



# MSS PurePlasticMax™

NEXT-GENERATION OPTICAL PLASTIC SORTING TECHNOLOGY



Increased Recovery Rates • Highest Product Purity • Low Maintenance • Easy Sort Setup

## Best In-Class Optical Sorter

All CIRRUS® sorters combine high-resolution NIR, color, and metal sensors to accurately sort a wide variety of materials, using advanced algorithms and image processing.

Our patented MaxSelect™ sequential scanning technology provides the best combination of scan rate, number of wavelengths and NIR wavelength range (450nm to 2,500nm).

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

## CIRRUS® for PET Recycling Facilities

CIRRUS PurePlasticMax™ is specifically designed for PET recycling plants and applications where black plastics need to be separated. The detection over an illuminated white reference allows for even the lightest blue PET to be sorted from clear PET, as well as the removal of black items, which is impossible to do in a black belt configuration.

Furthermore, MSS' proprietary air-assist system ensures optimum material handling throughout the sensing and ejection zone of the PurePlasticMax™.

A continuous automated internal normalization eliminates the need for manual re-calibration. The sensor housing is under constant positive pressure which eliminates dust.



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MSS, Inc. is a division of CP Group

Made in the  
**USA**

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## Technical Specs

Machine width	1200–2800mm; 48”–112”
Capacity*	3.0–7.0 ton/hr
Efficiency*	Up to 98%
Electricity	8-15kW
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

- Near-Infrared (NIR) and color sensors included in standard package
- Detection in flight over white reference
- Continuous automated internal calibration
- Single-eject and dual-eject configurations
- All-Metal detector upgrade available
- Color touchscreen with Ethernet access
- Language selection
- Changes recipes by touch of a button
- Software license never expires
- Statistics/QC reports

## Commodities

- Plastics
  - PET
  - PP
  - HDPE, LPDE
  - PVC
  - PS
- Colors:
  - Light-Blue PET
  - Color PET
- Black Plastics
- Metals



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