

# MIST CAPTURE

OIL MIST & SMOKE FILTRATION



*HIGH EFFICIENCY MIST COLLECTORS*

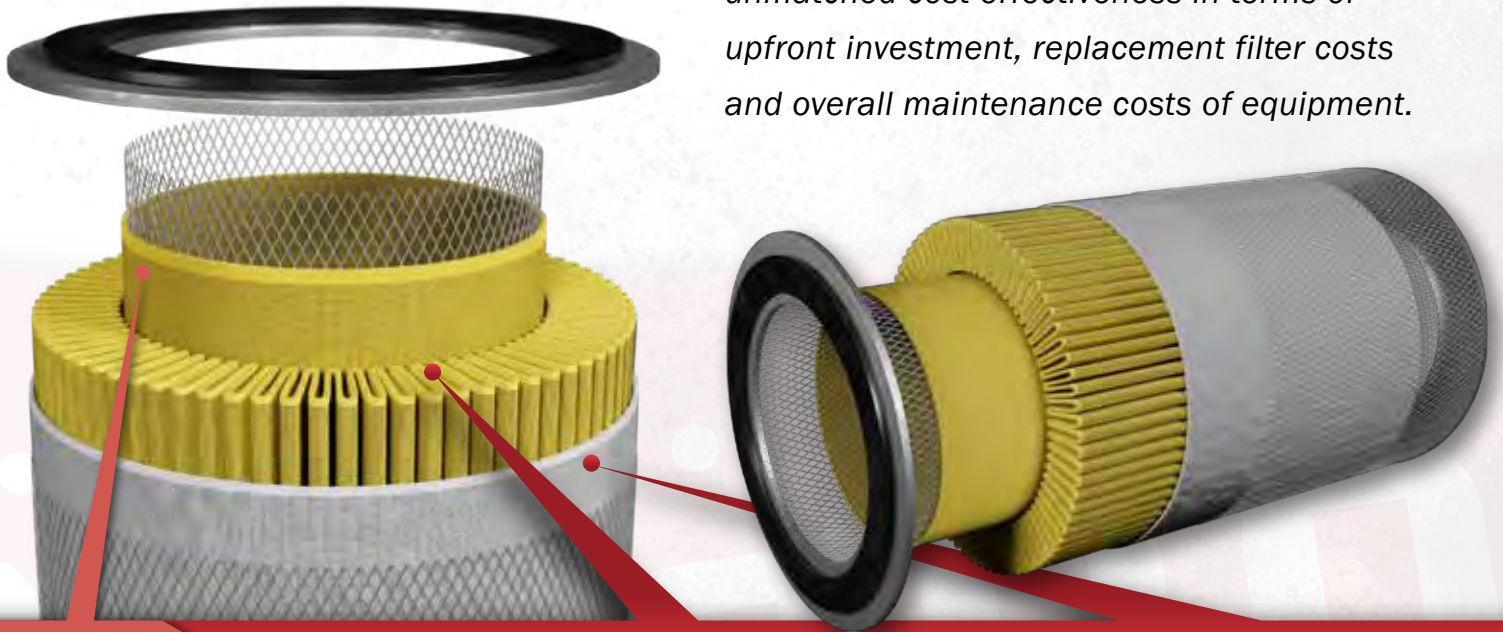
**MICRO AIR**

CLEAN AIR SYSTEMS

®

# Mist Capture, Machining Smoke & Filtration

Our proprietary MISTMax™ filter technology utilizes a combination of Brownian Diffusion (smaller particles randomly combine to form larger, more easily removed particles) and conventional oil mist filtration techniques to provide a highly efficient filter, yet also offers unmatched cost effectiveness in terms of upfront investment, replacement filter costs and overall maintenance costs of equipment.



