

NEW  
PRODUCTS &  
UPGRADES!



# TANIS

Technologies LLC

Product Specs &  
Customer Reviews

*Coolant Mist Collector.com*

*Module-Air.com*



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**NEW!!**

## Triple AF-07 Unit:

- 6,000 CFM
- Wall-mount, machine mount, or stand mount.
- Shown with 16" ducting kit and 3 Magnetic Start/Stop Switch Kits.
- Removes mist, smoke, and over 300 toxic gases.
- **30 minutes of maintenance PER YEAR.**
- Precision machined parts, bolted and riveted.
- Runs QUIET – 65 dB mean you won't hear it!

**SATISFACTION**  
**GUARANTEED!**



**THE PERFECT SOLUTION  
FOR HARD-TO-MANAGE  
GUNDRILLS.**

- EASY INSTALL
- NO-TOOL FILTER CHANGES
- 30 MINUTES OF MAINTENANCE PER YEAR

***CoolantMistCollector.com***



Product Specs:

**Model #: AF-03 Coolant Mist Collector**

**Motor:** ¾ HP Premium Grade Ball Bearing

**Amps:** 9.1 FLA

**Drive:** Direct Drive

**Volts:** 110V Single phase, 220V also available

**Weight:** 108 lbs.

**Overall Dimensions:** 24" (L) x 18.5" (W) x 43" (H)

**Filter sizes:**

-Coalescing: 16" x 16" x 6" (self-cleaning)

-Main filters: 16" x 16" x 11.5" and 16" x 16" x 2"

**Construction:** Steel & Aluminum; Bolted, Riveted & Welded

**Fan:** Forward Curve

**Finish:** Gloss White, Flat Black Powdercoat

**dB:** 55 (You won't hear it run.)

**Applications:** Collects coolant mist, oil, smoke, toxic gases. Can be modified for cast iron dust.

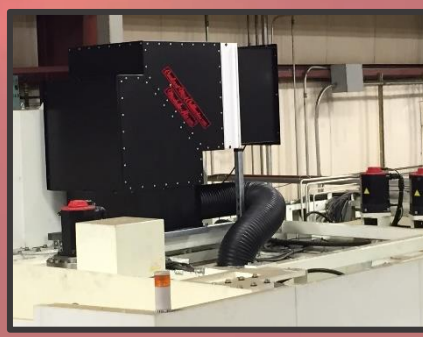
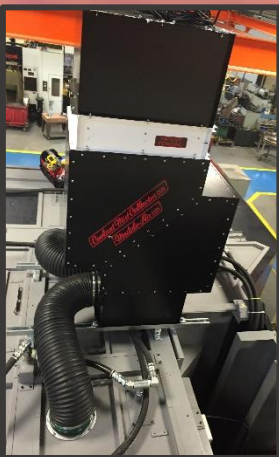


**STANDARD FEATURES:**

- Vertical or Horizontal mounting
- Direct mount or duct kits available
- No added humidity.
- Any level of filtration available.
- 10 minutes of maintenance per year.
- All moving parts readily available.

**Also available:**

- Cast Iron dust kits (Wet & Dry)
- Easy Magnetic Start/Stop Switch Kits
- Flexible Hose or Rigid Steel Ducting Kits
- 1-1/2' rolling or 5' stationary stands
- HEPA filter upgrade attachment



Product Specs:

**Model #: AF-07 Coolant Mist Collector**

**Motor:** ¾ HP Premium Grade Ball Bearing

**Amps:** 10.8 FLA

**Drive:** Direct Drive

**Volts:** 110V Single phase, 220V also available

**Weight:** 190 lbs.

**Overall Dimensions:** 33.75" (L) x 25.75" (W) x 60.5" (H)

**Filter sizes:**

-Coalescing: 23-3/8" x 23-3/8" x 6" (self-cleaning)

-Main filters: 23-3/8" x 23-3/8" x 15" and 24" x 24" x 2"

