

Avon CNC are pleased to be able to offer and support a **fully comprehensive coolant management, oil skimmers and air filtration service.**



*Avon CNC
Services Ltd*

Advantages include:

- ⚙ Low running costs
- ⚙ Simple installation
- ⚙ Settings for oil and water-based lubricants
- ⚙ No coolant loss
- ⚙ Low cost easy maintenance



We can now supply tank cleaning, oil skimmers, coolant checks and fit the complete range of MistBuster high efficiency air filtration and extraction systems. With a complete package to ensure **compliance with HSE requirements.**





Avon CNC support for the UK

- ⚙ Installations of the MistBuster to the CNC Machine, at the OEM manufacturer or distributor or at the customers facility.
- ⚙ Full support on the MistBuster products within the UK.
- ⚙ One year's warranty on all installations.
- ⚙ Stock items for replacement parts and spares.
- ⚙ Office hours telephone support for customers.
- ⚙ Next day sit visit for support issues.
- ⚙ Full coolant management service available.
- ⚙ Bespoke installations to maximise efficiency.
- ⚙ Avon CNC also support any CNC breakdowns and services.



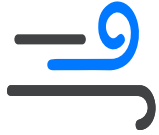
For more information please visit our website.

<http://www.avoncnc.co.uk>



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Indoor Air Quality Solutions for Machining Applications

MistBuster® product range

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About MistBuster®

The Mistbuster® product range are used globally in various applications, not all in engineering. Below are some of the more common areas of integration.

- EDM/Spark erosion
- Grinding
- Machining Centre's
- Industrial saws
- Bespoke integration special purpose
- Lathes
- Parts washing
- Neat oil applications
- Food processing

There are many advantages provided by using the MistBuster® units, such as;

Low running costs

The MistBuster® range consumes around 50% less electricity than a centrifugal system. This creates massive savings per unit.

Less noise pollution

The MistBuster® range are quieter in operation than a centrifugal system thanks to the impeller technology noise pollution is reduced.

Easy maintenance reduces downtime

Maintenance times are reduced compared to centrifugal systems. The cells can be replaced with clean ones in 10-15 minutes per unit.

No HEPA filters

No replacement HEPA filters are required 2-3 times a year. Therefore, no chemical waste companies are required to dispose of your filters. Simply wash the MistBuster® cells filters with solution and warm water 2-3 times a year, dependant on production.

Coolant is recycled

All coolant sucked into the mist extractor is recycled back to the CNC machine. No coolant is lost.



MistBuster® 850 Compact



A compact version of the MistBuster 850 electrostatic precipitation air cleaning system for the source capture and removal of smoke, mist and metal particles generated by today's machining applications.

In the MistBuster product family, the system provides a higher spindle speed and coolant pressure (600–1,500 PSI).

The MistBuster 850 Compact four-stage air filtration system features Air Quality Engineering, The electronic collector cells provide a collection efficiency up to **98.6%** on all submicron particles.

Specifications

Total Cells	2 high efficiency electrostatic cells
Total filters	5
Capacity	20 - 1275 ³ HR
DB	10 - 55db
Supply	230v - 1.75A
Guarantee	1 year



MistBuster® 850



In the MistBuster family of products, the system dupplies a higher spindle speed and coolant pressure (600–1,500 PSI).

The MistBuster 850 five-stage air filtration system features Air Quality Engineering, Inc.'s patented Advantage™ electronic collector cell and one or two high-efficiency electronic collector cells. The electronic collector cells provide a collection efficiency up to **99.4%** on all submicron particles. An optional fifth-stage HEPA filter offers filtration efficiency up to **99.97%**.

Specifications

Total Cells	3 high efficieny electrostatic cells
Total filters	6
Capacity	20 - 1450 ³ HR
DB	10 - 62db
Supply	230v - 2.5A
Guarantee	1 year



MistBuster® 2000



The system provides the highest spindle speed and coolant pressure (1,500–2,000 PSI) in the MistBuster product family.

The MistBuster 2000 five-stage air cleaning system features two of Air Quality Engineering, Inc.'s patented Advantage™ electronic collector cells in stage two, two high-efficiency electronic collector cells in stage three and an optional two high-efficiency electronic collector cells in stage four. The collector cells provide a filtration efficiency up to **99.6%** on all submicron particles.