**PROPRIETARY INNER CORE**

**INNER DRAIN LAYER**

**OUTER DRAIN LAYER**

**High Efficiency  
Oil Mist Filtration**



# Mist Capture, Machining Smoke & Filtration

## Model MM400



### Features

- 400 CFM Actual
- Longer Filter Life than Traditional Filter Technologies
- New MISTMax™ Proprietary Filter Technology Competes with European Technology
- Heavy Duty Cabinet - Rugged Construction
- Mist-X Prefilter
- Up to 99.98% Efficiency Without Additional HEPA Filters
- Minihelic Gauge Indicates Filter Loading
- Front Load, Easy Filter Access
- High Capacity Direct Drive Blower
- Start/Stop Switch std.
- Side Inlet with Pre-Separation Champer
- Bottom Coolant Drain

## Model MM800



### Features

- 800 CFM Actual
- Longer Filter Life than Traditional Filter Technologies
- New MISTMax™ Proprietary Filter Technology Competes with European Technologies
- Heavy Duty Cabinet - Rugged Construction
- Up to 99.98% Efficiency Without Additional HEPA Filters
- Dual Gauges Track Static Pressure on both the Pre-Filter and the Primary Filter
- Front Load, Easy Filter Access
- High Capacity Direct Drive Blower
- Start/Stop Switch std.
- Cam Lock Positive Filter Seal System Ensures No By-Pass

# Mist Capture, Machining Smoke & Filtration

## Model MM1200



### Features

- 1200 CFM Actual
- Longer Filter Life than Traditional Filter Technologies
- New MISTMax™ Proprietary Filter Technology Competes with European Technology
- Heavy Duty Cabinet - Rugged Construction
- Up to 99.98% Efficiency Without Additional HEPA Filters
- Dual Gauges Track Static Pressure on both the Pre-Filter and the Primary Filter
- Front Load, Easy Filter Access
- High Capacity Direct Drive Blower
- Cam Lock Positive Filter Seal System Ensures No By-Pass
- Start/Stop Motor Controls
- 3 ea. 10" dia. Inlet Collars std. Located Left, Right and Back

## Model MM2400



### Features

- 2400 CFM Actual
- Longer Filter Life than Traditional Filter Technologies
- New MISTMax™ Proprietary Filter Technology Competes with European Technology
- Heavy Duty Cabinet - Rugged Construction
- Up to 99.98% Efficiency Without Additional HEPA Filters
- Dual Gauges Track Static Pressure on both the Pre-Filter and the Primary Filter
- Front Load, Easy Filter Access
- High Capacity Direct Drive Blower
- Cam Lock Positive Filter Seal System Ensures No By-Pass
- Start/Stop Motor Controls
- 3 ea. 14" dia. Inlet Collars std. Located Left, Right and Back



# Mist Capture, Machining Smoke & Filtration

## Model MM3600



### Features

- 3600 CFM Actual
- Longer Filter Life than Traditional Filter Technologies
- New MISTMax™ Proprietary Filter Technology Competes with European Technology
- Heavy Duty Cabinet - Rugged Construction
- Up to 99.98% Efficiency Without Additional HEPA Filters
- Dual Gauges Track Static Pressure on both the Pre-Filter and the Primary Filter
- Front Load, Easy Filter Access
- High Capacity Direct Drive Blower
- Cam Lock Positive Filter Seal System Ensures No By-Pass
- Start/Stop Motor Controls
- 3 ea. 14" dia. Inlet Collars std. Located Left, Right and Back





