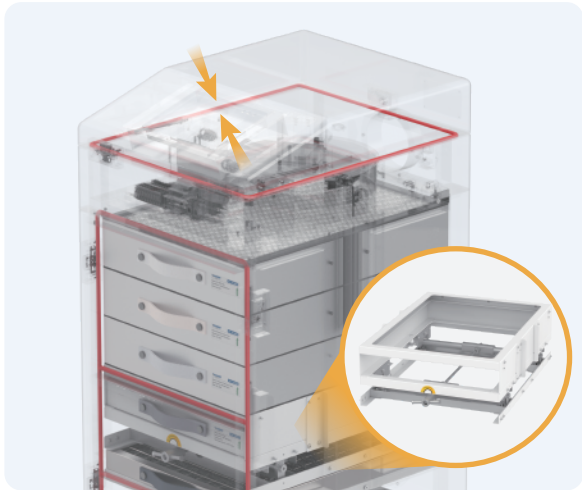
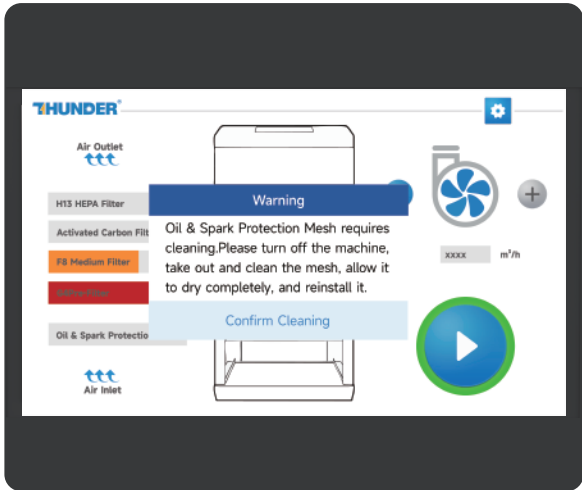




All-Round Safety Guard

The system integrates fire-retardant SS protection, a fully sealed enclosure, and damping modules to suppress ignition, prevent exhaust leakage, and minimize vibration for safer operation.

- 99.99% Spark Interception
- <0.01% Exhaust Leakage
- Vibration Amplitude <10%



Smart Filter Monitoring

Equipped with PLC control and differential pressure monitoring, Thunder Air provides real-time filter status tracking and visual display. When maintenance is needed, the system issues an alert.

- 0~70%: Filter Normal
- 70~90%: Filter Partially Clogged
- 90~100%: Filter Replacement Required



Low Noise Operation
≤65 dB Even at Full Power



Quick-Change Filter
Tool-free Replacement



Lockable Wheels
Move Easily, Stay Firmly in Place



Debris Collection Tray
Easy to Maintain

Versatile Air Protection for Every Workplace



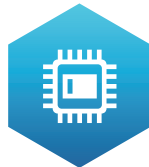
Laser Processing



Welding



Additive Manufacturing



Electronics Assembly



STEAM Education

Compatible Thunder Laser Models



- Bolt Series**
- Bolt
 - Bolt Plus 24
 - Bolt Pro 36



- Nova Series**
- Nova 24
 - Nova 35



- Nova Plus Series**
- Nova Plus 24
 - Nova Plus 35



- Titan Series**
- Titan 27
 - Titan 35
 - Titan Pro 27
 - Titan Pro 35



- Aurora Series**
- Aurora Lite
 - Aurora MOPA
 - Aurora Fiber
 - Aurora UV

Technical Specifications

Product	Thunder Air 700
Dimensions	475x605x972 mm / 18.70"x23.82" x38.27"
Airflow	MAX. 700 m³/h / 412 cfm
Air Pressure	MAX. 4000 Pa
Compatible Voltage	230 V±5 %
Noise Level	≤65 dB
Weight	95 Kg / 209.44 lb
Power	600 W
Airflow Adjustment	5 Levels
Touch Sceen	7" Touchscreen
Air Duct	Ø150 mm
Control Mode	PLC-controlled speed regulation and differential pressure signal alarm
5-stage Filtration System	• SS Protection — 99.99% fire protection • G4 Pre-Filter — ≥85% efficiency (≥5 μm) • F8 Medium Filter — ≥85% efficiency (0.3 μm) • MOF Carbon + H11 — Gas-phase molecules & VOC adsorption • H13 HEPA — 99.99% efficiency (0.3 μm)

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Thunder Air-700

A Reliable Air System for Safer Workspace.