**Construction:** Steel & Aluminum; Bolted, Riveted, & Welded

**Fan:** Forward Curve

**Finish:** Gloss White, Flat Black Powdercoat

**dB:** 55 (You won't hear it run.)

**Applications:** Collect coolant mist, oil, smoke, toxic gases. Can be modified for cast iron dust.

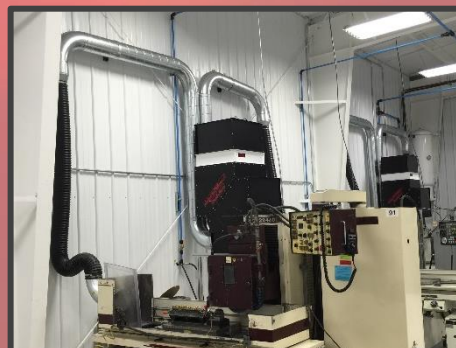
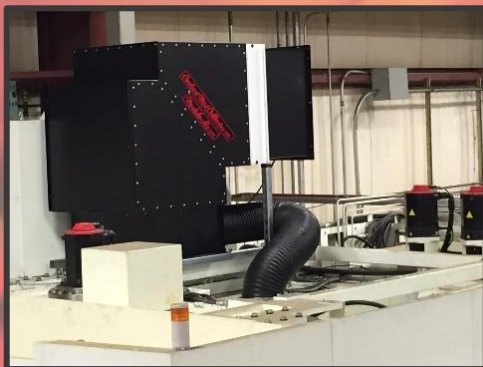


**STANDARD FEATURES:**

- Vertical or horizontal mounting
- Direct mount or duct kits available
- No added humidity.
- Any level of filtration available.
- 10 minutes of maintenance per year.
- All moving parts readily available.

**Also available:**

- Cast Iron dust kits (Wet & Dry)
- Easy Magnetic Start/Stop Switch Kits
- Flexible Hose or Rigid Steel Ducting Kits
- HEPA filter upgrade attachment
- 1-1/2' rolling or 5' stationary stands



Product Specs:

**Model #: AF-10 Coolant Mist Collector**

**Motor:** 1 HP Premium Grade Ball Bearing

**Amps:** 14.7 FLA

**Drive:** Direct Drive

**Volts:** 110V Single phase, 220V also available

**Weight:** 190 lbs.

**Overall Dimensions:** 33.75" (L) x 25.75" (W) x 60.5" (H)

**Filter sizes:** \*Includes upgraded superfine coalescing filter\*

-Coalescing: 23-3/8" x 23-3/8" x 6" (self-cleaning)

-Main filters: 23-3/8" x 23-3/8" x 15" and 24" x 24" x 2"

**Construction:** Steel & Aluminum; Bolted, Riveted & Welded

**Fan:** Forward Curve

**Finish:** Gloss White, Flat Black Powdercoat

**dB:** 55 (You won't hear it run.)

**Applications:** Collect coolant mist, oil, smoke, toxic gases. Can be modified for cast iron dust.

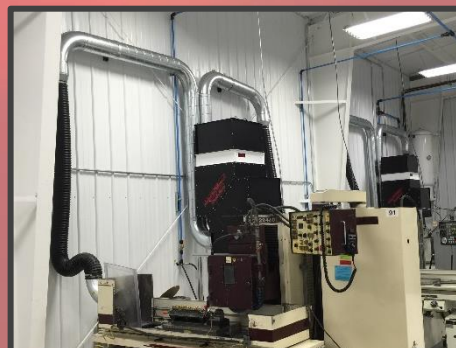
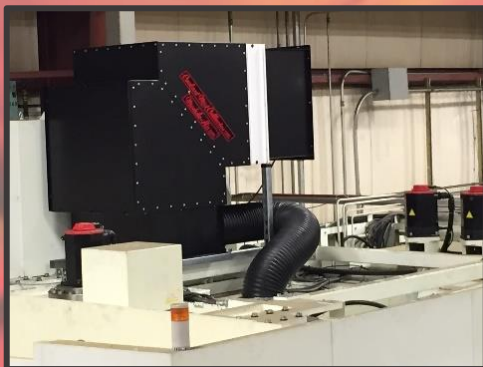


**STANDARD FEATURES:**

- Vertical or horizontal mount
- Direct mount or duct kits available
- No added humidity.
- Any level of filtration available.
- 10 minutes of maintenance per year.
- All moving parts readily available.