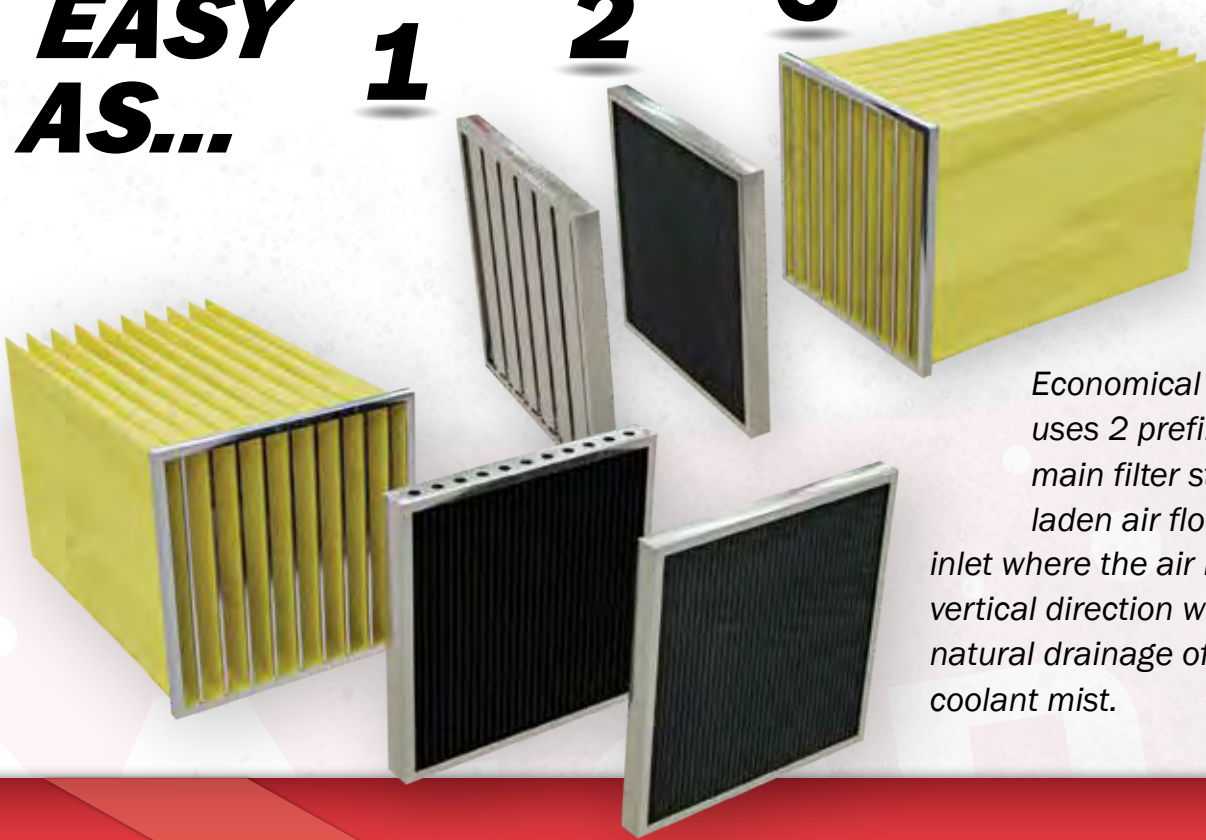
# Mist Capture, Machining Smoke & Filtration

