

# Purification Technology Environmental Protection



Ju Wei Machinery co., ltd. focus on designing and producing oil mist air cleaner which is capable of thoroughly reducing oil mist, also offers a unique purification function and consumes less electricity while providing maximum oil mist suction performance. With the rise of environmental awareness and importance of employment diseases, the air cleaner technology in the past cannot solve issues today, so Ju Wei is absorbed in developing oil mist air cleaner to provide a better environment for not only employees but the whole world.

As the growing of the machining, many hazardous substances are released such as exhaust , dust and noise. Now, many machining enterprises are trying to achieve "cleaner production". To fulfill this goal, Ju Wei invites many experts to join our plan to improve the producing technique so that we can provide a higher quality oil mist cleaner to clients. Ju Wei will always concentrate on developing environmental devices and responsible for environmental issues.

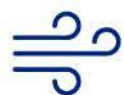
## Product Features



Air Purification Technology



Turbo Type Blade Wheel



High Efficiency, Low Noise and Vibration



Oil-Water Separation Design



3D Hitting Principle



Equipped with Filter Life Gauge



# R OIL MIST COLLECTOR Series



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# Oil Mist Recovery & Air Purification Process

**1 Direct Interception**  
Intercepts 70% of Oil Mist




When oil mist flow through the stainless steel filter at the front end, mist particles can be intercepted and collected easily.  
Stainless steel filter can washed and reused.

**2 Inertial Hitting**



After mist particles flow through the filter, located at the front end, they hit the oil stop plates in the suction direction in order to be collected easily.  
Featured with tornado effect to dramatically increase filter efficiency.

**3 Diffusion Effect**




Once mist particles hit the stop plates, they may cause dispersed flow and diffusion, before being easily collected by large area woven screen at the second stage.  
Oil mist hitting generates static electricity that absorbs oil mist, making oil droplet collection more convenient.

**4 Blade Wheel**  
Centrifugal Hitting Extra Powerful Centrifugal



The turbo type blade wheel integrates innovative features such as extra powerful suction force and centrifugal force as well as high speed cyclone that allow oil mist to adhere on the internal walls. Then, mist particles are intercepted by the internal oil stop plates, before being collected.

**5 Pressure Detection Gauge**



The pressure detection gauge indicates the time when the filter screen need to be cleaned or final filter need to be replaced. It reduces electricity consumption, while maintaining high efficiency oil mist removal.

**6 Final Filtration (Optional) Smoke Filtration**



Although oil mist has been filtrated at various stages, there is still some smoke contained in the air. Such smoke can be removed with the use of a HEPA filter drum.

# R OIL MIST COLLECTOR Series



Model	Unit	JW-001-R	JW-002-R	JW-003-R
HP	HP	1/2HP 0.37KW	1HP 0.75KW	1.5HP 1.12KW
Air Flow	CMM(m³/min)	11/16 (50Hz/60Hz)	16/20 (50Hz/60Hz)	21/26 (50Hz/60Hz)
Intake	mm	125	150	150
Voltage	V	220/380	220/380	220/380
Electric Current	A	1.6/0.9	3.1/1.7	4.1/2.3
Cycle	HZ	50/60	50/60	50/60
Speed	R.P.M	2850/3500	2850/3500	2850/3500
Noise	dB	62	68	70
Weight	kg	38	48	55
Length	mm	541	563	568
Width	mm	325	380	450
Height	mm	505	566	626

**300mm Cartridge Filters**



This type of cartridge filter is perfect for water-based cutting applications.  
When water moisture and oil mist are generated during machining, a 300mm cartridge filter is recommended.

**F8 Filter Class** PM2.5 Efficiency:80% | Service life:2500h

**600mm Cartridge Filters**

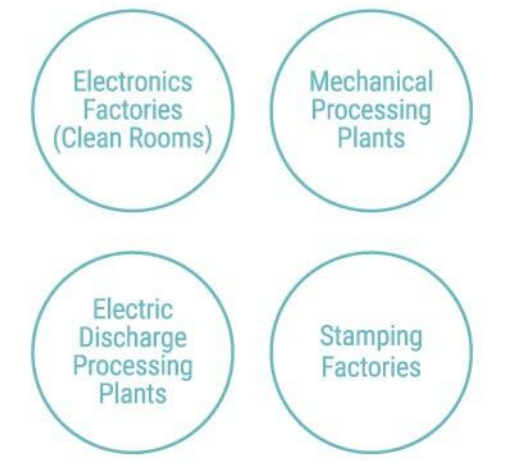


This type of cartridge filter is suitable for oil-based cutting fluid and heavy cutting applications.  
During the heavy machining process, if massive oil smoke is generated in addition to water moisture and oil mist, a 600mm cartridge filter should be applied.

**H13 Filter Class** PM2.5 Efficiency:99.97% | Service life:5000h

# Industrial Oil Mist Collectors Application

Juwei oil mist collectors supplier has experience with many types of air filtration systems, we developed industrial oil mist collectors with air filter functions that have been applied to a broad range of working environments, and we also have experience in OEM/ODM industrial oil mist collectors, providing customers with the best industrial oil mist collector solutions.



## Milling Machine



## CNC Lathe



## Others

