

S U P P L Y I N G   C L E A N   A I R   T O   I N D U S T R Y

# MistBuster® Series

## HIGH EFFICIENCY MIST & SMOKE COLLECTOR



MB-500



MB-850



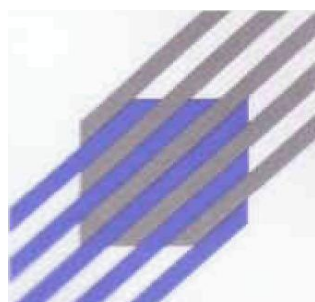
MB-2000



### Mistbuster Patented Technology Offers:

- **Clean Air** - Eliminates the haze associated with most metalworking operations.
- **Reduced Mist Exposure** - Captures and cleans mist and smoke at the source.
- **Safety** - Reduces the risk of accidents caused by slippery surfaces.
- **Machine Fluid Savings** - The MistBuster® collects and returns the machine fluid to your machine rather than venting it to the atmosphere.
- **Cleaning Cost Savings** - Uncontrolled machine fluid mist will soil machinery, floors and ceilings.
- **High Efficiency Mist and Smoke Removal** - Independent laboratory tests confirm up to 99.9% efficiency.
- **Low Operating Costs** -The MistBuster® requires 230-430 watts of power to operate.
- **Low Maintenance Costs** -The MistBuster® has no media filters to replace, ever!
- **Easy Installation** - The MistBuster® can be mounted directly to the machine tool, pedestal, wall or ceiling.
- **Superior Design** - Eliminates maintenance and rebuilding costs associated with out-of-balance cen-trifugal drums. (MistBuster® has one moving part

*The new MistBuster® series is a self-contained mist removal system designed to capture mist and smoke from metalworking applications in industry. The MistBuster® can be direct mounted to machine tools or ducted using optional plenum and flex hose. The MistBuster® is the superior alternative to conventional centrifugal and media-type systems. Manufacturer*



AIR QUALITY  
ENGINEERING

Manufacturer and Worldwide Distributor of Air Cleaning Systems for Over 30 Years  
Protected by U.S. Patent No. 6,428,610

## MistBuster® FEATURES & SPECIFICATIONS

### Principles of Operation:

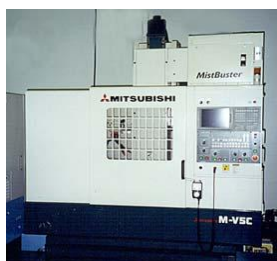
Polluted air is drawn through the first stage mechanical mist impingers. These impingers are designed to remove the larger mist droplets and particles. The remaining submicron particles are removed in the second and third stage electrostatic precipitator (ESP) sections. To optimize efficiency, an aluminum post-filter entraps particles which may have been agglomerated on the cell plates. Clean air is then returned to the room.

### Specification

Model	MB-500	MB-850	MB-2000
DIMENSIONS mm.	635L x 343W x 467H	635L x 343W x 730L	670L x 660W x 838H
INLET OPENING mm.	422 x 230	423 x 230	406 x 527
WEIGHT kgs.	32.7	45	100
CABINET	16 gauge steel cabinet with a chemical resistant baked enamel, ivory texture finish		
AIRFLOW cfm (cmm)	Max. 500 (14.15)	Max. 850 (24)	Max. 1,650 (46.72)
EFFICIENCY	99.9% efficiency per ASHRAE 52.2		
FILTRATION			
1st Stage	4" Aluminum mist impringer	4" Aluminum mist impringer	4" Aluminum mist impringer
2nd Stage	High efficiency ESP filter	High efficiency ESP filter	High efficiency ESP filter
3rd Stage	1" Aluminum mesh	High efficiency ESP filter	High efficiency ESP filter
4th Stage	-	1" aluminum mesh	2" aluminum mesh
POWER SUPPLY	Self-regulating, dual voltage, solid state		
MOTORIZED IMPELLER	Backward curved, vibration-free, direct drive		
POWER	240 V , 1 phrase , 50/60 Hz with Ground		
CURRENT	1 amp	1.75 amps	2 amps
POWER TO OPERATE	230 watts	375 watts	430 watts
POWER CORD	Ten-foot power cord with standard molded plug		
SOUND LEVELS	74 dBA @ 3' (at max airflow)		69 dBA @ 3' (at max airflow)

### STANDARD FEATURE

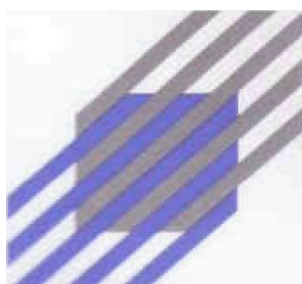
- 3 year parts warranty.
- Motor starter and control circuitry.
- Infinitely variable motor speed controller.



MistBuster® ducted to Mitsubishi machining center

### OPTIONAL ACCESSORIES

- Triple pass ESP ( MB850 and MB2000)
- Source capture plenum.
- Pedestal mounting kit.
- Machine mount stand.
- HEPA Post filter
- Activated Carbon Module



**AIR QUALITY  
ENGINEERING**

Air Quality Engineering, Inc. has a policy of continuing product improvement,  
and reserves the right to make in design and specification without notice