

ULTIMATE DRY DUST CONTROL SOLUTION FOR WIDE RANGE OF APPLICATIONS

Featuring in built-in Fire Control system to minimize the damage caused by the dust explosion hazard.

Ideal For :

Woodworking · Pharmaceutical · Fiber glass · Ceramic/Stone · Food Processing · CNC Machining · Fabrication · Laser Cutting · Paper Trimming/Packaging and more.

SPECIFICATIONS

MODEL	USC-1000E	USC-500E	USC-500A
Inlet Size	300mm / 12" 300mm to 125mm x 5 (Optional)	250 mm / 10" 250mm to 100mm x 5 (Optional)	250 mm / 10" 250mm to 100mm x 5 (Optional)
Motor	7.5KW / 10HP	3.7 KW / 5 HP	3.7 KW / 5 HP
Air Volume (CFM)	148CMM / 5,239CFM	75 CMM / 2,649 CFM (with filter bags)	95 CMM / 3,327CFM (with cartridges)
Static Pressure	4,060 Pa (16" water)	2,667 Pa (10.5" water)	3,125 Pa (12.3" water)
Filter Cleaning	By air pressure	By air pressure	By air pressure
Filter Material	L-PET, Electric Conductive, 5 micro	L-PET, Electric Conductive, 5 micro	L-PET, Electric Conductive, 5 micro
Filter Material (Optional)	L-PET, Electric Conductive, 0.5 micro	L-PET, Electric Conductive, 0.5 micro	L-PET, Electric Conductive, 0.5 micro
Residual Dust Content	< 0.2 mg/M ³	< 0.2 mg/M ³	< 0.2 mg/M ³
Dust Tank Volume	0.31M ³ x 2	0.23 M ³	0.23 M ³
Dust Tank Inner Dimensions	87 (L) x 65 (W) x 56cm (H)	54 (L) x 75 (W) x 57cm (H)	54 (L) x 75 (W) x 57cm (H)
Compress Air Required	6 ~ 8 kgs/cm ²	6 ~ 8 kgs/cm ²	6 ~ 8 kgs/cm ²
Sound Rate	MAX. 92db without noise reduce cover @1M	MAX. 83db without noise reduce cover @1M	MAX. 78db without noise reduce cover @1M
Noise Reduce Cover	Optional (85db @ 1M)	Optional (78db @ 1M)	Optional (72db @ 1M)
Auto fire control system	Optional	Optional	Optional
Net Weight	600 kgs (1320 lbs)	210 kgs (460 lbs)	280 kgs (620 lbs)
Gross Weight	740 kgs (1630 lbs)	280 kgs (620 lbs)	360 kgs (790 lbs)
Packing Dimensions	260 (L) x 124 (W) x 225cm(H)	163 (L) x 75 (W) x 213cm(H)	163 (L) x 75 (W) x 213cm(H)



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THE EXCELLENT FILTER UNIT FOR
DUST and **SHAVINGS**

www.usonictw.com





USC dust collector is designed for use in industrial environments, for extracting different kinds of dust and dry shavings from single or multiple dust sources. It can be installed directly at the workplace without any additional fire or explosion protection measures.

The blower, comprising a high efficiency centrifugal fan with backwardly curving blades, is situated on the pure-air side. The fan is positioned inside the unit and therefore soundproofed to obtain a low noise level.

Its fine filter material ensures residual dust content in the air of less than 0.2 mg/m³.

Semi-Automatic Filter Cleaning for Easy Maintenance

Simply by pressing a button to activate the built-in compressed air jet to clean the filter inside out.

Antistatic Treated Filters to minimize the chance of Fire & Explosion

Mobile base Collection Tank with Quick-Release hooks and see-through window for Simple Dust Disposal.

Low Maintenance Cost

The blower is located at pure-air side of the collector unit. All dust are filtered first before entering through the motor and fan blower section. It helps prolong the motor usage life but not losing suction power.

Clean Workplace

Totally enclosed design featuring fine micron filter bags to minimize fine dust sending back to the airborne.

Built-in Alarm to signal the-Fire occurred inside of the machine

Fire Control by built-in Fire Sprinkler or optional Fire Extinguisher

The fire control system helps minimize the damage caused by possible fire hazard occurred inside of the machine.

Energy Saving

The CFM performance of this 5HP LS-500e is comparable to 7.5HP on the traditional dust collector. Its high-performance blower and sophisticated aerodynamic casing design featuring backward cured impeller to make this collector consuming less energy even when the dust filter unit is operating at full power.

Low Sound Rating. Ideal for Indoor operation

The impeller fan is located inside of the collector and away from the open dust inlet to reduce the round rating. It features backward curving blades for smooth and quite operation.



USC-1000E



USC-500E



USC-500A

USC-500A shown in optional Touch Screen Control Panel (left) for easy operation or Explosion proof Electrical Box (right) for added safety.



UL Mode is Optional Upon Request



Optional Fire Extinguisher