**Also available:**

- Cast Iron dust kits (Wet & Dry)
- Easy Magnetic Start/Stop Switch Kits
- Flexible Hose and Rigid Steel Ducting Kits
- HEPA filter upgrade attachment
- 1-1/2' rolling or 5' stationary stands



**NEW: PRECISION FLAT BELT DRIVE  
QUIETER AND MORE EFFICIENT!!**

Product Specs:

**Model #: 1023VT & 1033VT**

**Motor:** 3 HP Premium Grade Ball Bearing

**Amps:** 4.3/ 8.5 FLA

**CFM:** 5,000

**Drive:** Precision Flat Belt Drive

**Volts:** 208/230/480, 575V also available

**Weight:** **1023VT** - 225 lbs, **1033VT** – 245 lbs

**Dimensions:** **1023VT** – 33" x 77" x 26.5"

**1033VT** – 33" x 77" x 44.5"

**Filter sizes:**

- **Pre-filters:** 23 3/8" x 23 3/8" x up to 4"    - **Fiberglass bag filters:** 23 3/8" x 23 3/8" x 21"

Each unit comes equipped with industrial fire patrol spark arrestors

**STANDARD FEATURES:**

- Possible hood mount (**1033VT model only**)
- Easy, no-tool filter changes.
- Hundreds of non-proprietary filter choices.

- Precision machined, balance drive parts.
- Michigan made
- Bearings greasable during operation



**NEW: PRECISION FLAT BELT DRIVE  
QUIETER AND MORE EFFICIENT!!**

Product Specs:

**Model #: 2243 (X-UNIT)**

**Motor:** 5 HP Premium Grade Ball Bearing

**F.L. Amps:** 230V: 12.6 460V: 6.3 575V: 5 CFM:  
8,500

**Drive:** Precision flat belt drive

**Volts:** 230/460, 575V also available

**Weight:** 440 lbs.

**Overall Dimensions:** 114" (L) x 67" (W) x 31" (H)

**Filter sizes:**

- **Pre-filters:** 23-3/8" x 23-3/8" x up to 4"
- **Fiberglass bag filters:** 23-3/8" x 23-3/8" x 21"

Comes equipped with industrial spark arrestors

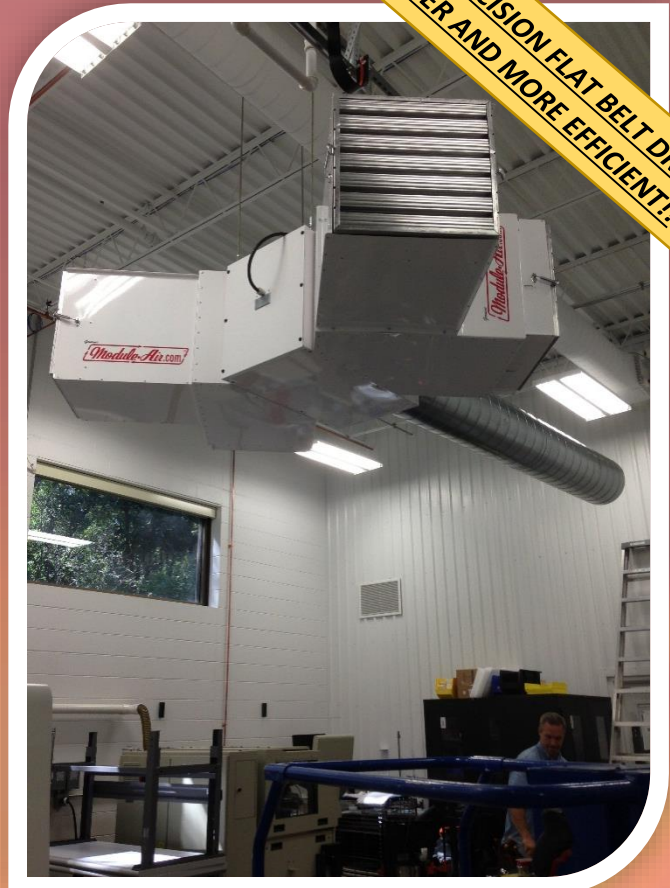
**Construction:** Steel & Aluminum; Bolted, Riveted & Sealed

