-99.9s	0.1-99.9s	0.1-99.9s	/	/
Full time	1-999min	1-999min	1-999min	1-999min	1-999min
Power setting	1-99%	1-99%	1-99%	1-99%	1-99%
Duty Ratio	0.1-99.9%	0.1-99.9%	0.1-99.9%	0.1-99.9%	0.1-99.9%
Real measure Tem	Yes	Yes	Yes	Yes	Yes
Mixing power	60w	60w	60w	60w	60w
Stirring speed	10-600r/min	10-600r/min	10-600r/min	10-600r/min	10-600r/min
Shelf	Stainless	Stainless	Stainless	Stainless	Stainless
Additives Volumetric flasks	Yes	Yes	Yes	Yes	Yes
Inlet/Outlet	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes	Yes/Yes
Cooling capacity	500W	800W	1200W	2250W	2250W
Cooling temperature	-5°C-room tem	-5°C-room tem	-5°C-room tem	-5°C-room tem	-5°C-room tem

SCIENTZ-12/SCIENTZ-24

SCIENTZ-24 high-throughput tissue grinder adopts 4.3" touch screen display, the parameter setting is simple and intuitive, and the operation is stable. It is capable of quickly processing multiple samples at the same time in the fields of research institutes, universities, agricultural institutes, biomedicine, and food testing Professional setting.

This product supports the extraction and purification of raw DNA, RNA and proteins including soil, plant and animal tissues / organs, bacteria, yeast, fungi, spores, paleontological specimens, etc. Supports dry grinding, wet grinding, mixed grinding and homogenization. The closed disposable centrifuge tube effectively avoids sample cross-contamination. It has the characteristics of high repeat ability, good uniformity and sufficient grinding.

FEATURES

- Supports placing the centrifuge tube directly in the adapter, and directly pre-freezing the centrifuge tube
- The grinding process is completely closed, and the samples move independently to avoid cross-contamination
- Built-in program controller, simple and convenient parameter setting
- Using silent design to reduce interference to the surrounding environment
- Equipped with a safety door lock, with the protection function of opening and stopping the stall, with high safety
- Vertical vibration, more sufficient grinding, excellent consistency for multiple grinding of the same sample
- Quick grinding of 24 samples in a short time

TECHNICAL PARAMETERS

Model	SCIENTZ-24	Frequency Setting	500-2500rpm
Power	220v/50Hz	Jig Distance	20mm(vertical)
Rate Power	180W	Sample Capacity	24 holes for 2ml adapter
Time Setting	1-9999s	Display	4.3 inch TFT touch
Protection	open cover protection, emergency braking function		
Model	SCIENTZ-12		
Power	220v/50Hz		
Rate Power	100W		
Time Setting	1-9999s		
Speed setting	500-2100 rpm		
Data storage	can store 50 sets of data		
Fixture stoke	40mm (vertical)		
Sample capacity	Standard: 12ml 2ml adapter Optional: 6 holes for 5ml adapter Optional: 10ml, 15ml, 25ml, 50ml grinding tank Optional: Freezing adapter.		
Grinding method	wet grinding, dry grinding, pre-freezing grinding		
Grinding beads	φ3mm 316L steel balls (100 pieces) φ6mm 304 steel balls (100 pieces),Optional zirconia beads		
Display	4.3 inch touch screen		
Protection	open cover protection, emergency braking function		
Dimensions	225mm × 275mm × 350mm (length x width x height)		
Weight	≤12KG		
Power	220V / 50Hz		



SCIENTZ-48

HIGH-THROUGHPUT TISSUE GRINDER

TECHNICAL PARAMETERS

Power Supply	220V/50Hz
Rated Power	180W
Timing	1s-9999s
Frequency Setting	10-70Hz,300-2100times/min
Clamp Stroke	34mm(vertical)
Sample Capacity	2ml Adaptor 48hole,5ml Adaptor12 hole
Display	7inch TFT Touch Screen
Protection	Open lid protection, Emergency braking function
Dimension	L369*W360*H520mm
Accompany accessories: 500pcs 3mm stainless steel ball and 500pcs 6mm stainless steel ball	



Patent Number: ZL200420019738.4

Laboratory Paddle Blenders

Germfree Homogenizer, also known as flap homogenizer, is widely used in the homogenization treatment for animal tissue and biological samples, also used for the following testing areas: food, pharmaceutical ,cosmetics, clinics molecule, toxin and bacteria, particularly suitable for preparation of micro-organism testing samples. The device is made

Of stainless steel and can effectively separate the surface of solid sample from a sample with germs inside.The samples are packed in germfree disposable homogenization bags, and thus is in no contact with any parts of the instrument. It has such feature as soft homogenization, no pollution,no damage,no temperature-rise,no sterilizing treatment, no need to wash the utensils. so as to meet the requirements for being fast, accurate and repeatable. This product is also suitable for homogenizing tumor tissues(such as liver, intestines cancer, stomach cancer, breast cancer) not only can to obtain large numbers of single cells(2x105 within 2 minutes) but also crush tissues cells (such as liver cells)more gently.



