

DUST COLLECTOR

MNZ Series

Medium pressure dust collector

Automatic dust removal/Dust removal by the coater Automatic encapsulation machine dust removal Mixing and stirring to remove dust.

FEATURE

Beautiful appearance, easy to move mini dust collector, can be placed under the workbench, improve space utilization, small size, low noise, suitable for narrow space use, widely used in the field of meta-automation micro dust dust removal, suitable for small pipelines, short and medium distance, multi-station, point-to-point dust removal. The equipment adopts DC brushless medium negative pressure and medium air volume adjustable speed fan, which can work continuously for 24 hours.



PRODUCT DETAILS



Dustman environmental

DEVICE CONFIGURATION



Smart touch screen

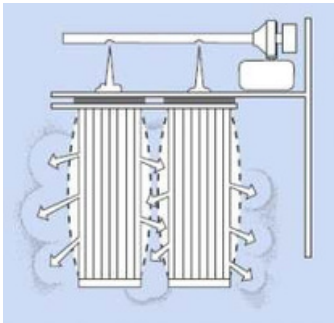
- ◆Real-time pressure display, filter status at a glance
- ◆With pressure alarm, overload alarm, alarm shutdown
- ◆External alarm indicator and external sound and light alarm can be connected
- ◆There are reserved external linkage control or remote control ports
- ◆Pulse frequency, period, and interval can be set
- ◆According to the differential pressure detection, the pulse blowback blow dust can be initiated



Filter options

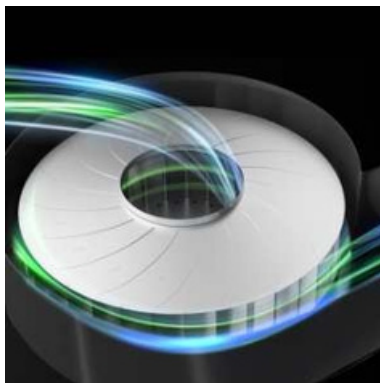
The following different material filters will be matched according to the characteristics of different dusts

- ◆Standard filter, suitable for dust particles above $2\mu\text{m}$
- ◆Finefil laminated filter, suitable for dust particles above $1\mu\text{m}$
- ◆Anti-static filter, suitable for dust particles with static electricity
- ◆Finefil anti-static filter, suitable for fine dust with static electricity



Pulse automatic dust shake

The timing automatic pulse blowback washing function is to use the pulse valve to open instantaneously to spray the high-pressure compressed air back into the filter, and the dust attached to the surface of the filter screen will be instantly shaken down, which can effectively prevent the premature blockage of the filter screen and keep the filter screen breathable for a long time



Using a large air volume brushless DC fan, the internal permanent magnet stator and ball bearings cooperate with the streamlined centrifugal turbine air duct to produce a strong suction power with high static pressure and low noise, and a strong heart that you can't put down



The filter is installed in a modular manner with slide rails design, no tools, no hands quick filter removal and assembly in minutes you can change a machine

PARTIALLY APPLICABLE WORKING CONDITIONS



Automatic dust removal



Dust removal by the coater

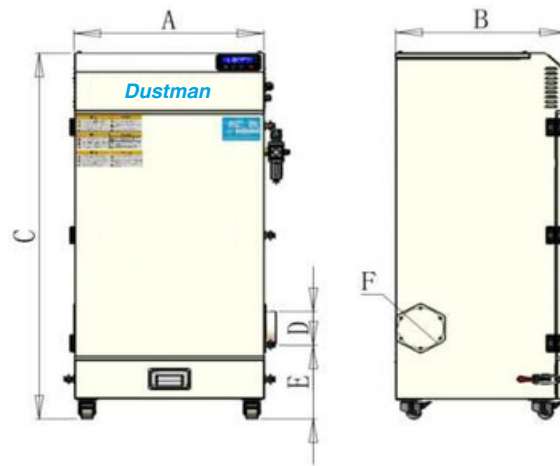


Automatic encapsulation machine dust removal



Mixing and stirring to remove dust

EXTERIOR DRAWING



PARAMETER TABLE

Name / Model		MNZ-500	MNZ-750	MNZ-1000
Dust collector body	Power Supply (V)	1P 220V / 50Hz		
	Power (kW)	0.5	0.75	1.0
	Air volume (m ³ /min)	7-8	12-15	20-22
	Closed Static Pressure (KPA)	2-2.5	2.5-3.0	2.5-3.0
Filter unit	Filter area (m ²)	3.5	5.1	10.2
	Filter speed (m/min)	1.2-1.6	0.96-1.3	0.96-1.3
	Specification/Quantity(mm/pcs)	Ø300x200Lx1pcs	Ø180x300Lx2pcs	Ø180x300Lx2pcs
	Shape/Material	Cartridge filter/polyester		
	Dust shaking method	None (manual cleaning required)	Automatic pulse Jet	Automatic pulse Jet
Device size	A × B × C (mm)	400x400x710	500x450x1089	600x600x1167
	D suction port diameter (mm)	Ø100	Ø100	Ø125
	E Distance between ground and suction port (mm)	220	220	279
	F flange hole array diameter (mm)	Ø120-M6-6	Ø120-M6-6	Ø145-M6-6
Compressed air consumption (L/min)		-	0~30 (adjustable)	0~30 (adjustable)
Dust capacity (L)		10	14	21
Noise (dB[A])		70±2 (2 meters from the device)		

※ In order to improve product performance, specifications and parameters may be changed.