



MSS PlasticMAX™

NEXT GENERATION OPTICAL PLASTIC SORTING TECHNOLOGY



Increased Recovery Rates • Highest Product Purity • Low Maintenance • Easy Sort Set Up

Simply Smarter Sorting

PlasticMax™ provides the highest recovery rates and product purity for all plastic commodities in MRFs and PRFs, as well as C&D, C&I, RDF and MSW facilities.

Using advanced algorithms and high-resolution NIR, color and metal sensors, PlasticMax™ performs full object analysis to capture even the most challenging materials, such as fully sleeved bottles and short fills.

Best In-Class Optical Sorter

All PlasticMax™ optical sorters always combine high-resolution NIR and color spectrometry with optional metal detection.

Our patented MaxSelect™ sequential scanning technology provides the best combination of scan rate, number of utilized wavelengths and UV/VIS/NIR wavelength range (400-2500nm).

The integrated ClearLight™ technology provides the best signal-to-noise ratio of any optical sorter in the industry because MSS doesn't use gratings or light beam splitters.



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MSS, Inc. is a division of CP Group

Made in the
USA

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Models and Configurations

PlasticMax™ is our most versatile base optical sorter with maximum performance for all MRFs and PRFs as well as C&D, C&I, RDF and MSW facilities.

PurePlasticMax™ for plastic recyclers sorts challenging containers such as full-body sleeved PET, PE and PP bottles. In-flight detection over an illuminated reference provides the most accurate color identification and higher signal levels for transparent items.

FilmMax™ for film recyclers uses our proprietary material handling system to remove contaminants and off-color materials from pre-shredded film and flexible packaging.

eMax™ for electronic scrap/WEEE recyclers has an even higher NIR and color resolution that allows handling of smaller particle sizes. In-flight detection over an illuminated reference allows the sorting of various durable plastics (ABS, HIPS, PC, PMMA) from pre-shredded materials.

FlakeMax™ for plastic recyclers provides the highest pixel resolution of the CIRRUS® family. In-flight detection over an illuminated reference allows it to separate contaminants and off-color materials from plastic flake, including black items.



Technical Specs

Machine width	1200–2800mm; 48"–112"
Capacity*	2.0–12.0 ton/hr
Efficiency*	Up to 98%
Electricity	8–12kW
Compressed air	100 psi / 7 bar

* Actual throughput and performance depends on a number of factors including, but not limited to, input material composition, particle size, bulk density and % of targeted materials

Features

- NIR and color always included
- Detection options:
 - Over-the-belt
 - In flight with reflective reference
- Single-eject or dual-eject setup
- Split Configuration
- All-metal detector upgrade available
- Color touchscreen with remote access
- Language selection
- Change recipes by the touch of a button
- Statistics/QC reports
- Continuous automated internal calibration



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