

Engineered for Laser Marking Environments

A fume extractor ensures a safer, cleaner, and more compliant workplace during laser marking operations.

FEATURES

- 1 High-Efficiency Fume Capture**
Effectively extracts and filters smoke, dust, and hazardous fumes generated during laser marking, ensuring a cleaner and safer production environment.
- 2 HEPA & Gas combined filters**
Filter efficiency $\geq 99.99\%$ @0.3 micron
- 3 Real Time Display**
Easy-to-read panel provides real-time monitoring of system status, airflow, and filter life, with automatic alerts for filter replacement—keeping your line running smoothly.
- 4 Quiet & Reliable Operation**
Advanced brushless fan system delivers powerful airflow with minimal noise, supporting uninterrupted production and a comfortable workspace.
- 5 Flexible Integration**
Rear air inlet and customizable outlet options allow simple connection to laser marking machines and production lines, adapting to various industrial setups.
- 6 Durable, Low-Maintenance Design**
Built with industrial-grade materials for long service life and reduced maintenance, featuring robust electrical safety and easy mobility for shifting production needs.



SPECIFICATIONS

Type	LSE-9000
Power	100 W
Voltage	220-240V/ 50Hz
Noise Level	≤ 66 dB*
Airflow	400m ³ /h
Max. Air Pressure	9600 Pa
Filter area	1.4m ² approx.
Filter efficiency	$\geq 99.99\%$ @0.3 micron
Dimensions (HxWxD)	1053 x 550 x 561 mm
Cabinet Material	Brushed Stainless Steel / Powder coated mild steel
Weight	68kg
Certifications	CE, FCC, RoHS

SALES INQUIRY



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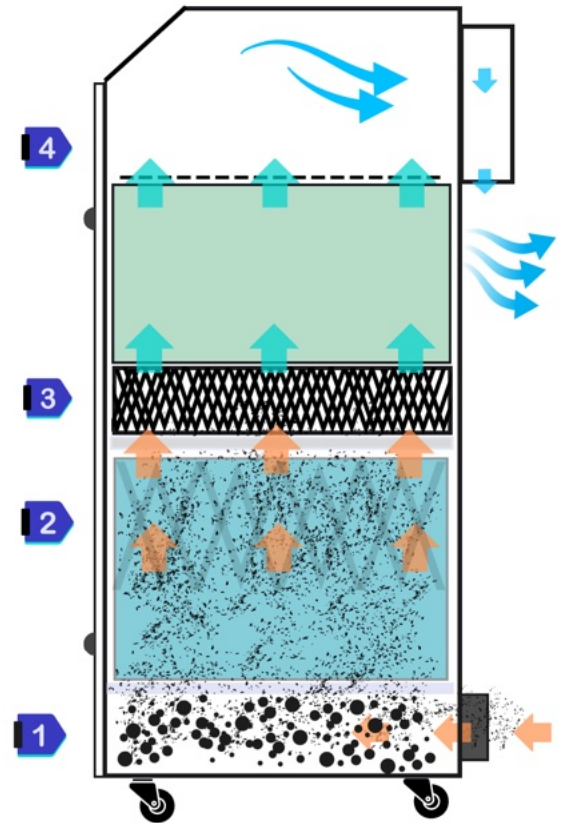
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FILTRATION SYSTEM

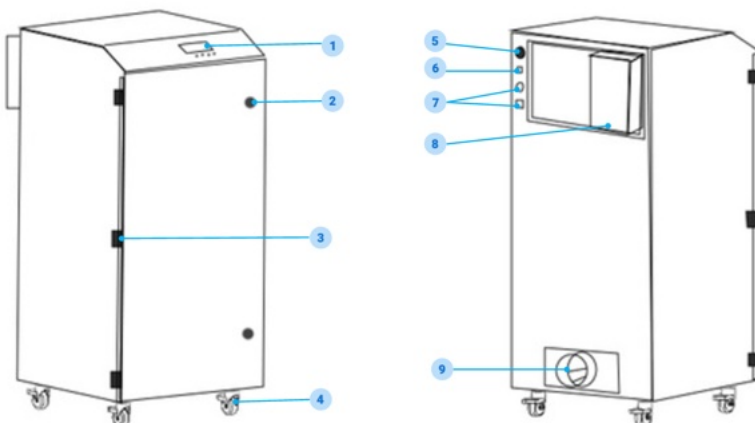
- 1 Contaminated air is drawn into the unit, where large particles settle at the bottom of the lower chamber (pre-filter).
- 2 As the air flows upward, airflow expansion reduces velocity, allowing finer particles to be removed more effectively. Medium-sized particles are captured by high-efficiency filter media.
- 3 Fine particulates and allergens are captured by the HEPA filter, ensuring superior air purity.
- 4 Clean air is then released through the outlet, providing a healthier indoor environment.

FILTER SPECIFICATIONS

Pre-filter	Glass Fiber
Filter Efficiency	F8 Class Filter (95% @ 0.95 micron) Size : 450 x 450 mm
HEPA filter media	Glass Fiber
Filter Efficiency	H14 Class HEPA Filter for screening smaller particles (99.97% @0.3 micron). Size : 403 x 404 x 50mm
Carbon Filter	Size: 410 x 410 x 140 mm



EXTERNAL COMPONENTS



- 1 Control & Graphic Display Panel
- 2 Secure Door Lock
- 3 Durable Hinges
- 4 Mobility Caster
- 5 Main Power Switch
- 6 Remote control Signal Port
- 7 Power Cable
- 8 Air Outlet
- 9 Air Inlet