TOTAL FILTRATION USA




# MFi 2500 OIL MIST FILTER

Three-stage media filtration with a HEPA H14 final stage, for larger CNC machines.

**1,477 CFM max airflow**

**Up to 99.95% efficiency**

**HEPA H14 final stage**

**PRODUCT BROCHURE | VERSION 1.0**

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# CLEAN AIR FOR US MACHINE SHOPS

Total Filtration USA LLC supplies industrial air filtration to manufacturers across the US. Alongside our ESPi electrostatic range, MFi 2500 captures oil mist, smoke and fumes at the machine with multi-stage media filters. Our manufacturing partner has built industrial air filtration since 1984, and our founding team brings over 40 years of manufacturing and engineering experience.

## ONE PARTNER FOR THE LIFE OF THE SYSTEM

One US point of contact from the first conversation through installation, service parts and support. We only distribute proven products from specialist manufacturers.

### WHAT YOU GET FROM TFUSA

**US BASED**
A US company with sales and technical support here in the US.

**BUILT FOR MACHINE SHOPS**
Units sized for CNC machine tools, from one machine to a full shop floor.

**LOWER RUNNING COSTS**
Long-life filter stages, with replacement filters supplied by our US team.

**HELP WHEN YOU NEED IT**
We help you choose, size and install the right unit, then supply the parts after.

**Up to 99.95%**
**Filtration efficiency**
With a HEPA H14 (MERV 17) final stage.

**3 stages**
**Media filtration**
Wire mesh, MERV 8 panel and HEPA H14.

**1,477 CFM**
**Max airflow**
For larger, high-pressure straight oil machines.

Figures are the manufacturer's published data. Results vary by machine, fluid and process.

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# HOW MFi 2500 WORKS

MFi 2500 is a media filter. Its built-in fan pulls air through three filter stages, finishing with a HEPA H14 filter.

**1**

### DRAW IN

The built-in fan pulls mist, smoke and fumes from the machine.

**2**

### WIRE MESH

The first stage catches the larger oil droplets.

**3**

### MERV 8 PANEL

A panel filter takes out finer mist and dust.

**4**

### HEPA H14

A HEPA H14 (MERV 17) filter removes the finest particles.

**Up to 99.95%**
Filtration efficiency

**3 stages**
Mesh, panel and HEPA

**1,477 CFM**
Max airflow

### WHEN TO CHOOSE MFi

MFi suits larger, high-pressure straight oil machines that move a lot of air. Its HEPA final stage makes it effective for most manufacturing processes. We can help you compare it with an ESPi for your machine.

### TYPICAL APPLICATIONS

CNC machine tools
Larger, high-pressure straight oil machines
Oil mist and oil smoke
Fumes and dust

### SUPPORTS OSHA COMPLIANCE

Capturing mist and smoke at the machine supports compliance with OSHA permissible exposure limits (PELs) for mineral oil mist and airborne particulates (29 CFR 1910.1000).

# MFi 2500

A machine-mounted media filter with an integrated fan and three filter stages, suited to larger, high-pressure straight oil machines.



## WHERE IT FITS

- Larger, high-pressure straight oil machines
- Processes that need HEPA-level filtration of mist, smoke and fumes

## KEY FEATURES

- Up to 99.95% efficiency
- Three stages: wire mesh, MERV 8 panel and HEPA H14 (MERV 17)
- Integrated fan system and modular design
- Can vent directly to atmosphere
- Easy to install, with minimal maintenance

**HEPA H14 FINAL STAGE**

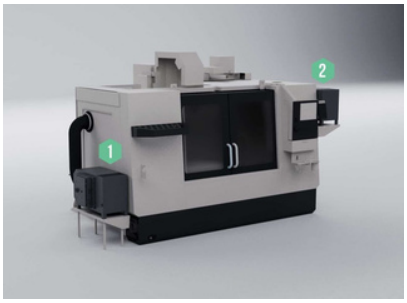
Rated MERV 17, for up to 99.95% efficiency.

## SPECIFICATIONS

| | |
|---|---|
| **Type** | Three-stage media filter |
| **Max airflow** | Up to 1,477 CFM |
| **Filtration efficiency** | Up to 99.95% |
| **Filter stages** | Wire mesh, MERV 8 panel, HEPA H14 (MERV 17) |
| **Dimensions** | W 24.0 x H 26.4 x D 42.6 in |
| **Weight** | 150 lb |
| **Electrical supply** | 220/240 V, single phase, 50/60 Hz |
| **Removes** | Oil mist, oil smoke, fumes and dust |
| **Venting** | Back to the shop, or directly to atmosphere |
| **Mounting** | Side with gallows bracket or stand; direct only on larger machinery |

# INSTALLATION AND SUPPORT

MFi 2500 mounts beside the machine, and our US team helps from selection to service.




### HOW IT'S INSTALLED

Mount the unit beside the machine on a gallows bracket or a stand, or connect it for direct venting to atmosphere.

### MOUNTING OPTIONS

| | |
|---|---|
| **Side mount** | With a gallows bracket |
| **Stand mount** | On a separate stand |
| **Direct mount** | Only on larger machinery |

## SUPPORT AND SELECTION

We help you choose the right unit for the machine, the process and the space around it.

1. **ASSESS**
   We look at the machine, the fluid, the process and the space around it.
2. **SIZE**
   We match the airflow to the machine and confirm whether MFi 2500 or an ESPi suits the process.
3. **INSTALL**
   We provide install guidance and can recommend qualified install partners in most US regions.
4. **MAINTAIN**
   We supply replacement mesh, panel and HEPA filters, and advise on change intervals.

**US-BASED TECHNICAL SUPPORT | PARTS AND CONSUMABLES | SERVICE GUIDANCE**



TOTAL FILTRATION USA

Industrial air cleaning for US manufacturers.

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