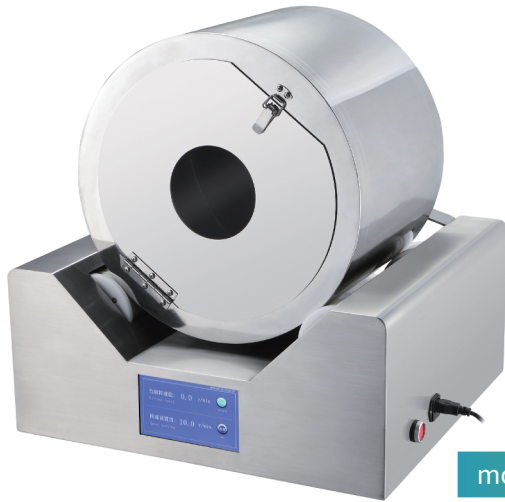


Introduction to clean fabric dusting test bench



model: SX-Z

The SX-Z Hamick drum is used to measure the amount of particulate matter emitted by clean fabrics during simulated motion. This motion involves the fabric in a dry state being flipped inside a rotating drum. Within a specified time, a certain amount of samples is taken to measure the quantity or concentration of particulate matter emitted by the fabric. The measured value is then compared with the standard grade to determine the fabric's cleanliness level.

The principle of the test bench is based on the American Society for Environmental Science and Technology standard "IEST-RP-CC003.5" and "Clothing Elements for Clean Rooms and Other Controlled Environments", using the Hammett drum mode.

merit

- Provide a complete verification manual to facilitate compliance with pharmaceutical/electronic specifications
- Built-in thermal printer can print or query in real time
- Reduce operator error, perform long-term data archiving, and support long-term data storage
- Clean service testing, environmental monitoring
- Audit tracking, personnel operation record storage
- Sampling areas and grade standards can be preset
- GMP, ISO 14644.1 cleanliness standard judgment
- It was verified according to JJF 1190-2008 and GB/T 6167-2007
- 7-inch touch screen, simplified operation
- GB/T 24249-2009 Anti-static clean fabric
- IEST-RP-CC003.5 Clothing systems for clean rooms and other controlled environments

function

- Sampling flow rate: 28.3L/min $\pm 5\%$ (1 CFM)
- Particle size distribution error: $\pm 30\%$ FS
- Error of indicated concentration: $\pm 30\%$ FS
- Self-cleaning time: less than 10min
- Relative error of repeatability: less than or equal to 10%FS
- Complies with GMP static, GMP dynamic and ISO14644-1 standards
- Sampling concentration: 35,000 particles/l
- 5000 stored data
- Roller speed: 1~20rpm adjustable

apply

- Cleanliness testing of clean room (area)
- Daily maintenance and monitoring of clean rooms in electronics plants and pharmaceutical factories
- Measurement of airborne particles
- Clean service cleanliness level test

Introduction to clean fabric dusting test bench

parameter

model	SX-Z
Roller speed	1~20rpm adjustable
Counter model	SX-L310T
Sampling flow	28.3L/min $\pm 5\%$ (1.0 CFM)
Particle size channel	0.3 μm , 0.5 μm , 1.0 μm , 3.0 μm , 5.0 μm , 10.0 μm
laser light source	laser diode
Imported fan	Continuous operation is stable, energy saving and environmental protection
Verification criteria	JJF 1190-2008, GB/T 6167-2007
Relative error of repeatability	$\leq 10\%FS$
Particle size distribution error	$\leq \pm 30\%$
Particle concentration indication error	$\leq \pm 30\%FS$
Maximum sampling concentration	35,000 particles /L
Self-cleaning time	$\leq 10\text{min}$ (counting is zero for 3 consecutive times within 10 minutes, 95% confidence)
Dwell time	User set (1~14400 seconds)
Sampling delay	User set (1~255 seconds)
Number of sampling points	2~50
Number of samples (location)	2~50
Operate time	The continuous test time is 6 hours with full charge
Video display	Color 7-inch touch screen
Print mode	Built-in thermal printer
Charge power supply	Communication (220V/50Hz)
Built-in lithium battery	直流14.8V 36Ah
Charging adapter	Input 100V-240V 2.5A, output 16.8V 5A
Battery charging time	6 to 8 hours
Air cleanliness grade determination standard	ISO 14644.1, GMP dynamic, GMP static
Standards for judging clean clothes	GB/T 2429 Anti-static clean fabric
Data communication interface	USB
Environment	Usage environment: temperature 0~40°C relative humidity 10~70%RH
	Storage environment: temperature-30~45°C relative humidity 0~90%RH
Roller external dimensions	Length 570 x width 520 x height 600 (mm)
Counter dimensions	Length 315 x width 320 x height 310 (mm)
Material quality	SUS304 stainless steel
Power	$\leq 0.5KW$
Total weight	$\leq 50kg$



Suzhou Suxin Environmental Technology Co., LTD



One-to-one service



Quality three guarantees



factory direct sale