

# Mistbuster 500 Offers Convenience in Complying with NIOSH Criteria for Machining Fluid Mist

The new MistBuster 500 makes it easier than ever and less costly to avoid employee overexposure to metalworking fluids. NIOSH has identified a number of health risks associated with overexposure to metalworking fluids. These risks include respiratory disorders, such as asthma and hypersensitivity pneumonitis, as well as cancer to the skin and other organs. The compact and lightweight MistBuster 500 reduces airborne concentrations of metalworking fluids in your workplace.

The MistBuster 500 really is different. Vibration free, it offers more precise and repeatable machining. Vibration from the old (and noisy) centrifugal units was unavoidable when residue accumulated on the impeller. With the new MistBuster 500, the air is cleaned before reaching the impeller. With the old centrifugal units, the impeller is an air cleaner. A dirty out-of-balance impeller creates vibration, which is translated to CNC and customers' parts. This results in expensive scraping of parts that could otherwise have been in spec.

Centrifugal Mist Eliminators require expensive bearing maintenance at least once a year. Moreover, they do not remove the fine mist and smoke particles generated by pressurizing the coolant and high spindle speeds. If a filter is used, it must be a high efficiency filter in order to be effective on the fine mist. These filters are effective; however, they plug up quickly and must be replaced. Traditional electronic air cleaners often need periodic cleaning. Impingers are effective on large droplets, but let the small ones through. The MistBuster 500 is a totally different approach which works on both large and small droplets. The patent pending model allows precipitation and impingement to work with minimal airflow so the coolant mist (oil or synthetic) is able to be recycled.

The new MistBuster 500 avoids the problems associated with centrifugal units and makes it easy to meet the stringent NIOSH criteria for metalworking fluids by using the most recent developments in air cleaning technology. Traditional assumptions no longer apply in today's high output environment which creates atomized mists. The new MistBuster 500 uses an innovative application of proven electronic and impinger technology to radically reduce air cleaner size, as well as, minimizing purchase and operating costs without sacrificing efficiency and performance. Optional mounting system allows the MistBuster 500 to be connected to a ducted application when direct cabinet mounting is not feasible. This new mounting



system thereby allows the facility operator to provide optimum control of metalworking fluid mists with a maximum of installation flexibility.

Other advantages include:

- Clean Air - Eliminates the haze associated with most metalworking operations
- Safety - Reduces the risk of accidents caused by slippery surfaces
- Metalworking Fluid Savings - The MistBuster 500 collector collects and returns the metalworking fluid to your machine rather than venting it to the atmosphere. It works on all coolant mists
- Cleaning Cost Savings - Uncontrolled metalworking fluid mist will soil machinery, floors and ceilings
- Quiet Operation - No screeching which is characteristic of old centrifugal models
- Hi Efficiency - Even on pressurized coolant applications where centrifugals are ineffective
- Negligible Maintenance - Unlike high maintenance centrifugal units
- Self-Cleaning - No filters to replace

Sized right for your equipment, the MistBuster 500 gives you unparalleled air cleaning performance and maximum cost effectiveness.

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