**Fan:** Forward Curve

**Finish:** Gloss White double powder coat

**dB:** 65 (Barely hear it run.)

**Applications:** Air filtration and mist collection.



**STANDARD FEATURES:**

- Easy, no-tool filter changes.
- Hundreds of non-proprietary filter choices.

- Precision machined, balance drive parts.
- Michigan made.
- Bearings greaseable during operation





**NEW: PRECISION FLAT BELT DRIVE  
QUIETER AND MORE EFFICIENT!!**

Product Specs:

**Model #: 2423 & 2423VT**

**Motor:** 5 HP Premium Grade Ball Bearing

**F.L. Amps:** 230V: 12.6 480V: 6.3 575V: 5

**CFM:** 8,500

**Drive:** Precision flat belt drive

**Volts:** 230/460, 575V also available

**Weight:** 2423: 450 lbs. 2423VT: 470

**Dimensions:** 2423: 85" (L) x 31" (W) x 58" (H)

2423VT: 82.5" (L) x 31" (W) x 67" (H)

**Construction:** Steel & Aluminum;

Bolted, Riveted & Sealed

**Fan:** Forward Curve

**Finish:** Gloss White double powder coat

**dB:** 68 (Barely hear it run.)

**Applications:** Air filtration and mist collection

**Filter sizes:**

**Pre-filters:** 23-3/8" x 23-3/8" x up to 4" **Fiberglass Bag filters:** 23-3/8" x 23-3/8" x 21"

Each unit comes equipped with industrial fire patrol spark arrestors.

**STANDARD FEATURES:**

- Easy, no-tool filter changes.
- Hundreds of non-proprietary filter choices.
- Precision machined, balance drive parts
- Michigan made.
- Bearings greaseable during operation
- Deliberately designed to hang under crane rail



**2423:** Features forward facing exhaust



**2423VT:** Features vertical exhaust

**NEW: PRECISION FLAT BELT DRIVE  
QUIETER AND MORE EFFICIENT!!**

Product Specs:

**Model #: 2433 & 2433VT**

**Motor:** 5 HP Premium Grade Ball Bearing

**F.L. Amps:** 230V: 12.6 480V: 6.3 575V: 5

**CFM:** 8,500

**Drive:** Precision flat belt drive

**Volts:** 230/460, 575V also available

**Weight:** 2433: 490 lbs. 2433VT: 510 lbs.

**Dimensions:** 2433: 79" (L) x 42.5" (W) x 58" (H)

2433VT: 79" (L) x 42.5" (W) x 67" (H)

**Construction:** Steel & Aluminum;  
Bolted, Riveted & Sealed

**Fan:** Forward Curve

**Finish:** Gloss White double powder coat

**dB:** 68 (Barely hear it run.)

**Applications:** Air filtration and mist  
collection.

**Filter sizes:**

-Pre-filters: 23-3/8" x 23-3/8" x up to 4" -Fiberglass bag filters: 23-3/8" x 23-3/8" x 21"

Each unit comes equipped with industrial fire patrol spark arrestors.

**STANDARD FEATURES:**

- Possible hood mount
- Easy, no-tool filter changes.
- Hundreds of non-proprietary filter choices.

