Customer distribution

Algeria	Greece	Pakistan	Spain
Brazil	Hong Kong	Panama	Taiwan
Canada	India	Peru	Thailand
China	Indonesia	Romania	The Philippines
Chile	Italy	Russia	Turkey
Colombia	Japan	Saudi Arabia	UAE
Egypt	Malaysia	Slovakia	United Kingdom
Ethiopia	Mexico	South Africa	USA
France	Mongolia	South Korea	Uzbekistan
Germany	Nicaragua	Switzerland	Vietnam

世尘科技
SCINCE PURGE

Chosen by Over 40 Countries & Regions and 1000+ Customers

ISO 9001 ZWJM

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Air Filtration Testing Equipment

SCPUR: Advanced Testing Solutions -- Stability, Convenience, Practicality, Upgrades, and Reliability

Factory, R&D department in Suzhou

Our advantages

- 20+ years of experience in air filtration testing industry
- 10+ patents of filtration testing equipment
- Independent software and hardware R&D capabilities
- Considerate after-sales guarantee
- Continuous product improvement based on ues experince
- Core component manufacturing capability

Certificates

CE certificate and patent certificate

Cooperative customers

Italian Filter	UAE Filter	UAE Filter	Mexico Filter	Non-woven fabric
India Non woven filter media	Thailand Automotive filters	Thailand Filter	Spain Filter	The world's top three household goods
UK Medical Filter	Top 100 universities in the world	Turkey Filter media manufacturer	China Filter media manufacturer	South Korea Filter manufacturer
Slovakia 50 years in filtration 3rd generations	Brazil Filter manufacturer for two generations	Hong Kong Nanometer material	China Household appliance manufacturer	Russia HEPA filter manufacturer
China Famous filter media manufacturer		Hong Kong Air filter manufacturer	German HEPA & ULPA filter manufacturer	Russia Labor protection respirator

Filter media and respirator testing equipment

- Glass fiber
- Meltblown nowoven
- Static nonwoven
- Synthetic fiber
- PTFE
- Electrostatic cotton
- Paper
- Nano fiber
- Natural fiber, etc.

Filter elements testing equipment

- Coarse filter
- HVAC filters
- Bag filter
- Medium filter
- Industrial air filters
- Panel filter
- Fine filter
- Cabin air filters
- V-bank filter
- EPA filter
- Cleanroom fitration
- Disposal pleated filter
- HEPA & ULPA
- Vacuum cleaner filters
- Cartridge filter, etc.

Mask (respirator) testing equipment

- Medical face mask
- KN/KP 90/95/100
- Half-face mask
- Disposal mask
- FFP 1/2/3
- Full-face mask
- N/P/R 95/99/100
- KF 80/94/99
- Exhalation valve, etc.

Clean room testing equipment

ISO 14644, GMP

Air cleanliness, particle concentration, planktonic bacteria, air volume, etc.

SC-FT-1406D-Pro series

Automatic Filter Tester

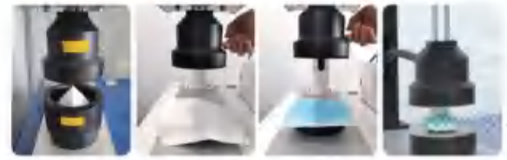
Test indexes:

Initial filter efficiency, resistance (pressure drop).

Standard:

NIOSH 42 CFR Part 84, EN 149, EN 14683,
ASTM F2100, ASTM F3502,
GB 2626, GB/T 32610, GB 19083, etc.

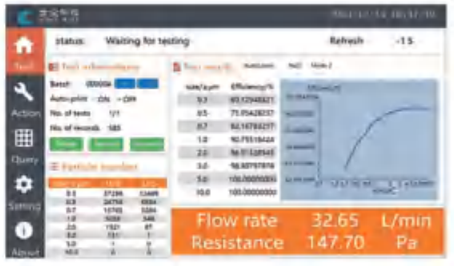
Applications:



Model	Filter efficiency range	Particle counter	Applications
SC-FT-1406D-Pro	0~99.99%@0.3μm	0.3~10μm, 8 channels	Filter media, medical face mask, protective mask, etc
SC-FT-1406DH-Pro	0~99.9999%@0.3μm	U/S 0.3~10μm, 8 channels D/S 0.2~10μm, 8 channels	N100/P100 respirator, HEPA filter media
SC-FT-1406DU-Pro	90~99.999999%@MPPS or 99~99.9999995%@MPPS	0.1~1.0μm, 8 channels	HEPA & ULPA filter media

Technical parameters:

Flow rate	0~99 L/min, ±2%F · S
Differential pressure	0~1000 Pa, ±1%F · S
Test aerosol	NaCl, DEHS or paraffin oil
Test aera	100 cm²
Test period	45s, adjustable
Dimensions	750mm × 750mm × 1500mm



Multiple standards in one equipment

ISO 16890, ASHRAE 52.2, EN 779, etc.