Specifications

Total Cells	6 high efficiency electrostatic cells
Total filters	9
Capacity	20 - 2800 ³ HR
DB	10 - 62db
Supply	230v - 4.1A
Guarantee	1 year



MistBuster® 500



An electrostatic precipitation air cleaning system for the source collection and removal of mist, smoke and metal particles produced by machine tool operations. In the MistBuster family of products, the system supplies a lower spindle speed and coolant pressure (0–600 PSI).

The MistBuster 500 three-stage air filtration system features Air Quality Engineering, Inc.'s patented Advantage™ electronic collector cell and a collection efficiency of up to **97.8%** on all submicron particles.

Specifications

Total Cells	1 high efficiency electrostatic cell
Total filters	4
Capacity	20 - 850M ³ HR
DB	10 - 44db
Supply	200v - 240v 1.25A
Guarantee	1 year

See **page 8** to find out about the different filter system options.



MistBuster® 500 Media



A media-based air cleaning system for the source collection of smoke, mist and metal particles produced by machining applications. The system uses a second-stage MERV 15 pleated filter.

The MistBuster 500 Media three-stage air cleaning system provides up to **95%** collection efficiency using a disposable MERV 15 pleated filter. Airflow is variable and controllable up to 500 CFM.

Specifications

Total Cells	1 high efficiency electrostatic cell
Total filters	4
Capacity	20 - 850M ³ HR
DB	10 - 44db
Supply	200v - 240v 1.25A
Guarantee	1 year

See **page 8** to find out about the different filter system options.

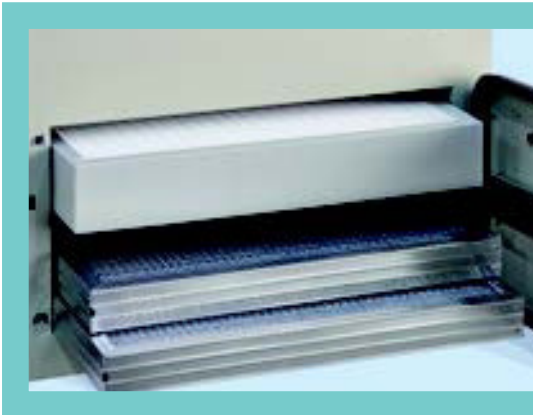


MistBuster® Filters & Impeller technology



There are two different filter systems on the MistBuster® 500 and MistBuster® 500 Media.

This is the electostatic filter. This shows the MistBuster® 500 with one AQE advantage cell and two aluminium impingers.



This is the MistBuster® 500 Media with a **95%** efficient MERV 15 pleated filter and two aluminium impingers.



The patented impeller system provided for the MistBuster® product range helps deliver the highly efficient extraction rates.

MistBuster® units operate around **50%** cheaper than the centrifugal solutions available on the market. These savings are proving to be massive.

One of our customers generated annual savings of over **£600 per CNC machine**. They have over 30 MistBuster® units on site. By fitting MistBuster® units they have created **savings of £18,000 annually** on their electrical consumption.



Mounting and ducting options

Machine shops and facilities vary in size and the space available for installing air filtration systems. To make the most efficient use of the area available in your facility or plant, we offer a variety of mounting and ducting accessories that complement the MistBuster product line.

Our lineup of MistBuster mounting options includes:

Direct — unit is mounted directly on top of a machine tool, no additional ducting or accessories required



Pedestal stand unit is mounted on a floor stand and ducted to a machine tool.



Machine mount stand unit is mounted on a machine tool with the stand, which allows for ducting to other sections of the machine tool enclosure.



Ceiling or wall units can be suspended from the ceiling due to mounting fixtures or mounted via a bracket to a nearby wall.



Avon CNC support for the UK

Avon CNC offer a range of different support for customers in the UK such as;

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- Full support on the MistBuster products within the UK.
- One year's warranty on all installations.
- Stock items for replacement parts and spares.
- Office hours telephone support for customers.
- Next day sit visit for support issues.
- Full coolant management service available.
- Bespoke installations to maximise efficiency.
- Avon CNC also support any CNC breakdowns and services.



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For more information please
visit our website.
<http://www.avoncnc.co.uk>