- Precision machined, balance drive parts.
- Michigan made.
- **2433VT:** features vertical exhaust
- Bearings are greaseable during operation



**2433:** features forward exhaust for ducting away from the unit.

**NEW: PRECISION FLAT BELT DRIVE  
QUIETER AND MORE EFFICIENT!!**

Product Specs:

**Model #: 3623 & 3623VT**

**Motor:** 10 HP Premium Grade Ball Bearing

**F.L.A:** 208-230V: 27-25 460V: 12.5 575V: 10

**CFM:** 14,000

**Drive:** Precision flat belt drive

**Volts:** 208-230/460, 575V also available

**Weight:** 3623: 740 lbs. 3623VT: 760 lbs

**Dimensions:** 3623: 90" (L) x 31" (W) x 88" (H)

3623VT: 90" (L) x 39" (W) x 97" (H)

**Construction:** Steel & Aluminum;  
Bolted, Riveted & Sealed

**Fan:** Steel Forward

**Finish:** Gloss White double powder coat

**dB:** 68 (Barely hear it run.)

**Applications:** Air filtration and mist collection

**Filter sizes:**

-Pre-filters: 23-3/8" x 23-3/8" x up to 4" -Fiberglass bag filters: 23-3/8" x 23-3/8" x 21"

Each unit comes equipped with industrial fire patrol spark arrestors.

**STANDARD FEATURES:**

- Perfect for hanging under crane rail.
- Easy, no-tool filter changes.
- Hundreds of non-proprietary filter choices.

- Precision machined, balance drive parts.
- Michigan made.
- Bearings are greaseable during operation



**3623:** features forward exhaust for ducting away from the unit



**3623VT:** features vertical exhaust for ducting away from the unit

Location: American Roller Bearing

Morganton, South Carolina USA

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### The Challenge:

- Straight oil grinder coolant on CNC bearing grinders
- Hundreds of gallons of oil are lost to uncaptured coolant mist
- HVAC coated in oil, insulating coils and decreasing efficiency dramatically
- Oil mist coating throughout the shop is a huge fire hazard
- Straight oil mist causing skin, eye, and respiratory issues
- Time off for affected employees
- Unpleasant work environment

### The Solution:

- Installation of (12) AF-07M1110 2,000 CFM Coolant Mist Collectors.
- Installation of (2) AF-2243480 8,500 CFM X-units.



### The Result:

- All straight oil is reclaimed, saving hundreds of dollars per machine.
- No longer health issues related to air quality, saving hundreds in down time
- Work environment is greatly improved
- Morale is boosted
- HVAC is maintained
- Humidity is removed from the air, increasing HVAC efficiency

Equipment can be mounted on stands, suspended and hoses to machine, or directly mounted to one or more machines, saving you floor space and money.

Location: Brennan Equipment

University Park, IL USA

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### The Challenge:

- Need to control smoke and debris from welding and finish grinding steel parts.
- Must establish proper air flow throughout welding facility
- Must utilize heat from other processes in the shop to save money.
- Must contain mess from welding and assembly all throughout the shop.

### The Solution:

- An engineering partnership was formed to allow Brennan to build their own hood to our specifications.
- Install (5) AF-2433480 8,500 CFM, 4-intake down angle units around the facility.
- Install (1) AF-1033480 5,000 CFM, 2-intake model in the facility.



### The Result:

- Openings in the hood structure demanded that air flow be outside-in only, keeping all mess inside the booth. Intakes are flush to the ceiling, enhancing laminar flow along that surface and allowing smoke to reach the filter from as far as 12' in any direction on the ceiling.
- Bag filters last 6 months, pre-filters last 1 month.
- Exhaust was ducted to force hot air to a different room in the shop, greatly reducing the heating bill.
- Customers were impressed when touring facility, which is now clean and organized.

Location: Detail Technologies

Wyoming, MI USA

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### The Challenge:

- Coolant mist and smoke create a fog in the shop
- Health issues due to coolant mist – skin irritations, bronchitis, etc.
- Slippery floors from oil
- Yellowing walls
- HVAC is inefficient and needs constant maintenance due to oil coating the coils.
- Customers unimpressed with new addition

### The Solution:

- Installation of the AF-07M1110 2,000 CFM Coolant Mist Collector on each “heavy hitter” in the plant – two OKK HM1250’s, and one Enshu GE590H, to start.



