

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

# *New!* MistBuster® Quad

HIGH EFFICIENCY MIST & SMOKE COLLECTOR



## Patented MistBuster® Technology in a New Double Pass Design

- **Double Pass** - Increased efficiency for tough applications
- **Optimally Sized** - for large or semi-enclosed machining centers.
- **Large Capacity** - Handles multiple conventionally sized machining centers.
- **Clean Air** - Eliminates the haze associated with most metal working 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 less than 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 centrifugal drums. (MistBuster® has one moving part.)

*Self-contained mist removal system captures mist & smoke from industrial metalworking applications. Direct-mounted or ducted installation.*

*Superior to conventional centrifugal and media-type systems.*



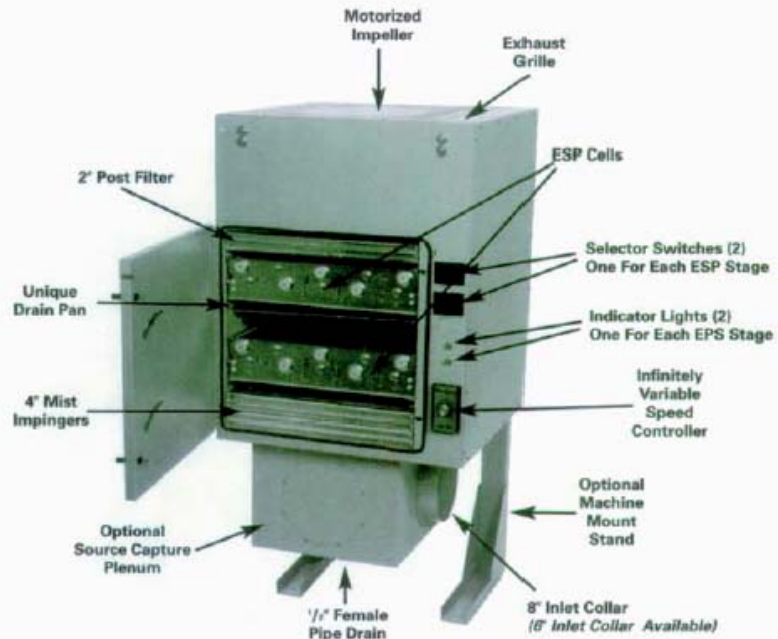
For further information:

**BERRIMAN ASSOCIATES**  
**1-800-480-3630**  
**www.berriman.com**

# MistBuster® Quad 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 sub-micron mist droplets and particles are removed in the second stage through the process of electrostatic precipitation (ESP). The ESP provides an intense electrical charge on the remaining contaminants through the ionizing field. Two primary collection cells, placed side-by-side, work much like magnets attracting and removing charged mist droplets from the airstream. A third stage, also comprised of electrostatic cells, collects any fine mist particles that may have migrated through, increasing the overall efficiency up to 99.9%! Aluminum post-filters entrap particles, which may have been agglomerated on the cell plates. Clean air is then returned to the room.



## ADDITIONAL FEATURES:

- 3-year parts warranty
- Control circuitry included (no need for motor starter)
- Infinitely variable motor speed controller
- Selector switches for synthetic, water or oil based coolant
- 2 power supplies, one for each ESP stage, assures highest efficiency

## OPTIONAL ACCESSORIES:

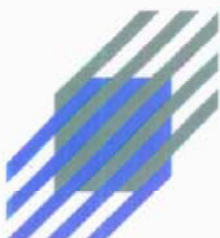
- Source capture plenum
- Machine mount stand
- Ceiling mount kit
- Pedestal stand
- Wall mounting kit
- Optional remote variable speed controller
- Machine specific mounting kits available

## SPECIFICATIONS:

- DIMENSIONS: 26" W x 33" H x 26.4" D  
 INLET OPENING: 16" x 20.75"  
 WEIGHT: 203 lbs. installed weight  
 240 lbs. shipping weight  
 AIRFLOW: 50-1250 cfm  
 EFFICIENCY: Up to 99.9% efficiency per ASHRAE 52.2
- SECOND/THIRD STAGES  
 FILTRATION: Electrostatic Precipitator has 212 sq. ft. of surface area. Minimum voltage gradient is 20,000 volts per inch.
- FIRST STAGE  
 IMPINGMENT: 4" thick mist impingers  
 POSTFILTER: 2" thick aluminum mesh  
 POWER SUPPLY: Self-regulating, dual voltage solid-state power supplies.
- MOTORIZED IMPELLER: Backward curved, vibration-free, direct drive 430 watt rated at 1810 cfm @ 0" wg.  
 POWER: 115 Vac, 60 Hz, 4 amps  
 230 Vac, 60 Hz, 2 amps  
 CABINET: 16-gauge steel cabinet  
 POWER CORD: Ten-foot power cord with standard molded plug.  
 SOUND LEVELS: 69 dB(A) @ 3'  
 68 dB(A) @ 6'

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Manufacturer has a policy of continuing product improvement, and reserves the right to make changes in design and specification without notice.



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