



Industrial Dust Collector



Industrial Dust Collector



The Industrial Dust Collector is a High Volume, Low Pressure (HVLP) system designed for full-scale facility and process filtration. Engineered to maintain breathable air quality, this system efficiently captures airborne dust, fumes, and particulates, ensuring a clean and safe work environment. Ideal for continuous operation in manufacturing plants, warehouses, and industrial facilities, it effectively removes contaminants from the air using a robust filtration system.

Its heavy-duty construction guarantees long-term durability, even in the most demanding settings, while its customizable design allows for seamless integration into various facility layouts. The multi-component system includes a capture hood, air mover, and ductwork, all working together harmoniously to optimize air quality. With this advanced dust collector, businesses can enhance worker safety, comply with environmental regulations, and improve overall operational efficiency. Whether you're dealing with metalworking, woodworking, or any other industrial process, this system is a reliable solution for maintaining a healthy and productive environment.

Key Features:

- HVLP Technology – Ensures high airflow capacity with low energy consumption.
- Full-Scale Facility Filtration – Designed for large industrial spaces and continuous operation.
- Multi-Component System – Includes a capture hood, air mover, ductwork, intake, and exhaust ducting.
- High-Efficiency Filtration – Effectively removes dust, fumes, and airborne contaminants.
- Heavy-Duty Construction – Built for durability and long-term industrial use.
- Continuous Operation – Designed for 24/7 performance in demanding environments.
- Customizable Design – Can be adapted to different facility layouts and air filtration needs.

Applications:

- ✓ Manufacturing Plants – Captures dust and airborne contaminants from production lines.
- ✓ Metalworking & Welding Shops – Removes metal dust, fumes, and particulates.
- ✓ Woodworking & Sawmills – Controls sawdust and fine wood particles.
- ✓ Pharmaceutical & Chemical Industries – Ensures clean air by filtering hazardous dust.
- ✓ Food Processing Facilities – Maintains sanitary conditions by removing airborne particles.

Why Choose This Industrial Dust Collector?

- This HVLP industrial dust collection system is engineered for high-efficiency air filtration in large-scale facilities.
- Its robust design, powerful airflow, and continuous operation capability make it the ideal solution for maintaining clean, breathable air in industrial environments.

Industrial Dust Collector KDC-FJT Series

Kertz Industrial Dust Collector FTJ Series is generally used for air purification and material recovery in the industries of electronics, chemical industry, plastics, cement, powder, food, mold, machinery and hardware. It is a widely used dedusting machine, with flexible ratio of fan and filter element, which is suitable for central dust collection under various working conditions. The unit can be installed in parallel, with large air volume, small size and flexible layout. The whole machine is sprayed with plastic, with beautiful appearance and corrosion resistance.

- Centrifugal fan with a modular design that offers high airflow, minimal noise, and consistent performance.
- Features two operational modes: Local and Remote. An intelligent control interface can be added upon request.
- The rotary back-blow cleaning system, with an adjustable time interval, efficiently cleans the filters to maintain the machine's normal operation.
- HEPA cartridge filters effectively capture fine dust particles ranging from 0.1 to 0.3 microns.
- A built-in air duct significantly reduces the burden on the filters.
- The manual air pressure regulating valve effectively removes impurities from compressed air, ensuring the pulse system operates smoothly.
- Schneider electric components guarantee safety and reliability, providing phase sequence, overheating, and overload protection.
- A 50-liter dust container with a window and casters allows for easy and convenient dust disposal.



Technical Data	Unit	FTJ1500	FTJ1850	FTJ2200
Power	kW	15	18.5	22
Voltage	V -Hz	380 -50/60	380 -50/60	380 -50/60
Container capacity	l	50	50	50
Filter area	m ²	222	222	278
Filtering accuracy	µm	0.1-0.3	0.1-0.3	0.1-0.3
Filter type		12 HEPA filters	12 HEPA filters	15 HEPA filters
Airflow	m ³ /h	10000-19000	10000-22000	11000-22000
Vacuum	kPa	2.7-2.0	3.0-2.2	3.2-2.3
Noise level	dB	74	74	76
Inlet diameter	mm	400/500	500/550	550/600
Cable length	m	10	10	10
Product size	mm	4150*1500*4160	4150*1500*4160	4850*1500*4600
Filter cleaning method		Revolving Wing Back Blow		

Industrial Dust Collector & Air Purification Equipment JH Series

Kertz Industrial Dust Collector and Air Purification Equipment serve as effective solutions for fume control and purification in various settings, including welding robot workstations, extensive welding workshops, large laser cutting machines, and plasma cutting machines. This equipment can be installed outdoors to capture and manage airborne dust and smoke. Additionally, it can be configured to be explosion-proof if necessary.