Pure Air. Longer Life. Lower Costs.



The Ultimate High-Performance Fume Extractor

Thunder Air delivers exceptional air purification performance for general manufacturing and professional workshop environments.

Powered by high-volume airflow and an advanced 5-stage filtration system, it efficiently captures contaminants across multiple particle sizes and forms, while thoroughly removing gaseous pollutants and volatile organic compounds (VOCs). The result is clean, odor-free, particulate-free exhaust air that meets even the strictest air quality standards.



Optimized bottom-to-top Airflow

70% Higher VOC Adsorption

40-Layer Fire Defense

HEPA Lifetime Up to 18-Month

Smart Filter Monitoring

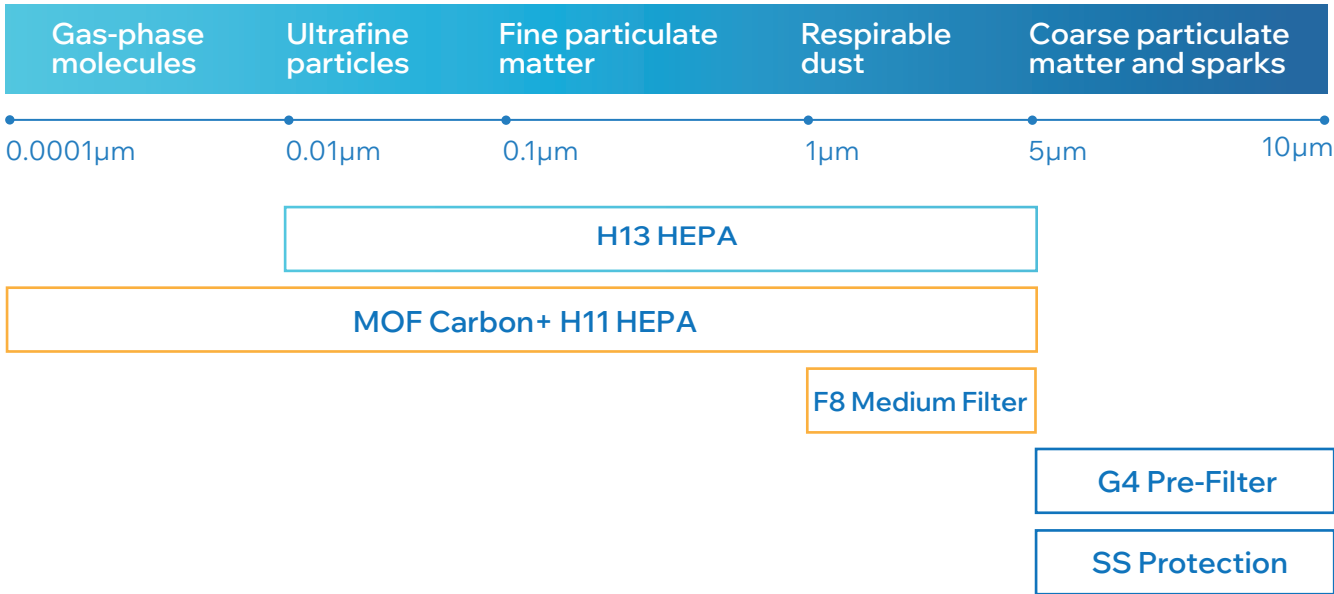
5-Stage Filtration System

Tool-Free Filter Replacement

≤65 dB

Up to 700 m³/h Airflow & 4000 Pa Pressure

Full-Spectrum Particle Filtration



Working Principle of Thunder Air

Thunder Air uses high static pressure to rapidly draw contaminated air into the system. The optimized airflow path then guides the air through a multi-stage filtration structure, where pollutants are removed step by step to ensure stable and consistent purification performance.

