

*Welcome to the Next Generation  
in Mist & Smoke Collectors...*

# **TRI-MIST 850 G2**

**HIGH EFFICIENCY MIST & SMOKE COLLECTOR**



- **Effective on All Metal Working Fluids**
- **Low Maintenance**
- **Low Operating Cost**
- **Performance Guaranteed**

## **TYPICAL APPLICATIONS:**

- ▲ **Swiss Lathes**
- ▲ **Vertical Machining Centers**
- ▲ **Horizontal Machining Centers**
- ▲ **Parts Washers**
- ▲ **Rotary Transfer Machines**
- ▲ **Gear Hobbers**
- ▲ **Water Jet Deburring**
- ▲ **Screw Machines**
- ▲ **High Speed Grinders**
- ▲ **OD Grinders**
- ▲ **Machine Tools with Mist and Smoke Problems**

# TRI-MIST 850

## Features & Specifications

### High Efficiency Mist & Smoke Removal

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

### Economical Operation

Double-Pass ESP Technology operates on less than 450 watts and does not require disposable filters.

### Easy Installation

The TRI-MIST 850 G2 is compact and 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 our new TRI-MIST 850 G2 under our performance guarantee, and if you are not satisfied, return it for a full refund.

### Warranty

The Tri-Mist G2 has the longest warranty in its class with a 48 month limited warranty. Better built – Better backed!

## Specifications:

**Dimensions:** 26" x 13.75" x 21.5"  
Inlet Opening: 16.70" x 9.10"

**Cabinet:** 16 ga. Steel welded with chemical resistant powder paint

**Weight:** 100 lbs Installed;  
125 lbs. Shipping

**Efficiency:** Up to 99% per ASHRAE 52.2

### Filtration:

1<sup>st</sup> Stage – 4" mechanical impinger.

2<sup>nd</sup> Stage – ESP cell 53 sq. ft. of surface area (Minimum voltage gradient is 20,000 volts per inch.)

3<sup>rd</sup> Stage – ESP cell 53 sq. ft. of surface area.

4<sup>th</sup> Stage – 1" thick post filter

5<sup>th</sup> Stage – Optional HEPAMAX filter rated at 99.97% DOP @ .3 micron.

### Airflow:

50-850 CFM

**ESP Power Supply:** Solid-state & self-regulating.

### Electrical Rating:

115 V, 50-60 HZ, 4 amps.  
208-230 V, 50-60 HZ, 2 amps.  
400-480V, 50-60 HZ, 1 amp  
Voltage must be specified when ordered. Input voltage cannot be changed in the field.

**Impeller:** Vibration free, backward curve rated at 1050 cfm @ 0.0" w.g.

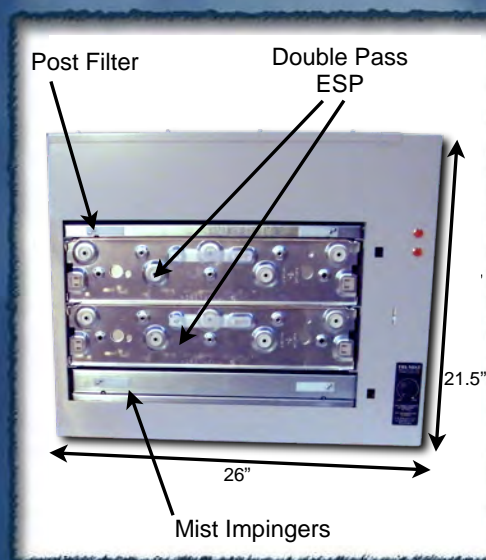
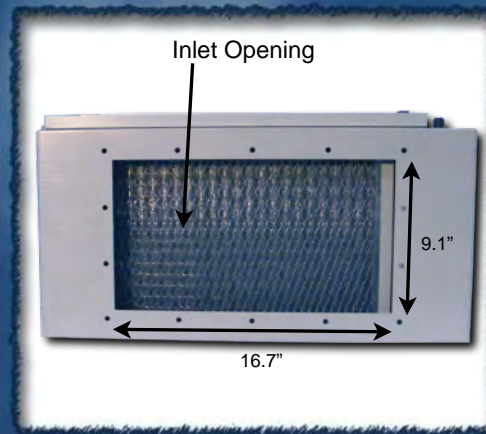
**Sound Levels:** 69 dBA

### Additional Features:

- Double Pass ESP Technology
- Coated cells
- Motor and control prewired
- Variable Speed Controller
- Four year parts warranty

### Optional Accessories

- Source capture plenums
- 5<sup>th</sup> Stage HEPA
- Floor mount stands
- Ceiling hanging kit
- Flex Duct



Manufactured by:



**TRI-DIM**  
FILTER CORPORATION  
TRI-DIM FILTER CORPORATION  
999 Raymond Street  
ELGIN, IL 60120  
(800) 544-0094 • FAX: (847) 695-7938  
[www.trimist.com](http://www.trimist.com) • [www.tridim.com](http://www.tridim.com)

