

Tri-Mist 1000

High Efficiency Mist & Smoke Collector

FEATURES

- Effective on all metalworking fluids
- Low maintenance
- Low operating cost
- Performance guaranteed
- Triple-pass ESP technology
- Motor and control prewired
- Variable-speed controller
- Four-year parts warranty

APPLICATIONS

- Swiss lathes
- Vertical machining centers
- Horizontal machining centers
- Thread grinding
- Rotary transfer machines
- Gear hobbers
- Water jet deburring
- Screw machines
- High speed grinders
- OD grinders
- Machine tools with mist and smoke problems



Tri-Mist 1000 with optional machine stand and plenum

HIGH EFFICIENCY MIST & SMOKE REMOVAL

Up to 99% per ASHRAE 52.2. Effective on all metal working fluids.

ECONOMICAL OPERATION

Triple-pass ESP technology operates on less than 450 watts and does not require disposable filters.

EASY INSTALLATION

Tri-Mist 1000 compact design can be direct mounted to the machine tool enclosure. Optional flex-duct and inlet plenum options allow for ceiling, wall or floor-mount installations.

PERFORMANCE GUARANTEED

Buy a new Tri-Mist 1000 under our performance guarantee, and if you are not satisfied, return it for a refund.

WARRANTY

Tri-Mist has the longest warranty in its class with a 48-month limited warranty.

Better built. Better backed!

Tri-Mist 1000

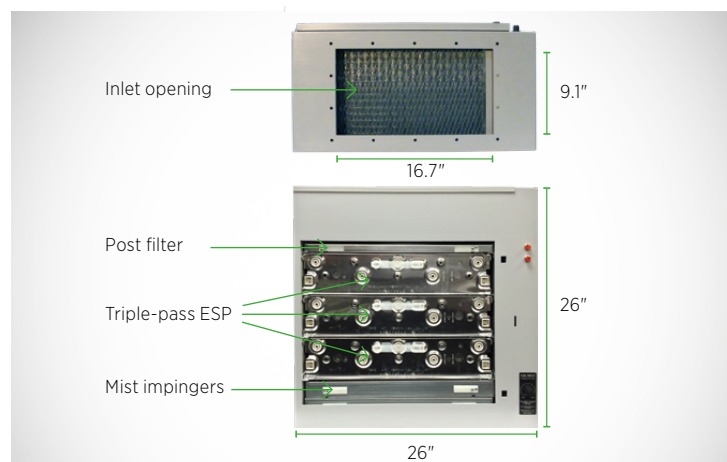
Technical specifications

SPECIFICATIONS & PERFORMANCE

Product	TRI-MIST 1000
Dimensions	26" x 13.75" x 26"
Inlet Dimensions	16.70" x 9.10"
Cabinet	16 ga. steel welded with chemical-resistant powder paint
Weight	115 lbs (installed); 145 lbs (shipping)
Efficiency	Up to 99% per ASHRAE 52.2
Air Flow	50 – 1000 CFM
ESP Power Supply	Solid state & self regulating
Electrical Rating	115 V, 60 HZ, 4 amps 200 – 240 V, 50 – 60 HZ, 2 amps 400 – 480V, 50 – 60 HZ, 1 amp Voltage must be specified when ordering. Input voltage cannot be changed in the field
Impeller	Vibration free, backward curve rated 1100 CFM @ 0.0" w.g.
Sound Levels	69 dB(A)
Options	Source capture plenums; 6th Stage HEPA 99.97% @ 0.3 micron; floor-mount stands; ceiling hanging kit; flex duct

FILTRATION STAGES

Stage	Detail
1st	Two 2" mechanical impingers
2nd	ESP cell 53 sq. ft. of surface area (Minimum voltage gradient is 20,000 volts per inch)
3rd	ESP cell 53 sq. ft. of surface area
4th	ESP cell 53 sq. ft. of surface area
5th	1" thick post filter
6th	Optional HEPAMAX filter rated at 99.97% DOP @ 0.3 micron



Top: View from below Tri-Mist 1000. Bottom: Internal view

Tri-Dim Filter Corporation is committed to continual product development – all descriptions, specifications and performance data are subject to change without notice. Tri-Dim products are manufactured to exacting criteria – there can be a ±5% variance in filter performance.

LOCAL REPRESENTATIVE