**EASY  
AS...**

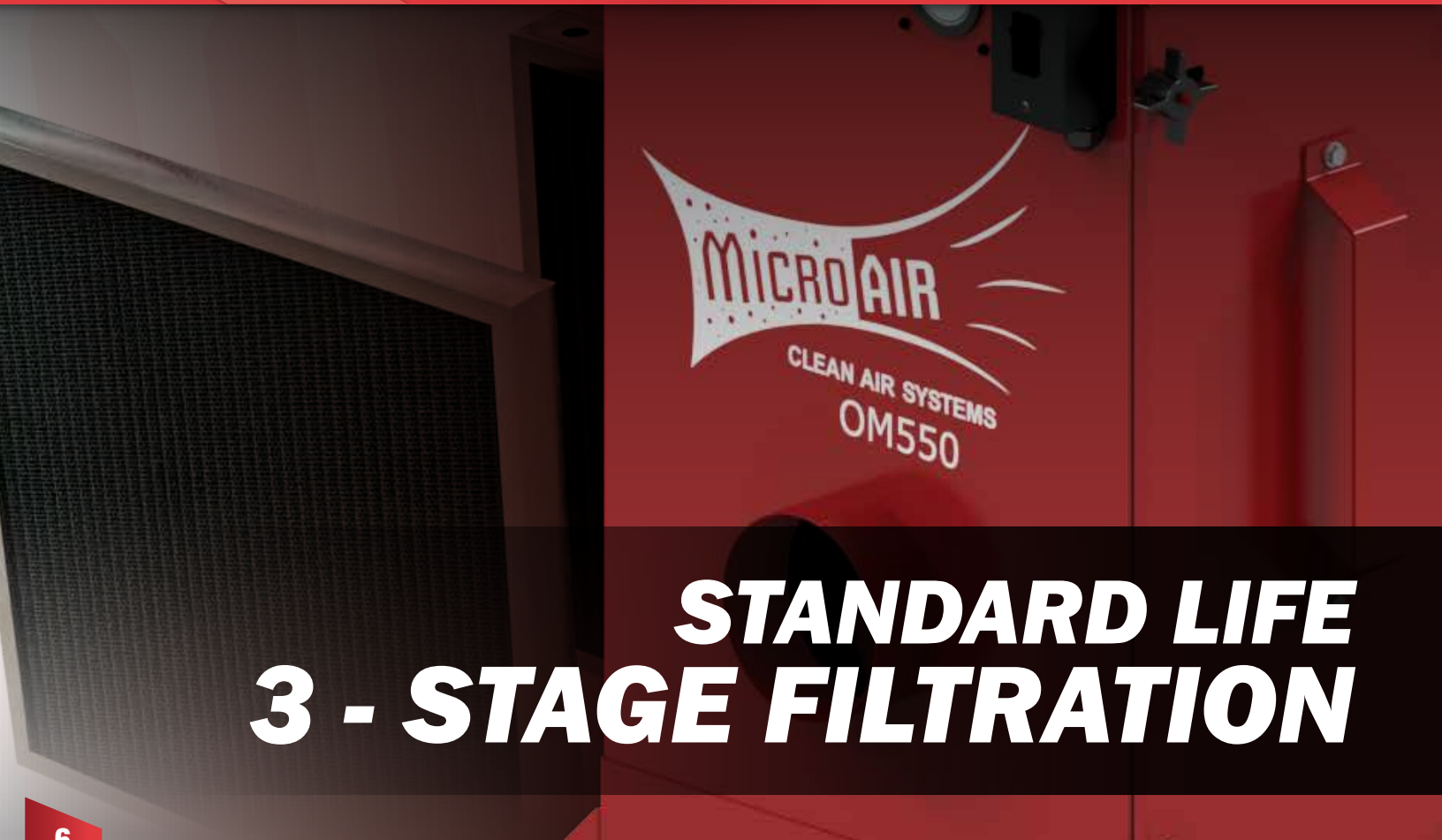
**1**

**2**

**3**



*Economical 3-Stage filtration uses 2 prefilter stages and a main filter stage. Oil mist laden air flows through the inlet where the air is turned in vertical direction which allows for natural drainage of accumulated coolant mist.*



**STANDARD LIFE  
3 - STAGE FILTRATION**

## Model OM550DD



### Features

- 600 CFM Actual
- Exclusive Mist-X Oil Mist Filtration Option
- Multi-Stage Filtration
- Side Load, Easy Filter Access
- Heavy Duty Direct Drive Blower
- 6" Inlet Size
- Up to 3 Stage Filtration
- Built-In Oil Deflector
- Angled Inlet Plenum to Facilitate Coolant Drainage
- Slotted Rails for Easy Filter Installation
- Start/Stop Motor Controls

## Model OM3510



### Features

- Up to 3000 CFM
- Side Load and Hinged Door for Easy Filter Access
- Up to Four-Stage Filtration
- Cam-Lock Positive Filter Sealing
- Filter Change Light or Magnahelic Gauge
- Side Exhaust Capability
- Exclusive Mist-X Oil Mist Filtration Option
- Full Range of Optional Accessories
- Up to Four-Stage Filtration



# Mist Capture, Machining Smoke & Filtration

## Model OM6000DD



### Features

- Up to 6000 CFM
- High Capacity Allows for Multiple Pickups
- Exclusive Mist-X Oil Mist Filtration Option
- Up to Four-Stage Filtration
- Hinged Door for Easy Filter Access
- Heavy-Duty Blower
- Variety of Inlet Sizes
- Cam Lock Positive Filter Seal System Ensures No By-Pass
- Full Range of Optional Accessories

## Model OM6000



### Features

- Up to 5000 CFM
- High Capacity Allows for Multiple Pickups
- Exclusive Mist-X Oil Mist Filtration Option
- Up to Four-Stage Filtration
- Hinged Door for Easy Filter Access
- Variety of Inlet Sizes
- Cam Lock Positive Filter Seal System Ensures No By-Pass
- Full Range of Optional Accessories



# Mist Capture, Machining Smoke & Filtration

## Model MX3510



### Features

- Up to 2200 CFM
- Exclusive Mist-X Oil Mist Filtration Option
- Hinged Door for Easy Filter Access
- Filter Change Light or Magnahelic Gauge
- Up to Four-Stage Filtration
- 4-Way Adjustable Outlet Louvers
- Cam Lock Positive Filter Seal System Ensures No By-Pass
- Full Range of Optional Accessories