SC-7013 Manual scanning test system

Portable Manual Scanning Tester for HEPA Leak Detection.
Suitable for overall efficiency testers.
Can be used standalone in fixed ducts.

SC-7099

Air Filtration Performance Test System

Technical Parameters:

Air flow rate	150~1500m³/h 500~4500m³/h
Particle counters	SC-C310F, 8channels, 0.3~10.0um TSI 3330, 13channels, 0.3~10.0um (optional)
Pressure	0~500 Pa
Aerosol generator	Oil generator: SC-1809 DEHS KCl generator: SC-169 (Optional)
Dust feeder	SC-189 ISO 12103 A2, A4, ASHRAE 52.2 dust
Filter size	<750mmx610mm(LxW) <ϕ455mm; length, <800mm
Dimensions	3350×1200×1900mm 4500×1700×1900mm

SC-16890

General Ventilation Air Filter Test System

Test Indexes:

ISO 16890;
Initial resistance;
Dust holding capacity;
Arrestance vs. dust load;
ePM1.0, ePM2.5, ePM10;
Air flow vs. pressure drop;
Differential pressure vs. dust load;
Initial arrestance and mean arrestance.

Technical Parameters:

Air flow rate	300~5400m³/h
Pressure	0~1000 Pa
Test aerosol	DEHS, KCl
Dust	ISO 12103 A2, A4, ASHRAE 52.2 dust
Filter size	<610mmx610mm(LxW) <ϕ400mm; length, <1100mm
Particle counters	TSI 3330, 13channels, 0.3~10.0um
Dimensions	16m×3m×3m

HEPA & ULPA filters test system

Applications:

Panel filter, V-bank filter, cartridge and irregular filters can be tested.

SC-185 HEPA overall chamber

For HEPA filters not suitable for flat-plane scanning
Compatible with automatic scanning test system.

SC-13011

Small Filter Tester

Test Indexes:

Filter efficiency, resistance (pressure differential), resistance as a function of the air flow rate.

Technical Parameters:

Items	Parameters
Air volume flow rate	50~120 m³/h, support customization
Pressure differential	0~500 Pa, 0~1000 Pa, 0~3000 Pa
Aerosol	DEHS
Filter efficiency size	45%~99.995%@0.3 μm
Tested filter size	≤20cm × 20cm × 14cm
Dimensions	750mm × 800mm × 1750mm

SC-L8023/8023U

Automatic Scanning Test System

Standards:

ISO 29463-4/-5, EN 1822-4/-5.

Test Indexes:

Leakage detection by scan method, local efficiency, average efficiency, pressure drop, pressure drop vs. air flow rate.

Technical Parameters:

Items	SC-L8023	SC-L8023U
Test aerosol	DEHS	
Air flow rate	500~4500 m³/h, ±5%	
Pressure	0~1000 Pa	
Filter efficiency	65%~99.999%	85%~99.9999995%
Filter classes	F6~F9, H10~H14	H10~H14, U15~U17
Particle counters	SC-310S, 0.3 μm	Lighthouse 1104, 0.1 μm
Filter size	Max.1260mm × 1260mm, customized	
Probe size	66 mm × 15 mm	
Test period (610 × 610mm)	5min	8min

SC-5011

Air Intake Filter Test System

Standard:

ISO 5011.

Technical Parameters:

Items	Parameters
Flow rate	500~4800 m^3/h, support customization
Pressure differential	0~10000 Pa, available within the range
Test aerosol	ISO 12103 A2,A4 dust, DEHS(Optional)
Testable	Filter & Filter Assembly
Dimensions	6500mm × 3500mm × 1800mm

SC-RT-1202P

Resistance and Air Permeability Tester

Test indexes:

Resistance and air permeability.

Technical Parameters:

Items	Parameters
Air volume flow rate	0~120 L/min, ±2%
Test area of resistance	100 cm^2
Test area of air permeability	100 cm^2, 50 cm^2, 38.3 cm^2, 20 cm^2
Unit of test results	cm/s, $L/(m^2 \cdot s)$
Dimensions	630mm×220mm×710mm(exclude pump)

Standard:

GB/T 5453, ASTM D737, ASTM D3574, ISO 9237, etc.

SC-MBT-2032

Portable Filtration Tester

Test Indexes:

Filter efficiency, resistance.

Technical Parameters:

Items	Parameters
Test flow	32 L/min, 85 L/min, 95 L/min
Test area	100 cm^2, adapters can be customized
Differential pressure	0~500 Pa, ±1%F · S
Test aerosol	particulate in the air
Dimensions	320mm×250mm×360mm

SC-RT-1703GB/KR/EN

Respirator Ex&Inhalation Resistance Tester

Test indexes:

Exhalation resistance and inhalation resistance.

