



SCT5-HL SERIES

Mobile dust collector
Industrial cartridge dust collector

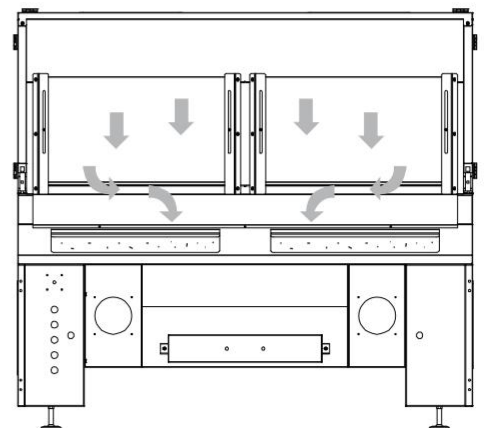


Innovative Design

The SCT5-HL series integrated dust collection workstation is an air purification device primarily designed for collecting and purifying various types of dust generated during cutting, grinding, polishing, stone processing, biopharmaceutical production processes, etc. This workstation effectively captures fine suspended dust while not interfering with the daily operations of workers.

It is mainly applied to small and medium-sized precision processing, irregular part processing, etc. Under the premise of not interfering with the daily work of the operator, the dust collector can effectively capture suspended fine dust particles. Moreover, it can connect with specialized smoke purifiers to achieve a higher dust removal effect, providing a clean and healthy working environment for the operators.

The side wings of the dust collector rotate open, and the top cover can also be flipped up, meeting the needs of sanding different shaped parts. For long-shaped parts such as aircraft wing components, multiple dust collectors can be modularized together, with the side wings adopting an insertable design, allowing for any number of combinations of the dust collectors according to the length of the workpiece being processed.

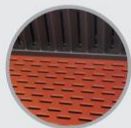




Versatility Flexibility in Design



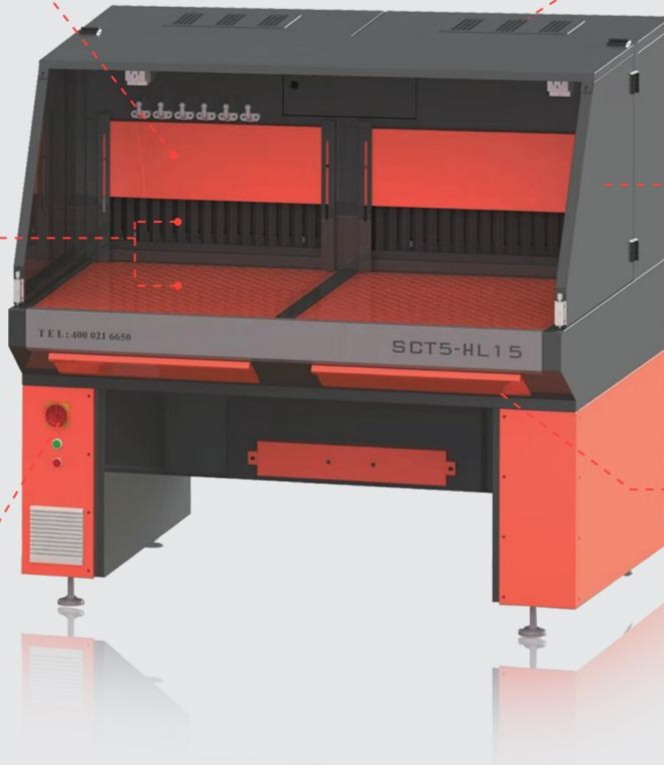
Multiple Filtration
The filter core adopts multi-level filtration, absorbing harmful substances while outputting fresh air.



Lateral bottom dual suction wind
Dual suction on both sides and below creates a larger wind volume and better dust removal effect.



One-button operation
The control panel is simple and easy to understand.



The outlet muffler
Reduce fan noise to the lowest possible level through reasonable wind channel muffler design.



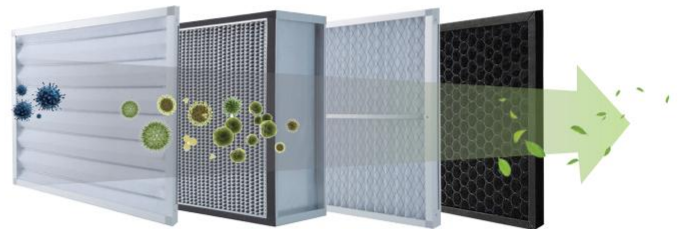
Dynamic side door
The wing flaps rotate open, and the upper cover can also be flipped up, meeting the needs for grinding different shaped workpieces.