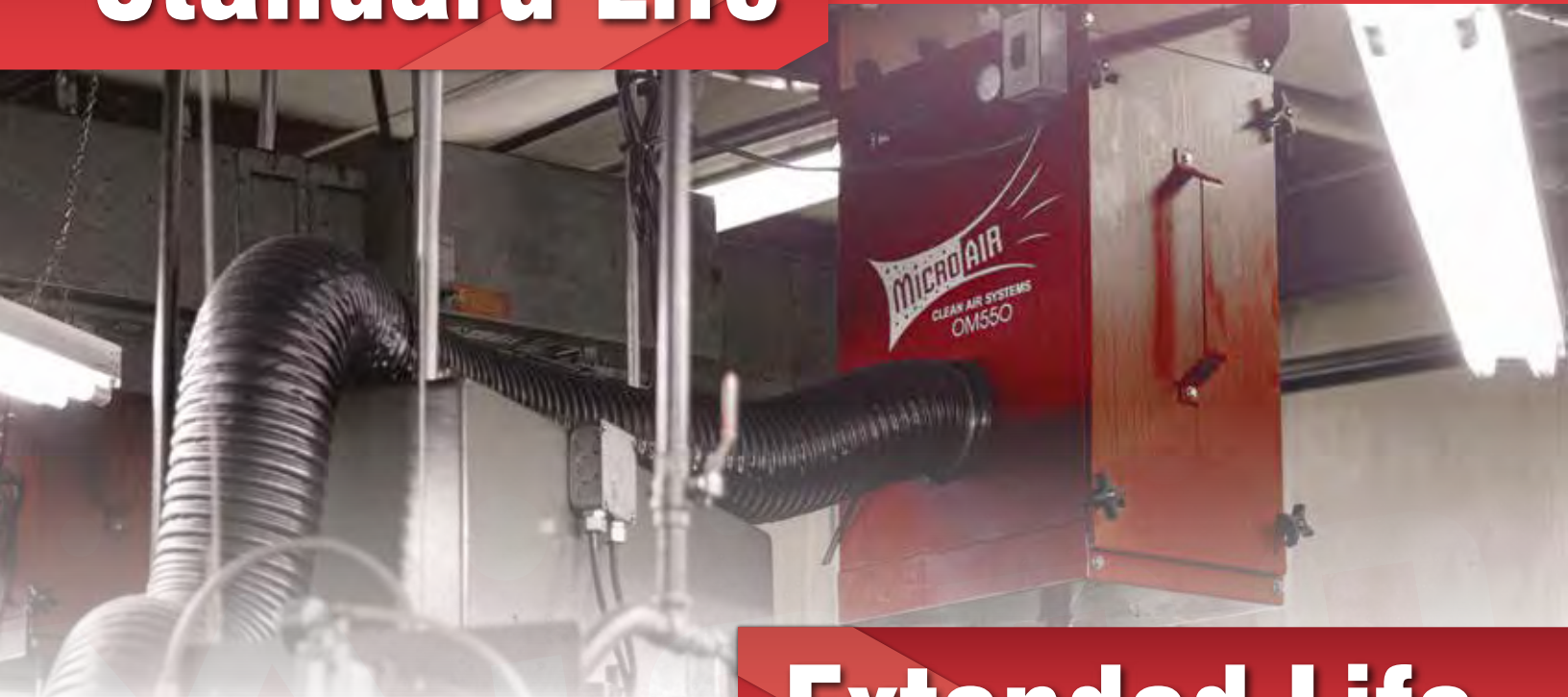
## Model MX6000



### Features

- Up to 4500 CFM
- Exclusive Mist-X Oil Mist Filtration Option
- Up to Four-Stage Filtration
- Full Range of Optional Accessories
- Motor Starter/Overload Relay Standard
- 4-Way Adjustable Exhaust Grilles
- Hinge Door for Easy Filter Access
- Cam Lock Positive Filter Seal System Ensures No By-Pass