Technical Parameters:

Items	SC-RT-1703GB	SC-RT-1703KR	SC-RT-1703EN
Standard	NIOSH 42 CFR 84, GB 2626	Korean standard	EN 149
Test flow	85/85(L/min), 45/45(L/min)	30/30(L/min)	30/95(L/min),160 L/min
Dummy head	GB adult and children	Korean standard	Sheffield dummy head

SC-RT-N1704

Respirator Valve Air Tightness Tester

Technical Parameters:

Test flow	0~100 mL/min, ±1%
Differential pressure	0~500 Pa, ±1%
Volume of chamber	5L
Dimensions	320mm × 250mm × 250mm

Test indexes:

Leakage air flow test of the exhalation valve.

Standard:

GB 2626-2019, NIOSH 42 CFR PART 84.

SC-MT-1603/1603EN

Portable Mask Tester

Technical Parameters:

Test flow	adjustable, max is 95 L/min
Sampling preriod	adjustable, default is 30s
Test aerosol	particulate in the air
Dimensions	340mm × 270mm × 150mm

Test indexes:

Filter efficiency, protective effect, inward leakage, total inward leakage, inhalation resistance, air flow resistance.

Test indexes:

Differential pressure (ΔP).

Standard:

EN 14683, ASTM F2100, YY 0469, YY/T 0969.

SC-RT-1202YY

Medical Face Mask Differential Pressure Tester

Technical Parameters:

Test flow	(8 ± 0.2) L/min
Test area	4.9 cm^2
(ΔP)	0~100 Pa/cm^2
Dimensions	320mm × 250mm × 300mm

SC-C301/C310
Laser Particle Counter

Test indexes:

The number and size distribution of particulates.

According to:

ISO 14644, GMP.

Technical Parameters:

Model	SC-C301	SC-C310
Sampling flow (L/min)	2.83	28.3
Sampling channel	0.3, 0.5, 1.0, 3.0, 5.0, 10.0 μm	

Y09-3016
Handheld Particle Counter

Test indexes:

Can simultaneously measure the number of dust particles with multiple particle sizes by one sampling.

Technical Parameters:

Sampling flow	2.83 L/min (0.1 ft³)
Particle size channel	6 channels, 0.3 0.5 1.0 3.0 5.0 10.0 μm
Smapling period	1~10000s
Dimensions	230mm × 130mm × 45mm

SC-3016
Laser Particle Counter Online Monitoring System

Test indexes:

Used for real-time monitoring of dust particle concentration (standard configuration), temperature and humidity, pressure difference and wind speed (optional configuration) at each monitoring point in the clean room.

Technical Parameters:

Sampling flow	2.83 L/min
Particle size channel	6 channels, 0.3 0.5 1.0 3.0 5.0 10.0 μm
Smapling period	1~10000s

SC-FLY01
Air-Volume with Capture Hoods

Test indexes:

Air volume detection of single air outlet or multi-air outlet.

Technical Parameters:

Air volume	150~5000 m/h², ±5% F · S
Captuer hoo size	570 × 570mm, 830 × 830mm, support customization

Filter Type	Standard Number	Aerosol
General ventilation air filter	ISO 16890	KCl/Oil/Dust
	EN 779	DEHS/Dust
	ASHRAE 52.2	KCl/Dust
	ISO 29464	DEHS/KCl
	ISO 29462	Oil
	GB/T 14295	KCl/Dust
HEPA-ULPA filter media	ISO 29463-3	Oil
	IEST RP-CC021.3	Oil
HEPA-ULPA filter element	ISO 29463	Oil
	EN 1822	Oil
	IEST RP-CC001	Oil
	IEST RP-CC007	Oil
	IEST RP-CC0034	Oil
	GB/T 6165	NaCl/Oil
	GB/T 13554	NaCl/KCl/Oil
Gas turbine filter	ISO 29461	KCl/Oil/Dust or DEHS
Respirator	ISO 16900	NaCl/Oil
	NIOSH 42 CFR PART 84	NaCl/Oil
	EN 149/EN 143	NaCl/Oil/Dust
	GB 2626	NaCl/Oil
	GB/T 32610	NaCl/Oil
Automotive cabin air	ISO/TS 11155-1	KCl/Dust
	ISO/TS 11155-2	Gaseous
	DIN 71460-1	Dust
Automotive engine intake	ISO 5011	Dust
	ISO 19713	KCl
	GB/T 32085	Dust/Gaseous
Filter for compressed air	ISO 12500	Oil/Dust/KCl/NaCl
Vacuum cleaner	ASTM F 3150	Oil/KCl
	ASTM F 1977	KCl
	IEC/EN 60312	Dust
	IEC/EN 60335-2-69	NaCl/Oil/Dust
Robotic vacuum	IEC/ASTM 62885-7	——
	IEC 63327	——
Crankcase ventilation	ISO 20564	Oil
Air cleaner	AHAM AC-1	Dust
	GB/T 18801	Dust/Gaseous
Cleanable filters	ISO 11057	Dust
	ASTM D 6830	Dust
	GB/T 6719	Dust
	VDI 3926	Dust
Breathing system filters	ISO 23328-1	NaCl
	YY/T 0753	NaCl