

E-SORT™

ALL-IN-ONE ADVANCED OPTICAL SORTING OF ELECTRONIC SCRAP (WEEE)



MAXIMIZE END-PRODUCT MARKET VALUE. MINIMIZE LABOR COSTS. REDUCE CONTAMINATION LEVELS.

For electronic recyclers, automated optical sorting is the way of the future. The MSS e-Sort™, a state-of-the-art optical system, automatically separates individual plastic resins (ABS, HIPS, PC, etc.), circuit boards, and metals (ferrous, non-ferrous, stainless steel) from electronic waste. Recyclers can increase system capacities while reducing labor and maintenance costs.

From a vibratory feeder, shredded and sized e-scrap is fed onto a high-speed acceleration conveyor. Utilizing proprietary optical sensing technology, the e-Sort™ then analyzes and classifies all materials according to their own specific “signatures.” The central computer analyzes the information and fires precise air jets to eject targeted particles into designated output chutes.

The e-Sort™ generates three output products from one input and is controlled from the user-friendly touchscreen. Software upgrades and advanced diagnostics are available through modem/Ethernet. Composition and operations reports can be generated to comply with ISO 9000/14000 standards.

Backed by more than 30 years of experience, research and development, the MSS e-Sort™ is on the cutting edge of optical sorting technology, providing the best separation, highest throughput, and greatest value in the industry.

MSS

OPTICAL SORTING SYSTEMS

E-SORT™

ALL-IN-ONE ADVANCED OPTICAL SORTING OF ELECTRONIC SCRAP (WEEE)

E-SORT™ MODELS

Sorting Capacity for shredded WEEE
Electrical Requirements
Power Consumption (System)
Compressed Air Pressure
Compressed Air Usage

800mm (32")

3,000 lbs/hr (1,360 kg/hr)
240V, single-phase, 50/60Hz
3 kW
100 psi / 7 bar
Feedstream dependent

1200mm (48")

4,500 lbs/hr (2,050 kg/hr)
240V, single-phase, 50/60Hz
4 kW
100 psi / 7 bar
Feedstream dependent

1600mm (64")

6,000 lbs/hr (2,720 kg/hr)
240V, single-phase, 50/60Hz
6 kW
100 psi / 7 bar
Feedstream dependent



e-Sort™ extracts Non-Ferrous Metals



e-Sort™ separates Circuit Boards



e-Sort™ identifies Plastic Resins

MSS WARRANTY

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



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