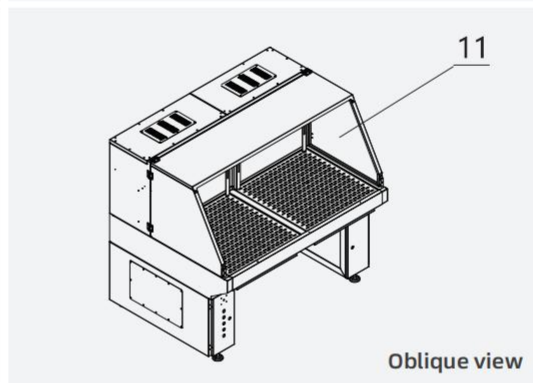
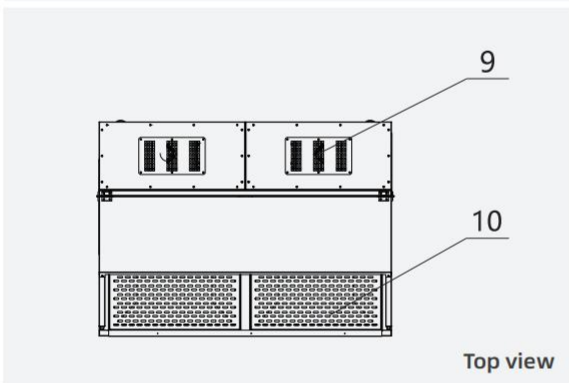
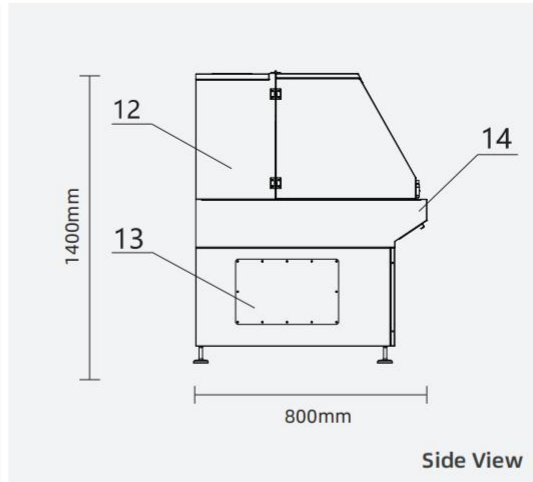
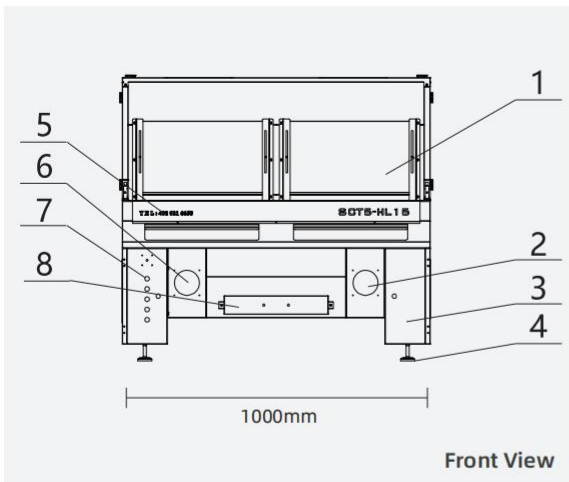
quick dust collection drawer
drawer-type dust collection drawer; Cleaning is very convenient and quick.

Filtration System

Mechanical welding fume purifier adopts layered step-by-step filtration, with pre-filter membrane and main filter element as standard, and metal filter membrane, ultra-fine filter element, activated carbon filtration layer and other kinds of speed elements as optional. When the corresponding processing operation is changed, SCT1-J series can simply adjust its filtration mode by replacing the filter material, which makes the operation simpler, the maintenance cost lower and the air in the factory cleaner. Filter media can be targeted according to the nature of the dust.