TECHNICAL PARAMETERS

Model	Scientz-04	Scientz-09	Scientz-11L
Timing	30、180、600s(continuous working Turn)	0.1 ~ 99min(to 0.1mins step)	
Rap Speed	6-9 time/Sec	3~12times/Sec(to 0.1minutes step)Display the actual rattling number, the system	
Capacity	3-400ml	3-400ml	3-400ml
Ratting Box	Stainless Steel	Stainless Steel	Stainless Steel
Parameter storage	NO	1More than 10 groups of multi-stage programming	More than 10 groups of multi-stage programming
Power	300W	300W	500W
Display	LCD	Digital	LCD
Temperature control	NO	NO	Room temperature--50 °C to set, temperature display
UV Disinfection	NO	NO	YES
Sterile bag	17*30cm	17*30cm	17*30cm
Net Weight	22.5Kg	18.5Kg	18.5Kg
Protection Device	With auto-stop anti-trap feature, Removable windows and adjustable slap board, toughened glass security door		
Dimensions	400*420*260mm	420*245*340mm	420*245*340mm

JG-IA ULTRA HIGH PRESSURE HOMOGENIZER

PROCESSOR CELLPRESS

PATENT NUMBER: ZL200910099490.4

The highest pressure of JG-IA is 256Mpa (37120PSi), which can satisfy many cell wall breaking and nano homogenization / dispersion of sample, and realize effective temperature control at the same time

- Continuously adjustable pressure, 0-37,120 psi
- Simple operation, continuous circulation of sample, no exhaust, directly feed
- Physical methods crushing to avoid external pollution
- Convenient maintenance
- The safety factor is high, and the circuit has overload automatic protection function
- Many kinds of cell walls and samples are satisfied, and no specific for samples



FEATURES

E. coli and yeast broken, animal and plant cells broken, the crushing rate of more than 95% one time

Yeast / Ganoderma lucidum spore and other fungi broken; cyanobacteria / green algae and other algae broken;

It can be homogeneous emulsions, liposomes, microemulsions, solid and liquid suspensions up to 100nm, with uniform particle size distribution.

TECHNICAL PARAMETERS

Model	JG-IA	Capacity	Max 50ml/time, Continuous increase samples
Power Supply	380V	Max pressure	256Mpa(37120PSi)
Pressure device	Hydraulic System	Max pressure stroke	170mm
Sample tube	Stainless steel	Pressure plate speed	6.8mm/s
Pressure tank size	Φ25*150mm	Dimensions	555*600*1170mm

SCIENTZ-150 High Pressure Homogenizer

HIGH PROCESSOR HOMOGENIZER

Patent Number: ZL200910099490.4

HIGH PRESSURE HOMOGENIZER 8435 High pressure homogenizer using the material in the special role of plunger into the valve which it is adjustable pressure, after a certain width limiting slot (work area), transient voltage loss of material at high velocity (1000-1500 M / sec)...

TECHNICAL PARAMETERS

Maximum working pressure	1200bar/120Mpa/17400PSi
Maximum design pressure	1500bar/150Mpa/21750PSi
Maximum capacity	12L/h, 25L/h two models machine
Minimum capacity	30ml
Cooling	Built-in cooler
Motor Power	1.5KW/380V/50Hz
Dimensions	L800*W460*H450mm
Weight	120Kg



NOTE: For emulsification a ball valve is suggested, while for crushing, an impingement valve is desirable. The low-temperature cooling circulation system is suggested for choice.

SCIENTZ-207A High pressure homogenizer

Scientz-207A EHV Homogenizer Uses the high-pressure energy generated by the servo motor power to release the material instantaneously through the slits to break, homogenize and emulsify the material under the action of high shear, cavitation and collision effects, Decentralized effect, and maintain a constant pressure working condition. Material particle size can be uniformly refined to 100nm or less, the fragmentation rate of more than 95%, can be used for fat emulsion, liposomes, cosmetics, lipid nanoparticles, nano suspension, fermenter sample processing, and bioengineering laboratory, medicine Plant and other large-scale processing of E. coli, yeast and other samples of the broken, biological engineering and bio-pharmaceutical industries such as R & D and production of standard equipment can also be used for dairy products, food and beverage, fruit juice, pharmaceuticals, biological and other industries for emulsification, Homogenization treatment. The machine has a built-in cooling circulation system, which directly cools the homogenized head. All materials contacting the material pipe are 316L stainless steel. And the optional homogeneous valve, the product has the pressure, small size, light weight, easy to operate, intuitive display, high efficiency, a large sample size and so on. Has applied for invention patents and utility model patents.



FEATURES

- The design of homogeneous pressure 0~207Mpa arbitrarily adjustable to meet nano-pharmaceutical customer needs;
- The minimum sample handling capacity 15ml;
- The key components used in Germany, Japan imported, long service life;
- The host power used in Japan imported servo motor to provide power, stable and reliable performance, long service life.
- All the materials in contact with the material with 316L stainless steel, the pipe part of the mirror effect of polishing to prevent the sample residue; in line with food and drug requirements
- Automatic injection, continuous work, no exhaust;
- Using physical homogenization method, no material residue;
- With seals removal special tools to facilitate replacement;
- Simple operation, maintenance services more convenient, cost-effective;
- Pressure, temperature sensors using the German brand pressure sensor optional thermostat bath
- Built-in cooler configuration cooler, do not consume materials, control homogeneous temperature
- Historical data storage, query
- With temperature alarm and automatic protection
- Real-time pressure and temperature curve display

TECHNICAL PARAMETERS

The maximum working pressure	1800bar / 180Mpa / 26100psi pressure adjustable
The maximum design pressure	2070bar / 207Mpa / 30015psi
Maximum processing capacity	15 L / H (250ml / min)
Minimum capacity	15ml
Material residue 0ml	No(0ml No residue)
Motor power	3.0Kw / 380V / 50Hz
Dimensions	L1070*W340*H460mm
Weight	100KG
Maximum feed particles	100 microns
Flow control Inverter control	Adjustable flow
Display	Using PLC control and 7" touch display



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