## Standard Life

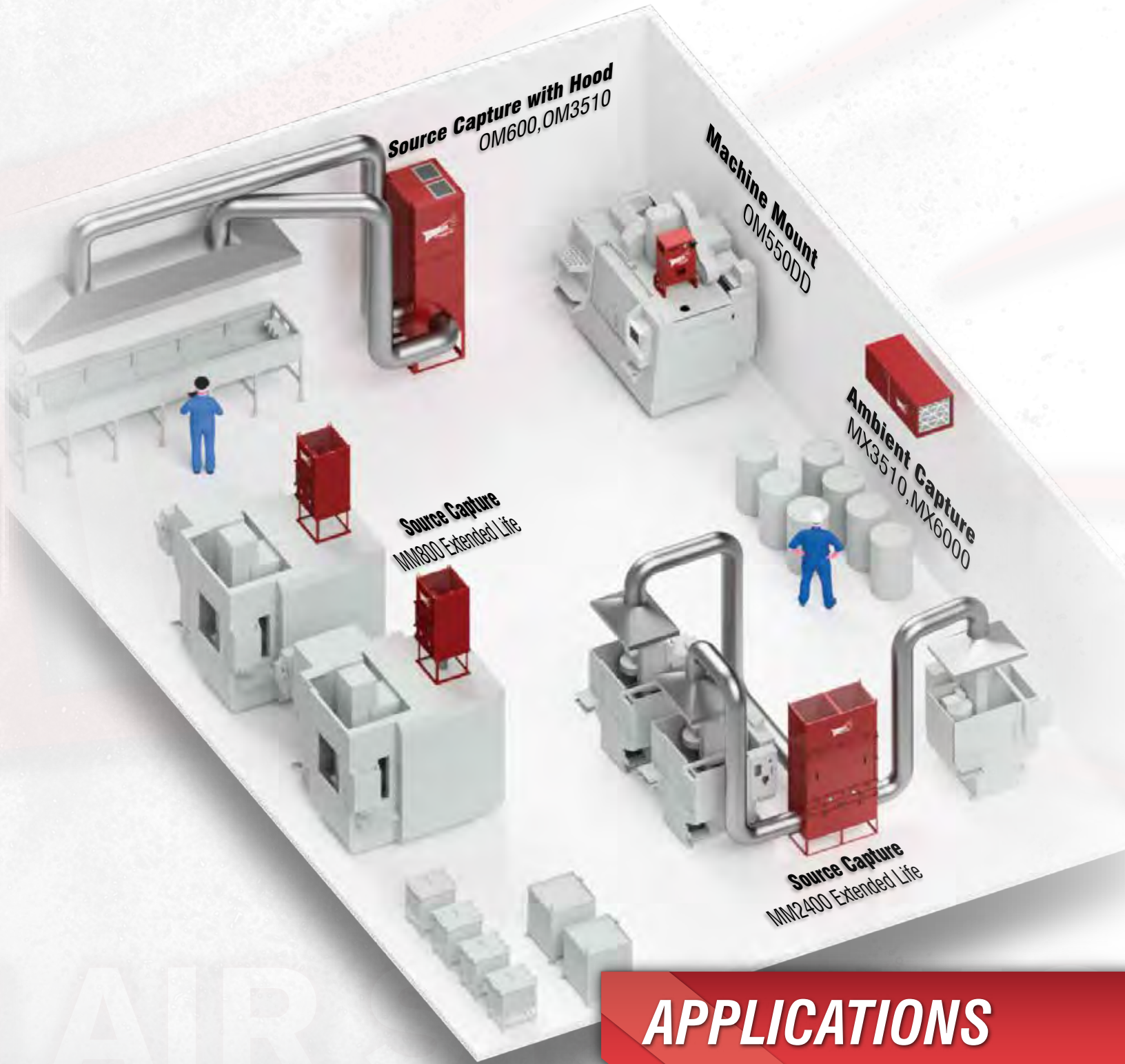


## Extended Life





# Mist Capture, Machining Smoke & Filtration



**Source Capture with Hood**  
OM600, OM3510

**Machine Mount**  
OM550DD

**Ambient Capture**  
MX3510, MX6000

**Source Capture**  
MM800 Extended Life

**Source Capture**  
MM2400 Extended Life

## APPLICATIONS



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