### The Result:

- Coolant is reclaimed, saving money and shop clean-up costs
- HVAC costs are cut. Coated coils are no longer an issue.
- Floors are not slippery, and walls stay white in the new addition, as well as the rest of the shop.
- Fog problem is eliminated – shop air is clear.
- Humidity is removed from the air, increasing HVAC efficiency.

Filters last for 6 months, the coalescing filter never needs to be replaced, and the ROI on the reclaimed coolant (which is the same price per gallon as gasoline) is an added benefit.

## Location: Metalution

Holland, MI USA

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### The Challenge:

- 8,000 sq. ft. facility, 16 ft ceilings
- Coolant mist from CNC vertical mills build sticky film on walls.
- Smoke from mills clouding up the shop air
- Coolant Mist from two surface grinders creating odor and sticky mess
- Coolant mist loading up furnace and air conditioning units
- Mist creating flu-like symptoms in employees.

### The Solution:

- Install one AF-07 M1110 2,000 CFM Coolant Mist Collector with ducting to two VMX32 Hurco mills.
- Install one AF-03 M1110 1,000 CFM Coolant Mist Collector with ducting to two VMX30 Hurco mills.
- Install one AF-07 M1110 2,000 CFM Coolant Mist Collector with ducting, hose, and mist catch hose.
- Install two AF-10333480 ambient air units, 3,000 CFM each, with 20ft. exhaust ducting kits.



### The Result:

- Sticky film removed from walls
- Odor gone from grinder film.
- Overall health of employees improved by 70%.
- Heat and air cost reduction by nearly 50%.
- ROI on recovered coolant saves money
- Smoke and mist completely removed.
- Filter life of 6 months (on mist collectors).

Location: Neovision

Oldcastle, ON Canada

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### The Challenge:

- Coolant mist and smoke from two AWEA vertical CNC mills, and one Johnford bridge mill is clouding the shop air and yellowing walls.
- Health issues with employees caused by polluted air quality, including bronchitis, flu-like symptoms, and skin irritations.
- Unpleasant shop appearance for customers, and nasty work environment for employees.
- Brand new shop will be yellowed and dirty within a few months if current conditions continue.

### The Solution:

- Install three AF-07 M1110, 2,000 CFM Coolant Mist Collectors, one for each machine.



### The Result:

- Smoke and mist are easily handled, even at high pressure.
- Water soluble coolant, straight oil, and even MQL are handled with ease.
- Shop stays the color it was originally painted – white.
- Pollution related health problems are no longer an issue.
- Minimal, semi-annual maintenance is only 10 minutes per year. Filter life is 6 months, coalescing filter is self-cleaning and never needs replacing.



Location: Proper Tool

Warren, MI USA

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### The Challenge:

- Coolant, oil, and MQL mist from machining.
- Smoke cloud in shop from machining.
- Skin irritation and respiratory issues from mist. Operator gets a bath whenever the door is opened.
- HVAC issues from mist buildup.

### The Solution:

- Install one AF-07M1110 2,000 CFM Coolant Mist Collector on an OKK 1600.
- Install one AF-07M1110 2,000 CFM Coolant Mist Collector on an OKK 1250.



### The Result:

- All smoke is eliminated.
- Skin irritations are resolved and eliminated.
- Shop appearances are maintained, customers are impressed.
- Bonus ROI on:
  - Coolant reclaim (same price per gallon as gasoline.)
  - HVAC – roof units run more efficiently and filters don't get saturated with oil
  - Employee health and morale.
  - Clean shop walls, prevention on repaint and shop cleanup.

Location: RAM Tool

Grafton, WI USA

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### The Challenge:

- Coolant mist problem on two OKK 1250, horizontal machining centers.
- Heavy positive pressure pushes coolant mist into the shop.
- Mist covers operator when door is opened.
- Sticky yellow film ruining new white building.
- Apprehensive about mist collectors from past purchase of national brands that did not work.
- Health issues including skin irritations, respiratory problems, etc.
- Mist coats HVAC equipment, reducing efficiency and increasing fire risk
- Rapid coolant loss by powered evaporation.

