



# CINCINNATI INDUSTRIAL MACHINERY

## Industrial Series Monorail Washer

In the monorail design, interchangeable fixtures and carriers accommodate parts of a specific size or shape, families of parts, or when arranged with universal tooling, a variety of assorted parts. Monorail type washers are readily integrated into existing overhead conveyors. In-line, U-shaped, and other system configurations afford installation and process flexibility.

### Enduring Construction

- Stainless steel machine fabrication
- Double welded, water tight tanks
- Epoxy coated tube-axial exhaust fan
- Industrial vertical close-coupled pumps
- Bag filter/stage
- Stainless steel spray & pump piping
- CPVC water inlet piping, single point connection

### Easy Maintenance

- Ethernet capable
- Quick disconnect riser couplings
- Clip-on nozzles
- Automatic water fill
- Lift-out splash curtains
- All lubrication points easily accessible
- Stainless steel round marine doors (single bolt)
- No belts/sheaves on fan drives
- Lift-off tank access lid with stainless steel pump screen
- Lift-off housing access doors
- Lifting lugs for machine mobility

### Operator Friendly

- PLC control
- Color display HMI
- Variable speed pump controllers
- Variable speed fan controllers
- Easy read gauges
- Programmed preheat-up of tanks
- Air knife and spray nozzle angles easily adjustable



### Elite Finish

- Stainless steel finish
- Painted control panel
- All guarding painted safety yellow

### Environmentally Conscious & Safety Minded

- Insulated blow-off heating chamber
- Premium efficiency motors
- Variable speed drive controllers
- Energy conservation mode
- Machine warning labels
- Load and unload E-stops
- Mechanically guarded drive components
- Ergonomical design
- High temperature cut-off switch in blow-off
- Low solution level cut-off switches

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## Specifications

	Model ISM 30X15	Model ISM 42X21
Tunnel width	15"	21"
Tunnel height	30"	42"
Process heating	Electric	Natural gas
Wash pump	100 GPM @ 30 PSI	150 GPM @ 30 PSI
Wash temp	130°F	130°F
Wash filtration	50 micron bag	50 micron bag
Rinse pump	70 GPM @ 30 PSI	100 GPM @ 30 PSI
Rinse temp	130°F	110°F (flue extension from wash)
Filtration	25 micron bag	25 micron bag
Blow-off fan	2000 CFM @ 9" SP	4000 CFM @ 6" SP
Blow-off temp	180°F	180°F
Approx. overall dimensions	18'2"LX7'9"WX7'H 9'6"H to top of fan	22'6"LX9'8"WX8'3"H 10'9"H to top of fan
Conveyor pass height	6'9" - top of rail	7'9" - top of rail
Approx. ship weight	9,000 lbs	13,000 lbs.

### Utility Connections & Estimated Consumption\*:

Electric	480/3/60, 202 FLA 250 Amp disconnect 400 Amp service	480/3/60, 45 FLA 60 Amp disconnect 60 Amp service
Natural Gas	Optional	1-1/2", (1) connection; Total 1200 cu. ft./hr max burner usage
Water - initial fill	1-1/2", 600 gal	1-1/2", 1160 gal
Water - consumption	6-9 gallons/hour	9-12 gallons/hour
Drain	2"	3"
Exhaust - machine	15" dia., 1375 CFM	15" dia., 2795 CFM
Exhaust - gas flue	Optional	6" dia., (1) connection

- **\*Note:** Utility consumption rates are estimates only and will depend on many variables such as types and quantity of soils, part configurations and materials, production rate, temperatures, options purchased, etc.
- All specifications are subject to change with design improvement without notice.

## Available Options

- Custom Designs
- Enclosed track closed loop monorail
- Tank wall insulation
- Belt type oil skimmer
- High volume oil removal
- Drain valves
- Manifold drain connections
- Removable chip basket
- Stainless steel pumps
- Stainless steel bag filters
- Housing door electric interlocks
- Machine status indication via 3-light stack light

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