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Технические характеристики

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High-speed homogenizers are widely used in laboratories and industrial production, primarily for efficiently dispersing, emulsifying, and homogenizing liquid samples. They utilize the shear force and cavitation effect between the high-speed rotating rotor and stator to break up droplets or particles, achieving a uniform mixture.



[Portable high-speed homogenizer S10](#)

Model: S10, parameters: power 160W, speed 8000-35000r/min, speed display OLED, speed regulation 28 gears, processing volume 1ml-120ml, whole machine weight 1KG, standard Φ 10mm tool, processing volume 30-120ml.

model	S10
power	160W
power supply	220V 50/60Hz
Speed	8000-35000r/min
Speed display mode	OLED
Speed regulation mode	28 speed adjustment
Processing capacity	1ml-120ml
Machine weight	1kg
Tool parameters	Standard Φ 10mm processing volume 30-120ml
	Optional Φ 8mm processing volume 2-50ml; Φ 6mm processing volume 1-10ml



[Fully automatic homogenizer SCIENTZ-32](#)

Model: SCIENTZ-32, parameters: sample processing volume 10~200ml, maximum throughput 32, maximum processing viscosity 5000mPa·s, speed deviation 1%, organic solvent cleaning, average speed adjustable 3000~36000rpm.

model	SCIENTZ-32
Machine power	Less than 1000w
Sample processing capacity	10~200ml
Maximum flux	32
Maximum viscosity	5000mPa·s
Homogenizing speed	3000~36000rpm adjustable
Speed deviation	1%
Three cleaning methods	organic solvents
Automatic wastewater discharge	water
	Ultrasonic cleaning spray
Observation window	Built-in LED light, the whole experiment process is visible
Sample capacity and specifications	Randomly configured sample rack specifications: 10ml 32 holes; 50ml 16 holes; 100ml 10 holes
	Optional sample rack specifications: 30ml 16 holes; 150ml 10 holes; 200ml

	8 holes
Auxiliary exhaust function	With active exhaust system
Optional bracket	Can be equipped with various test tube and centrifuge tube holders
Blade specifications	10x195mm flat bottom mechanical cutter head
	19x195mm flat bottom mechanical cutter head
Homogeneous strength	The cutter head automatically adjusts the upper and lower distances to enhance the homogenization effect
Sample tray equipped	Use turntable sample tray to reduce the risk of cross contamination
Security	With free protection, adjustment and alarm functions
Screen	7-inch industrial-grade touch screen



[High-speed disperser XHF-DY](#)

Model: XHF-DY, parameters: speed range 2800-28000r/min, capacity 3ml-2000ml, adjustable from 1 to 9.9min, standard Φ 18mm cutter head, processing capacity 50-1000ml.

model	XHF-DY
Voltage	220V
Speed range	2800-28000rpm
capacity	3ml-2000ml

Timing range	1-9.9min adjustable
Ambient temperature	-10°C-40°C
Tool size	Standard configuration: Φ18mm, processing volume 50-1000ml
	Optional: Φ10mm processing volume 3-200ml;
	Φ14mm processing volume 50-500ml;
	Φ25mm Processing capacity 100-2000ml
Display Mode	LCD
Dimensions	330×235×522mm
net weight	8kg



[Four-channel high-speed disperser homogenizer SCIENTZ-60](#)

Model: SCIENTZ-60, Parameters: Maximum processing viscosity 5000mPas,

model	SCIENTZ-60		
Sample processing capacity	60 tubes/batch (10/15ml round bottom centrifuge tubes) (optional)	Alarm function	Screen prompts and beeps
	44 pieces/batch (50ml stand-up centrifuge tubes) (standard)	Data download and upload port	USB

	32 pieces/batch (100ml round centrifuge tubes with graduations) (optional)	Equipment safety emergency stop mode	Emergency stop switch
	24 pcs/batch (200/250ml plastic centrifuge bottles) (optional)	Software upgrade method	USB Download
Liquid addition method	Peristaltic pump dosing	Maximum viscosity	5000mPas
Drainage method	Electric ball valve drain	Power supply	AC220V/50Hz
Peristaltic pump flow	1.7L/min	Maximum power of equipment operation	2000W
Motion mechanism drive	86 closed-loop stepper driver	Homogenizing motor speed regulation mode	Variable frequency speed regulation
Motion mechanism motor	86 type stepper motor	Homogenizing motor speed range	10000-36000r/min
Equipment control method	7-inch industrial-grade touch screen + PLC control	Homogenizing motor cooling method	Water cooling
Homogenizer motor	Power 300W, maximum speed 36000r/min	Homogenizing tool specifications	10×195mm or 19×195mm

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