

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

# **TRI-MIST 850**

**HIGH EFFICIENCY MIST & SMOKE COLLECTOR**



**Tri-Mist 850**

- **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 52.1. Effective on all metal working fluids.

### Low Maintenance Costs

Very low maintenance. No disposable filters to replace, ever!

### Easy Installation

The TRI-MIST 850 is compact and can be direct mounted to the machine tool enclosure. Optional flex-duct and inlet plenum options allow for remote installations.

### Performance Guaranteed

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

### Low Operating Costs

The TRI-MIST 850 operates at less than 450 watts.

### Warranty

Four-year warranty on complete unit!

### Specifications:

**Dimensions:** 25" x 13.75" x 20.25"  
Inlet Opening: 16.70" x 9.10"

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

**Weight:** 90 lbs Installed; 101 lbs. Shipping

**Efficiency:** Up to 99% per ASHRAE 52.1

#### Filtration:

1<sup>st</sup> Stage – 3" 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

**Power Supply:** Solid-state, dual voltage self-regulating.

**Electrical Rating:** 115 Vac, 60 HZ, 4 amps. 208-230 Vac, 50-60 HZ, 2 amps.

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

**Sound Levels:** 69 dBA

#### Additional Features:

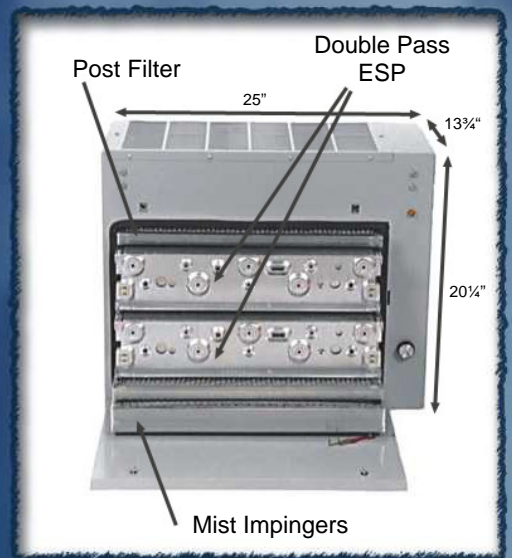
- Double Pass ESP Technology
- Motor and control prewired
- Variable Speed Controller
- Four year parts warranty

#### Optional Accessories

- Source capture plenum
- 5<sup>th</sup> Stage HEPA, 99.97% @ .3 micron
- Machine mount stand
- Ceiling hanging kit
- Flex Duct

### Manufactured by:

**TRI-DIM FILTER CORPORATION**  
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Shown with optional machine stand and plenum