

北將機械有限公司
PEI CHIANG MACHINERY CO., LTD.

**High-pressure Two-step Oil Mist Collector
+ Separating-type Fume Processor**

M Series



S Series



Separating-type Fume Processor

PAT.

To cope with all kinds of fume, oil gas, white smoke, PM2.5, and oil mist derived from machine tools and other industrial machines, PEI CHIANG debuted its latest package model "M-Series Oil Mist Collector and S-Series Oil Mist Collector" (High-pressure Two-step Oil Mist Collector + Separating-type Fume Processor), which can process pollution sources more precisely and effectively and avoid toxic gases spreading through the working area; thus, achieving the goal of recycling toxic gases, maintaining employee health, improving working efficiency, and creating friendly work environment

● Fume Generation

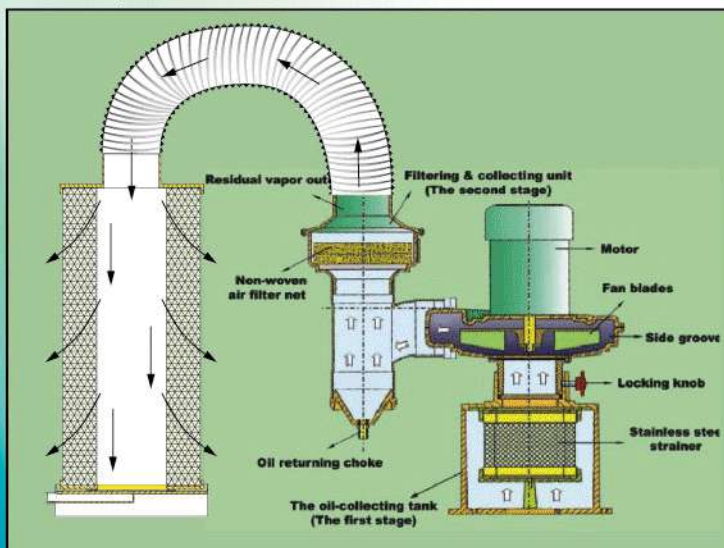
Under high-speed processing and cutting, fume is generated by the slide-way oil contained in oil cutting fluid or water-solubility cutting fluid from the contact of working pieces with the high temperature

● Oil Gas Generation

Oil gas is generated while the air compressor is used to keep workholding and toolholding of automatic machinery clean, and maintain the precision of process

Feature

- **Patented Structural Design:** The top-down absorption concept with high air pressure speeds up the downward processing; thus, extends the life of the fume processor
- **Separating-type Design:** In response to on-site needs, the fume processor can be installed directly on the top of tool machines or any location
- **Standard Equipped Pressure Gauge:** Can easily detect if there is a blockage and measure filters' replacement time
- **Flexible Combination:** The Separating-type Fume Processor can be purchased separately or equipped with any air supply devices
- **Multiple Model Options:** In response to on-site machining levels, there are multiple models for selection
- **Maintenance Free and Easy to Replace:** Filters are maintenance free; in addition, the separating-type design makes it easier to replace



Measurement of the Separating-type Fume Processor

PC-350M / PC-350S
360mm*360mm*450mm
Weight: 9 kg

PC-650MH / PC-650SH
360mm*360mm*750mm
Weight: 12 kg

Applications

The Separating-type Fume Processor is applicable for CNC lathes, CNC machining centers, milling machines, electric discharge machines, hobbing machines, grinding machines, cleaning tanks, anti-rusting oil and any equipment that creates fume, oil-gas, oil-mist, mist, and white smoke

Specializing in processing pollution generating from CNC lathes, CNC milling machines, and other enclosed machine tools. Offer solutions to the problems of wet and slippery floors and bad air quality caused by fume, oil gas, PM2.5 and oil mist.

