



THE OPTICAL SORTER WITH **EASE OF ACCESS FOR MAINTENANCE**

With safety, maintenance, and operational availability in mind, Machinex has improved the design of the MACH Hyspec® Optical Sorter. The new ergonomic design provides increased ease of access for maintenance and servicing. With the same great efficiency on material sorting, this optical sorter remains a key equipment in today's MRF, delivering accuracy and profitability.

SIZES & EJECTIONS OPTIONS

Widths	Ejections
(1,200 - 1,600 - 2,000 - 2,400 - 2,800 - 3,200) mm	Single eject separates in 2 streams
	Dual eject separates in 3 streams

FEATURES	BENEFITS
▶ Hyperspectral technology	→ Increased product recognition
▶ Fast detection & analysis	→ Outstanding accuracy & capacity
▶ Static acquisition system (no moving parts)	→ Superior reliability & stability
▶ Unsurpassed ejection capability	→ Up to 3,000 ejections/minute

MODELS APPLICATION TYPE					
CONTACT US FOR YOUR CUSTOM FIT CONFIGURATION	Hyspec® VIS	Hyspec® VIS-ShortWave	Hyspec® ShortWave	Hyspec® MidWave	Metal Detector
Single-Stream (Containers)	✓	✓	✓		*
Single-Stream (Fibers)		✓	✓	✓	*
Mixed Waste Processing		✓	✓	✓	*
C&D		✓	✓	✓	*
Plastics Recyclers	✓	✓	✓	✓	*
RDF/SRF Preparation		✓	✓	✓	*

* Metal detection can be combined with any other technology based on application and targeted ejection pattern.

APPLICATIONS

PLASTICS

Individual value:

- ▶ PET: clear & colored
- ▶ HDPE: clear & colored
- ▶ PVC, LDPE, PP, PS, and others

FIBERS

Distinctive recognition of:

- ▶ High Fibers grades
- ▶ OCC/OBB cards (brown, grey, white)
- ▶ Cartons, Aseptics, and Gable tops
- ▶ Wood products (by grades)

GENERAL CHARACTERISTICS

- ▶ Unique hyperspectral technology
- ▶ Broadest spectrum reading and processing in the industry
- ▶ Fast analysis process: 1 millisecond
- ▶ Over 28 million measurements per second
- ▶ Fast action pneumatic valves
- ▶ User-friendly touchscreen interface
- ▶ Ethernet support, diagnosis, and updates
- ▶ Developed, designed, and manufactured at Machinex headquarters

OPTIONS

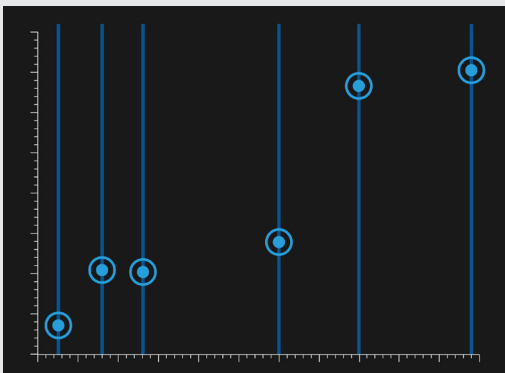
- ▶ Multichannel
- ▶ Dual eject configuration
- ▶ Metal detector
- ▶ High resolution pneumatic valves
- ▶ Air tunnel (fiber application only)
- ▶ Ejection hood: plastic film capture or dust collector