### The Solution:

- Install one AF-07M1110 2,000 CFM Coolant Mist Collector on each OKK HM1250.



### The Result:

- Units remove positive pressure inside machine, stopping mist from escaping.
- Mist pulls in the door when opened, operator stays dry.
- Shop walls remain white, saving thousands in cleanup and repainting.
- Filters are changed every 6 months, coalescing filter needs no maintenance.
- All coolant is reclaimed, saving thousands.
- HVAC stays clean and efficient.

Location: Whitfield Welding  
Ontario, Canada

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**The Challenge:**

- 10,000 sq. ft. facility, 30 ft ceilings
- Dry dust from grinding and processing
- Must create a deliberate air train to avoid damage to delicate welding procedures
- Expensive toxic gas detection devices operate a massive intake shutter and exhaust system. It operates several times a day, and the air exchange makes it IMPOSSIBLE to heat the facility. Colder conditions result in longer preheat and smaller time window to work on the preheated metal.
- Need to control irritating gases and particles like welding smoke containing hexavalent chrome, nickel, manganese, CO<sub>2</sub>, loose fibers, and gases produced in preheat.

**The Solution:**

- Install 12- 3,000 CFM units, (6 double-down intakes, and 6 straight intakes) around the shop.



**The Result:**

- Modular design of equipment enables quick rotation of selected intakes, advancing performance and laminar flow to accelerate the effect of the system.
- Detection exhaust system has not been needed for normal shop maintenance since the Module-Air units have been installed, proving that proper media and dilution by deliberate air flow can successfully eliminate dangerous levels of toxins.
- Savings in heat costs more than paid for the units in one cold season.
- Poly media filters last up to 2 weeks.

Location: Paragon D&E

Grand Rapids, Michigan USA

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### The Challenge:

- Hundreds of gallons of oil are lost to uncaptured coolant mist on CNC's
- HVAC coated in oil, insulating coils and decreasing efficiency dramatically
- Oil mist coating throughout the shop is a huge fire hazard
- Straight oil mist causing skin, eye, and respiratory issues
- Time off for affected employees
- Unpleasant work environment
- Dirty shop increases maintenance costs and unimpressive to customers

### The Solution:

- Installation of AF-07M1110 2,000 CFM Coolant Mist Collectors.
- Installation of AF-3623VT480 14,000 CFM ambient units.



### The Result:

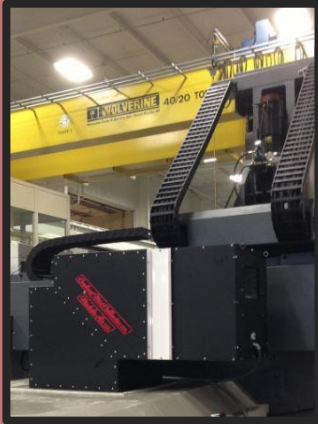
- Coolant from CNC's is reclaimed by mist collectors, saving hundreds of dollars per machine.
- No longer health issues related to air quality, saving hundreds in down time
- Work environment is greatly improved & morale is boosted
- Shop is clean and impressive
- HVAC is maintained, & humidity is removed from the air, increasing HVAC efficiency

Equipment can be mounted on stands, suspended and hoses to machine, or directly mounted to one or more machines, saving you floor space and money.

# The Comprehensive Plan

Mist Collection at the source is important and effective, but what about the mess coming from your boring mills and grinders that are not enclosed?

The solution is a **COMPREHENSIVE PLAN** using our ambient units by Module-Air along with mist collection.



Module-Air builds the most powerful ambient air filtration units in the world. We are also the **QUIETEST** and **MOST EFFICIENT**.

The perfect solution uses the right tool for the right job.

By placing Coolant Mist Collectors on the enclosed machinery and using our ambient units to pick up the rest, you collect the ROI on reclaimed coolant at the machine, as well as the ROI from with greatly reduced heating and coolant costs.



Let us design a plan to advance your company to a world class facility that will impress your customers and save you money at the same time.