Primary Filter	Intermediate Filter	High-Efficiency Filter	Activated Carbon Filter
 <p>Filter out large particles of dust and suspended matter in the air</p>	 <p>Filter out fine particles in the air, reduce the concentration of pollutants</p>	 <p>Filter out suspended dust, tiny particles, etc., the filtration efficiency can reach 99.9%</p>	 <p>Effective filtration and purification of formaldehyde, stupid and other common toxic and harmful gases</p>
2-3 MONTHS	3-6 MONTHS	6-12 MONTHS	6-12 MONTHS



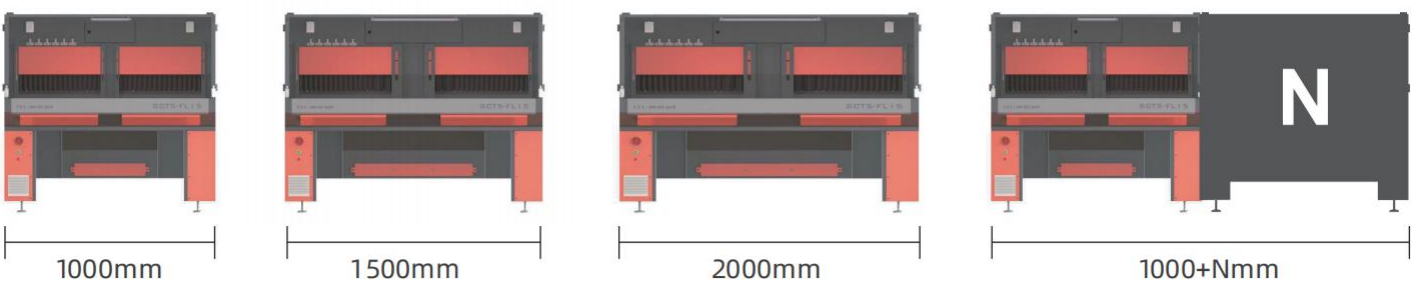
- 1.Windshield
- 2.Fan
- 3.Toolbox
- 4.Foostrest
- 5.Dust Drawer 1
- 6.Fan
- 7.Electrical Control Box
- 8.Dust Drawer 2
- 9.Top Ventilation Outlet
- 10.Work Surfacepliances
- 11.Side Doors
- 12.Motor/Filter Chamber
- 13.Maintenance Door for Electric Ap
- 14.Dust Collection Hopper Chamber

Selection Parameter Table

Select Model	Processing Air Volume	Air Volume Regulation	Power	Filter Technology	Number of Fans	Filter Area	Dust Collection Efficiency	Motor	Dimensions (mm)
<input type="checkbox"/> SCT5-HL10	1000m ³ /h	Manual	0.5kw	Multi-level filtering	1	0.4m ²	99.5%	Permanent Magnet Synchronous	1000*800*1400
<input type="checkbox"/> SCT5-HL15	1000m ³ /h*2	Manual	0.8kw	Multi-level filtering	2	0.6m ²	99.5%	Permanent Magnet Synchronous	1500*800*1400
<input type="checkbox"/> SCT5-HL20	1000m ³ /h*3	Manual	1.1 kw	Multi-level filtering	3	0.8m ²	99.5%	Permanent Magnet Synchronous	2000*800*1400

Product pictures and external dimensions are for reference only and shall prevail in kind.

Product diagram





Application Areas

The VHICH-SCT5 ultra-quiet dust removal workstation is primarily used in high-cleanliness operational environments such as electronics, healthcare, pharmaceuticals, precision instruments, and instrumentation industries. It serves as a versatile localized air purification device with features of high purification efficiency, low noise, long service life, and small footprints.



Electronic soldering



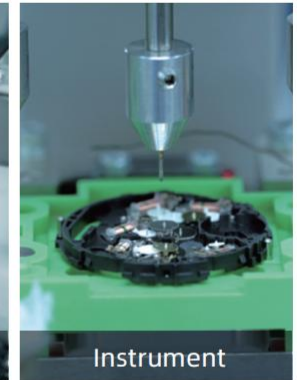
Medical hygiene



Medicine



Precision instruments



Instrument

Live Cases

Shanghai Sanchuan Environmental Protection Technology Co., Ltd. is equipped with high-quality engineering and technical service engineers, specializing in after-sales service. Convenient and timely to provide users with quality and satisfactory service is the commitment of Shanghai Sanchuan Environmental Protection Company.



Optional Accessories



Air powered grinding machine



Grinding Machine



Miniature indexing table



Rotary base



Bench vise