- Centrifugal fan and modular design featuring large airflow, low noise level and stable performance
- Configured with two operation modes: Local & Remote.
- Intelligent control interface can be equipped if required.
- The rotary back blow cleaning system with adjustable time interval can effectively clean the filters to ensure normal operation of the machine.
- The HEPA cartridge filters can filter fine dust at 0.1-0.3 microns efficiently.
- Built-in air duct effectively reduces the load of the filters.
- Manual air pressure regulating valve can effectively filter impurities in compressed air and ensure normal operation of pulse system.
- Schneider electric components ensure safety and stability, with function of phase sequence, overheating and overload protection.
- 50l dust container with window and casters makes dust dumping easy and convenient.



Technical Data	Unit	JH1100	JH1500	JH2200
Power	kW	11	15	22
Voltage	V -Hz	380 -50/60	380 -50/60	380 -50/60
Container capacity	l	50	50	50
Filter area	m ²	125	168	222
Filtering accuracy	µm	0.1-0.3	0.1-0.3	0.1-0.3
Filter type		9 HEPA filters	9 HEPA filters	12 HEPA filters
Airflow	m ³ /h	10000-13000	12000-17000	18000-24000
Vacuum	kPa	1.6-2.5	1.6-2.6	1.8-2.8
Noise level	dB	74	74	74
Inlet diameter	mm	500	500	500
Cable length	m	10	10	10
Product size	mm	1500*1500*3500	1500*1500*4150	1800*1500*4350
Filter cleaning method		Revolving Wing Back Blow		

Industrial Dust Collector PJS Series

Kertz Industrial Dust Collector - The PJS Series fume and dust collector offers a compact, fully assembled, and prewired solution tailored for the metal cutting industry. It effectively captures fumes and particulates produced during operations such as laser cutting right at the source, thereby minimizing workers' exposure to harmful fumes and safeguarding valuable machinery.



- Equipped with a centrifugal fan that can work continuously 24 hours per day with large air volume, low noise level and stable performance.
- Modular designed with small equipment footprint -open up valuable manufacturing floor space.
- Schneider electric components improve overall safety and stability, with functions of phase sequence, overheating and overload protection.
- 4 AHLSTROM nanometer flame retardant cartridge filters with great filter surface and excellent filter efficiency.
- Automatic filter cleaning system with adjustable pulse time interval.
- Configured with two operation modes: Local & Remote.
- The remote linkage function can be applied to start and stop the equipment with another machine.
- Airflow management -Inlet with velocity reducer and inside air duct for decreased filter loading.



Description	Unit	PJS550	PJS750 (Discontinued)
Current type	Ph -V -Hz	3 -380 -50/60	
Power	kW / HP	5.5 / 7.4	7.5 / 10
Airflow	m ³ /h (l/s) / CFM	3300-5000 (917-1389) / 1942-2943	4300-6300 (1194-1750) / 2531-3708
Vacuum	kPa / inH2O	1.8-2.6 / 7.2-10.4	2.2-3.0 / 8.8-12
Sound pressure level	dB(A)	70	72
Container capacity	l / gal	50 / 13.2	
Filter area	m ² / ft ²	66 / 710	
Filter efficiency	µm	0.3	
Filter type		4 AHLSTROM Nanometer Flame Retardant Cartridge Filters	
Filter cleaning system		Automatic Pulse Jet (Compressed air requirement: 4-6 bar)	
Explosion-proof configuration		No (customizable if required)	
Switch control mode		Local + Remote	
Inlet diameter	mm / in	300 250 / 12 9.8	
Cable length	m / ft	8 / 26.2	
Dimensions (L xW xH)	mm / in	1000*900*2450 / 39.4*35.4*96.5	