UNIQUE Machinex provides **THE WIDEST** optical sorter on the market

3,200 mm

HYPERSPSCTRAL VS MULTIPOINTS TECHNOLOGIES

MULTIPOINTS



HYPERSPSCTRAL

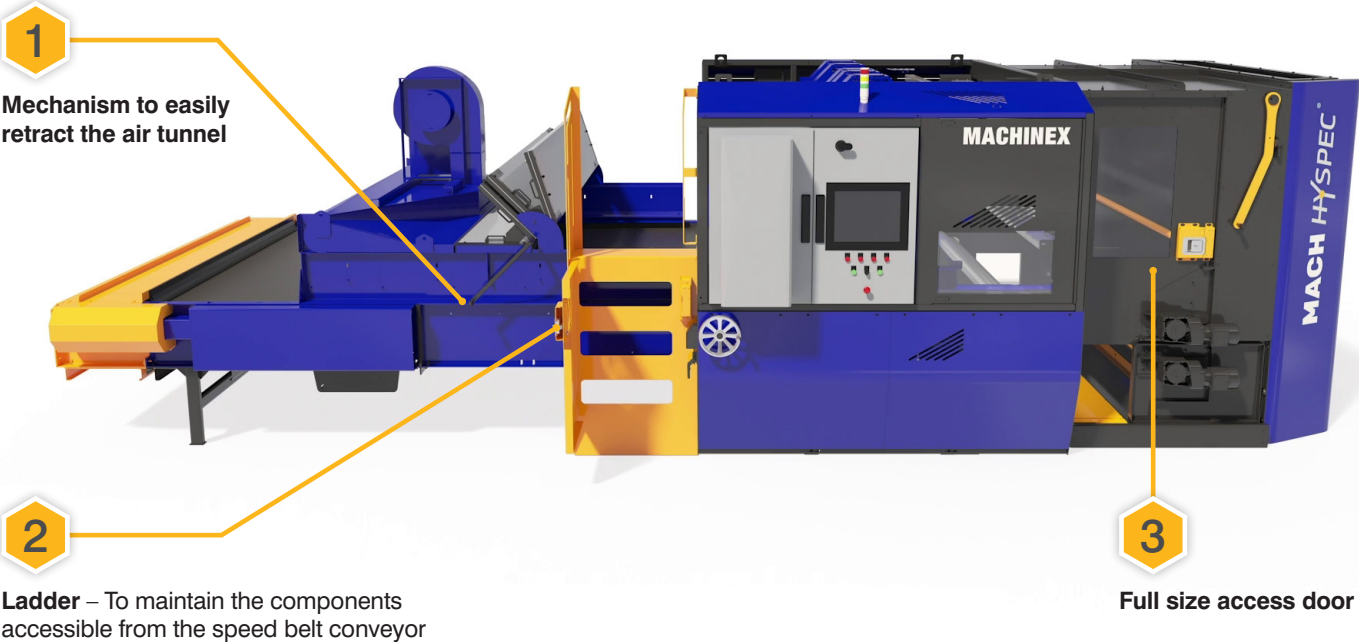


Compared to multipoints, hyperspectral imaging detects the complete spectrum which:

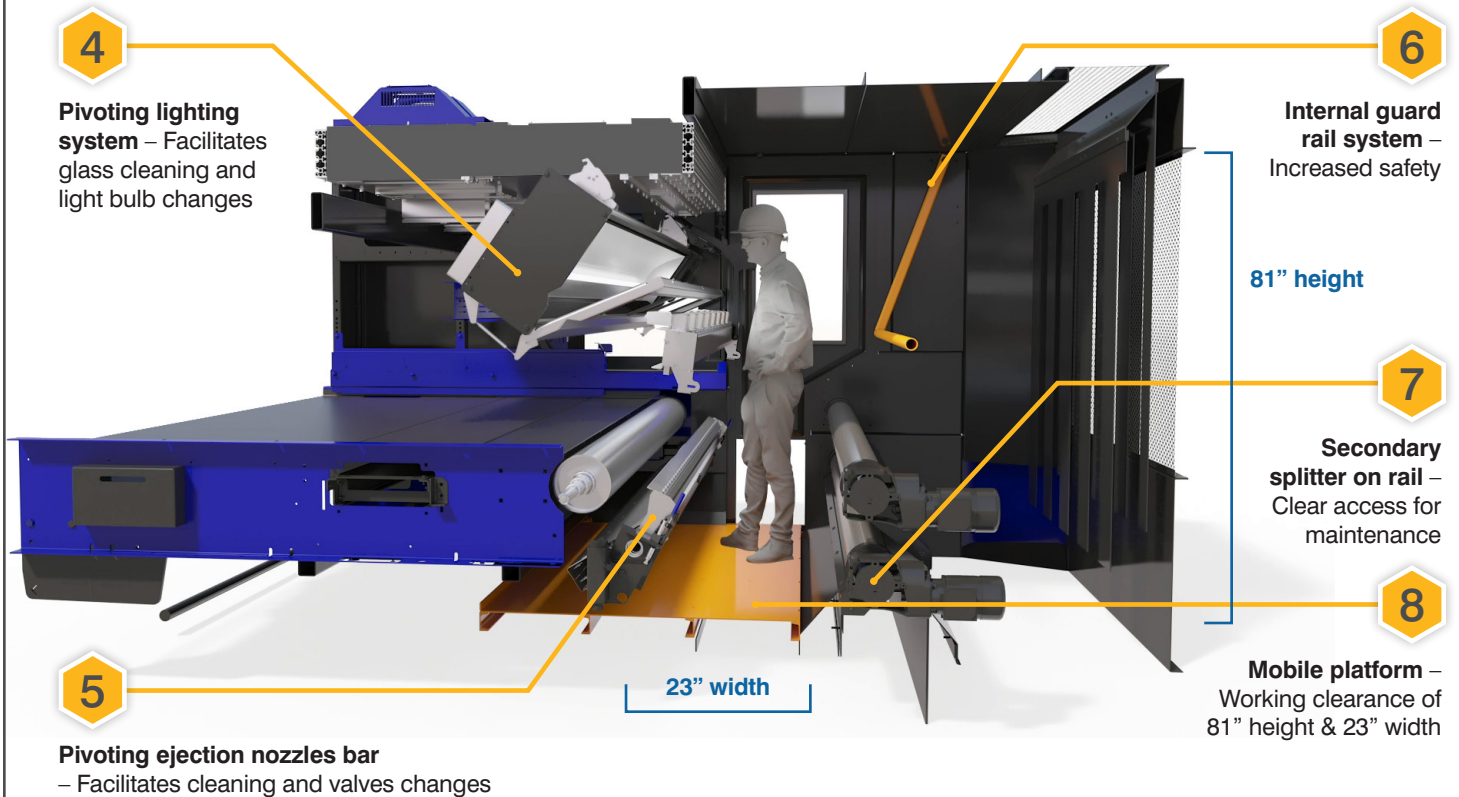
- ▶ Provides improved detection of new packaging
- ▶ Identifies materials with very high accuracy and flexibility

MAINTENANCE & ACCESS FEATURES

External view



Internal view





WALK INTO A NEW ERGONOMIC DESIGN



THE OPTICAL SORTER WITH **EASE OF ACCESS FOR MAINTENANCE**

Cleaning &
Maintenance time
reduced by **50%**

Safer
Accessible
Faster
Ergonomic