Separating-type Fume Processor S Series

Special for Water-solubility Cutting Fluid

Feature

- **Special for water-solubility cutting fluid:**
HEPA is designed for tool machines that use water-solubility cutting fluid. It can process white smoke and particulate matters effectively and efficiently
- **Highly-Efficient Purification:**
Re-filtering 60% of the residual gas from oil mist collector, combining with High-pressure Two-step Oil Mist Collector, the overall filtration efficiency is over 90%
- **Model Options:**
In response to on-site needs, there are two models for selection, PC-350S and PC-650SH



PC-S
Budget Model

Model: PC-200S PC-250S PC-300S



PC-SH
Prolonged Action Model

Model: PC-200SH PC-250SH PC-300SH



Optional Accessories:

- Side-hanging Iron Frame
- Fume Processor S-350
- Fume Processor SH-650
- Four-legged Iron Stand 600*450*1500mm (Vertical)
- Four-legged Iron Stand 900*450*1500 (Horizontal)

Separating-type Fume Processor M Series

Special for Soluble Oil Cutting Fluid

PC-M
Special for Light Cutting, Low Fume

Feature

- **Special for soluble oil cutting fluid:** HEPA is designed for tool machines that use soluble oil cutting fluid. It can process fume, oil gas, PM2.5, and particulate matters effectively and efficiently
- **Perfect Purification:** Re-filtering 80% of the residual gas from oil mist collector, combining with High-pressure Two-step Oil Mist Collector, the overall filtration efficiency is over 99%
- **Model Options:** In response to on-site needs, there are two models for selection, PC-350M and PC-650MH



Model: **PC-200M PC-250M**



PC-MH
Special for Heavy Cutting, High Fume

Model: **PC-200MH PC-250MH PC-300MH**



Optional Accessories:

- Side-hanging Iron Frame
- Fume Processor M-350
- Fume Processor MH-650
- Four-legged Iron Stand 600*450*1500mm (Vertical)
- Four-legged Iron Stand 900*450*1500 (Horizontal)

Installation Examples

www.peichiang.com.tw



Separating-type Fume Processor



▲ PC-350M



▲ PC-350S



▲ PC-650MH



▲ PC-650SH

Hi-Pressure Two-Step Oil Mist Collector

Features of High-pressure Two-step Oil Mist Collector:

- High air pressure (up to 320mmAq), stable flow, high filtration efficiency
- Made of aluminum alloy, light weight and durable
- Induction motor, low power consumption, fast heat dissipation, applicable for long-time operation
- Structural principle, vertical design, no vibration, low noise
- Easy to install and space-efficient, making the mechanical shifting arrangement in the factory easier
- Disposable filters, quick change in 10 sec.; easy to maintain, worry-free of industrial safety



▲ PC-200



▲ PC-250

▲ PC-300

Performance Specification Sheet

LG Series IP54 Three-Phase

Model	Output Power (KW)	Suction diameter (mm)	Voltage (V)	Frequency (Hz)	R.P.M	Noise Value (dB)	Rated Current (A)	Max. Static Pressure (mmAq)	Max. Airflow (m3/min)	Approx. Net Weight (kg)
PC-200 A/B	0.37	100	200~220	50	2800	50	2.0	130	7	28
				60	3500	56	1.5	150	9	
			380~415	50	2800	50	1.3	130	7	
				60	3500	56	0.9	150	9	
PC-250 A/B	0.75	100	200~220	50	2800	62	3.3	210	13	37.8
				60	3500	68	2.8	230	15	
			380~415	50	2800	62	2.0	210	13	
				60	3500	68	1.6	230	15	
			200~220	50	2800	72	6.4	230	18	
				60	3500	80	5.4	320	22	
PC-300 A/B	1.5	100	200~220	50	2800	72	6.4	230	18	42.5
				60	3500	80	5.4	320	22	
			380~415	50	2800	72	3.6	230	18	
				60	3500	80	3.1	320	22	

Note: *A policy of continuous product improvements followed, we reserve the right to alter any published data

*Model A stands for vertical type; Model B stands for horizontal type

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