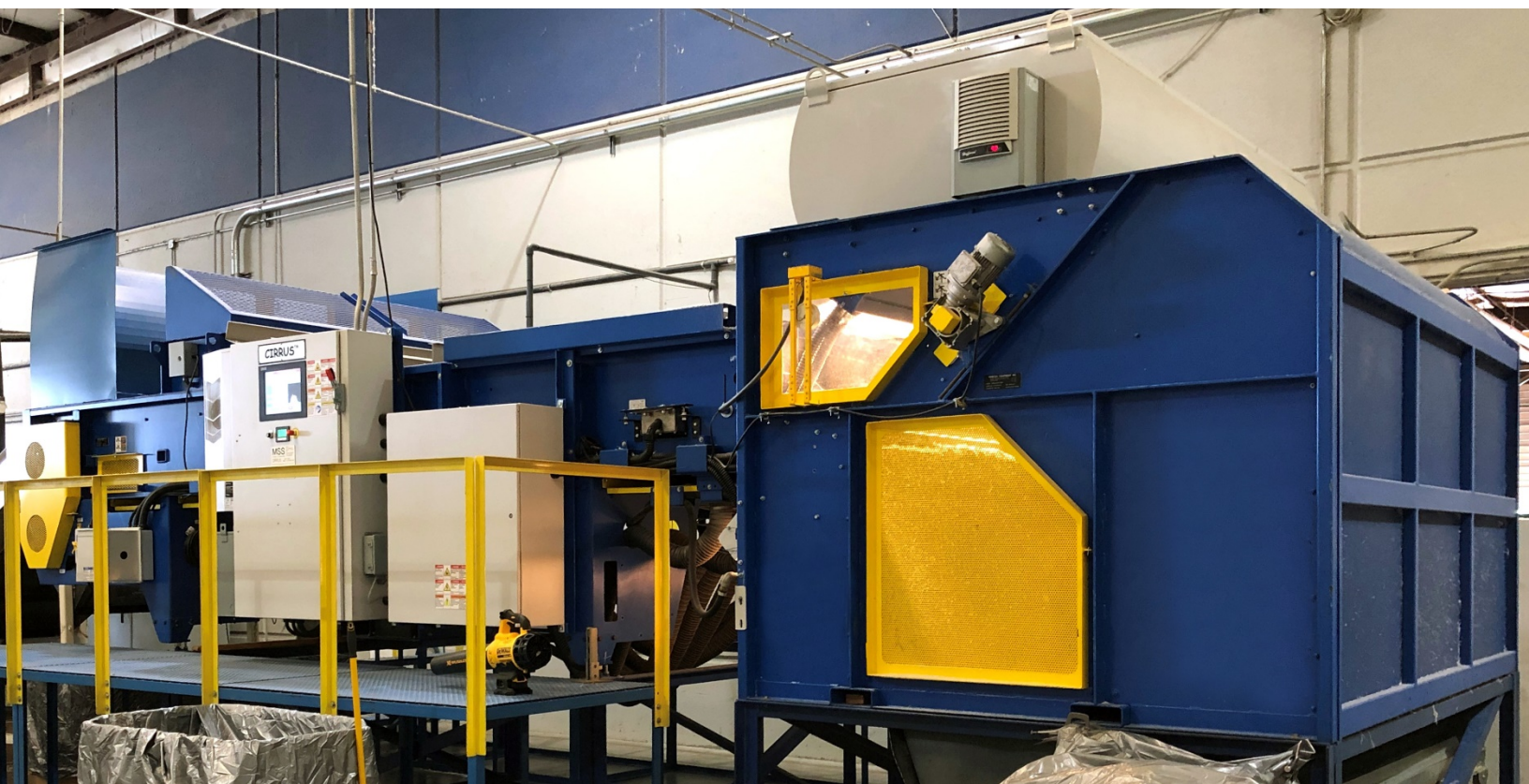# MSS FilmMAX™

NEXT-GENERATION OPTICAL PLASTIC FILM 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 Plastic Film Applications

CIRRUS FilmMax™ is at the forefront of optical sorting for shredded residential and commercial film products. Flexible plastic packaging such as bags, pouches, foil and other ultra-light products can accurately be sorted by FilmMax™ after coarse pre-shredding of the incoming bales.

MSS′ proprietary material handling and air-assist system allows for removal of contaminants and off-color materials from higher value plastic film like white/natural/clear LDPE.

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

Made in the
USA

MSS FilmMAX™

NEXT-GENERATION OPTICAL PLASTIC FILM SORTING TECHNOLOGY

Clean LDPE/LLDPE Film

Clean LDPE/LLDPE Film

Color LDPE/LLDPE + Non-PE

Color LDPE/LLDPE + Non-PE

Technical Specs

Machine width	1200–2800mm; 48″–112″
Capacity*	0.5–3.0 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 illuminated reference
- Continuous automated internal calibration
- Single-eject configuration
- 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
  - LDPE, LLPDE
  - PET
  - PVC
  - PS
- Natural/White Film
- Colored Film
- Non-Plastics
- Metals

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