

METALSORT™

INDUCTION SENSOR SYSTEM FOR FERROUS, NON-FERROUS AND STAINLESS



MAXIMIZE METAL RECOVERY. MINIMIZE CONTAMINATION LEVELS.

The MSS MetalSort™ is an induction-based sensor system and provides accurate separation of ferrous, non-ferrous, and stainless steel from mixed input material streams. The most common applications are glass cullet, plastic flake and electronic scrap. Particles down to 2mm in size are accurately detected and removed by precisely pulsed air jets.

The MetalSort™ can be configured in a slide configuration (shown above) or in a conveyor arrangement. It requires little space and can easily be integrated into existing processing systems.

It can be built in different machine widths and the sensor configuration and resolution can be tailored to the specific processing application.

The sized incoming material is distributed over the machine width by a vibratory feeder. At speeds of about 500 ft/min (2.5 m/s), the material travels across the array of induction coils which are mounted directly underneath the slide or conveyor belt.

The induction coils sense small variations in the electro-magnetic field which are generated by metal particles. Ferrous, non-ferrous and stainless steel can be identified independently if required.

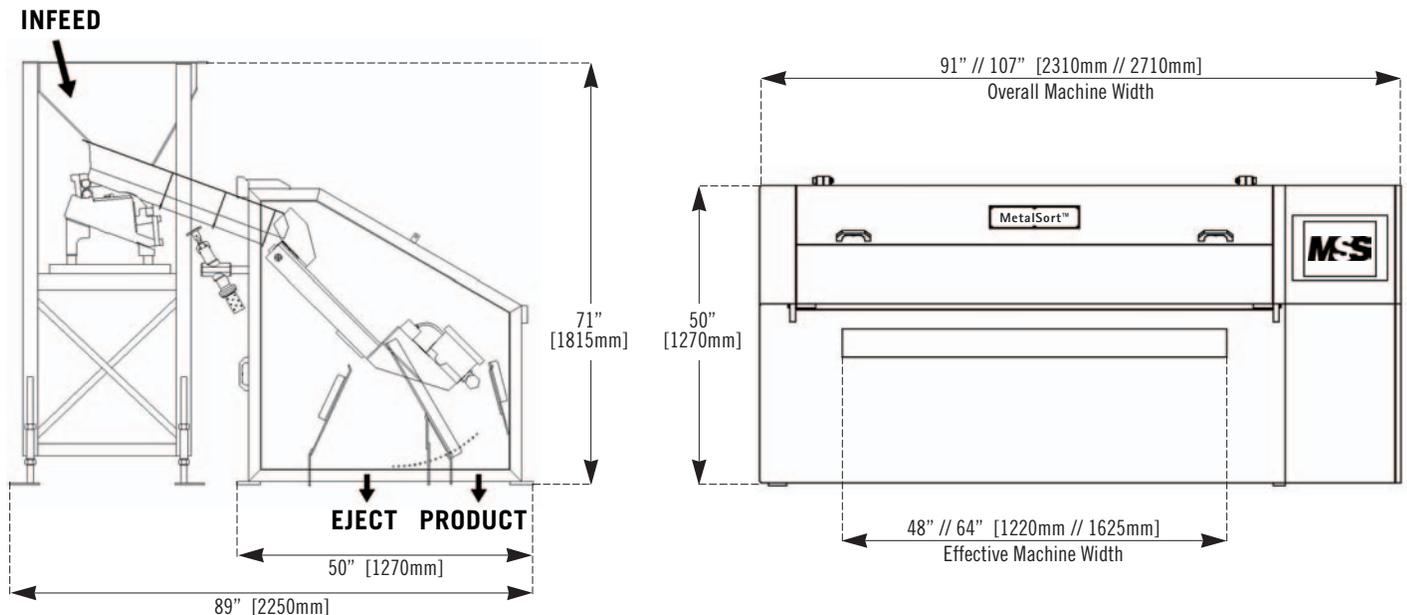
State-of-the-art electronics process the detected signals and activate the corresponding air valves, which eject the metals upward or downward into a chute or ejection hood.

MSS

OPTICAL SORTING SYSTEMS

METALSORT™

INDUCTION SENSOR SYSTEM FOR FERROUS, NON-FERROUS AND STAINLESS



METALSORT™

Capacity Plastic Flake
Glass Cullet
E-Scrap
Removal Efficiency
Detected Particle Size
Electrical Requirements
Air Pressure
Air Usage

MS-48-2D

2.0 tons/hr
20 tons/hr
3.75 tons/hr
> 95%
> 2mm
220 VAC, 20A
100 psi / 7 bar
15-100 CFM

MS-64-2D

2.75 tons/hr
27.5 tons/hr
5.0 tons/hr
> 95%
> 2mm
220 VAC, 25A
100 psi / 7 bar
15-100 CFM

AVAILABLE OPTIONS/UPGRADES

- Larger machine sizes available upon request
- Color touchscreen user interface
- Remote modem or ethernet access
- Statistics and quality reports download
- Split configuration
- Different sort configurations by the touch of a button
- Low maintenance due to no moving parts

MSS WARRANTY

As with all our products, the MSS MetalSort™ system is supported by experienced, dedicated service technicians and engineers. It is covered by a full one-year comprehensive warranty on parts, workmanship, and performance.