- 1 Contaminated air is drawn into Thunder Air through the inlet duct connected to the bottom intake.
- 2 The air flows upward, allowing larger particles to settle under gravity.
- 3 The 40-layer wave-shape structure of SS Protection captures up to 99.9% of sparks, high-temperature particles, and oil mist.
- 4 G4 Pre-Filter capture coarse dust $\geq 5 \mu\text{m}$ with over 85% filtration efficiency.
- 5 F8 Medium Filter captures particles in the 1–5 μm range and achieve 85% filtration efficiency for 0.3 μm particles.
- 6 MOF Carbon adsorbs VOCs, odors, and gas-phase molecules. With H11 HEPA, no particles escape.
- 7 H13 HEPA delivers $\geq 99.99\%$ removal efficiency for 0.3 μm particles, ensuring submicron particulate control.
- 8 The high-speed centrifugal fan delivers steady air pressure, continuously driving airflow through the system.
- 9 Clean, odor-free air is discharged through the top exhaust duct.



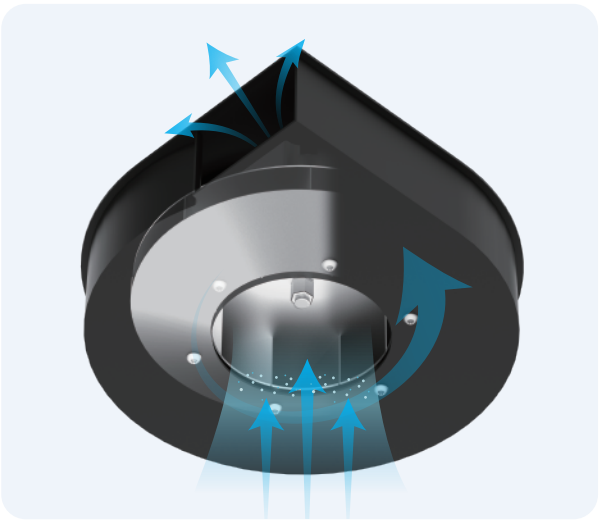
Engineered to Perform



Last Longer, Cost Less

The bottom-to-top airflow lets heavier particles settle naturally, while the washable SS Protection captures sparks and oil, effectively preventing premature clogging of downstream filters.

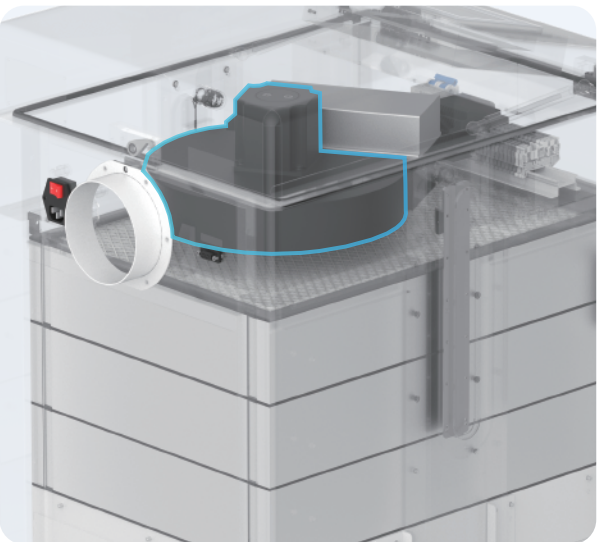
- Up to 18-month Filter Lifetime
- Lower Long-Term Operating Costs



Power That Stays Strong Over Time

A high-speed centrifugal fan combined with a clog-resistant 5-stage filtration system maintains stable pressure, ensuring long-lasting suction without performance loss.

- Up to 700 m³/h Airflow
- Up to 4000 Pa Static pressure



Top-Mounted Fan for Stronger Performance

The top-mounted fan design maximizes internal space, allowing for a larger collection chamber and longer operation. Compared with other models, it delivers higher extraction efficiency and lower noise.

- Larger Dust Collection Area
- 15% Higher Airflow Efficiency
- ≤ 65 dB Low Noise