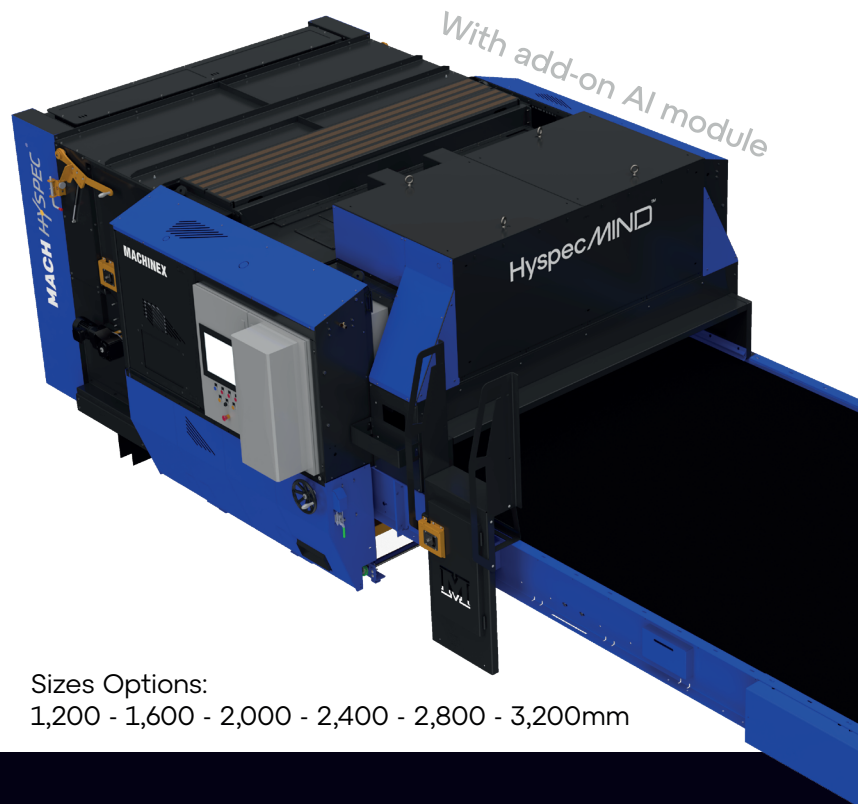


# HyspecMIND™

## AI-Enhanced Optical Sorting

- Advanced AI Sorting:  
Going Deeper Into the Waste Stream
- Higher-Value Recyclables Recovery
- High-Throughput Detection & Analysis
- Data-Driven Optimization
- Future-Ready Technology : Consistently  
Evolving with Material Streams



Sizes Options:  
1,200 - 1,600 - 2,000 - 2,400 - 2,800 - 3,200mm

### Advanced Add-On AI Module for MACH Hyspec® Optical Sorters

This add-on AI module enhances optical sorting by adding a powerful layer of intelligence. Complementing hyperspectral and metal detection systems with AI-driven vision, it expands sorting capabilities beyond material identification to include color, shape, form, and more, delivering greater precision and higher purity.

#### Sorting Applications

Goes beyond standard sorting by identifying materials at a deeper level, including separation of UBCs from non-UBCs, PET bottles from PET trays, and HDPE tubs from lids. This increased precision improves stream quality and drives higher material value.

### MACH INTELL™

Machinex's business intelligence platform extracts data from camera vision units. Its intuitive dashboard translates real-time data into clear visibility of material streams and provides key performance indicators MRF operators need to optimize performance such as:

- Flow Composition
- Material Trends Per Given Period
- Volume Per Material Type
- Belt Coverage



MACHINEX INDUSTRIES INC.  
North America: +1 819 362-3281  
International: +1 877 362-3281

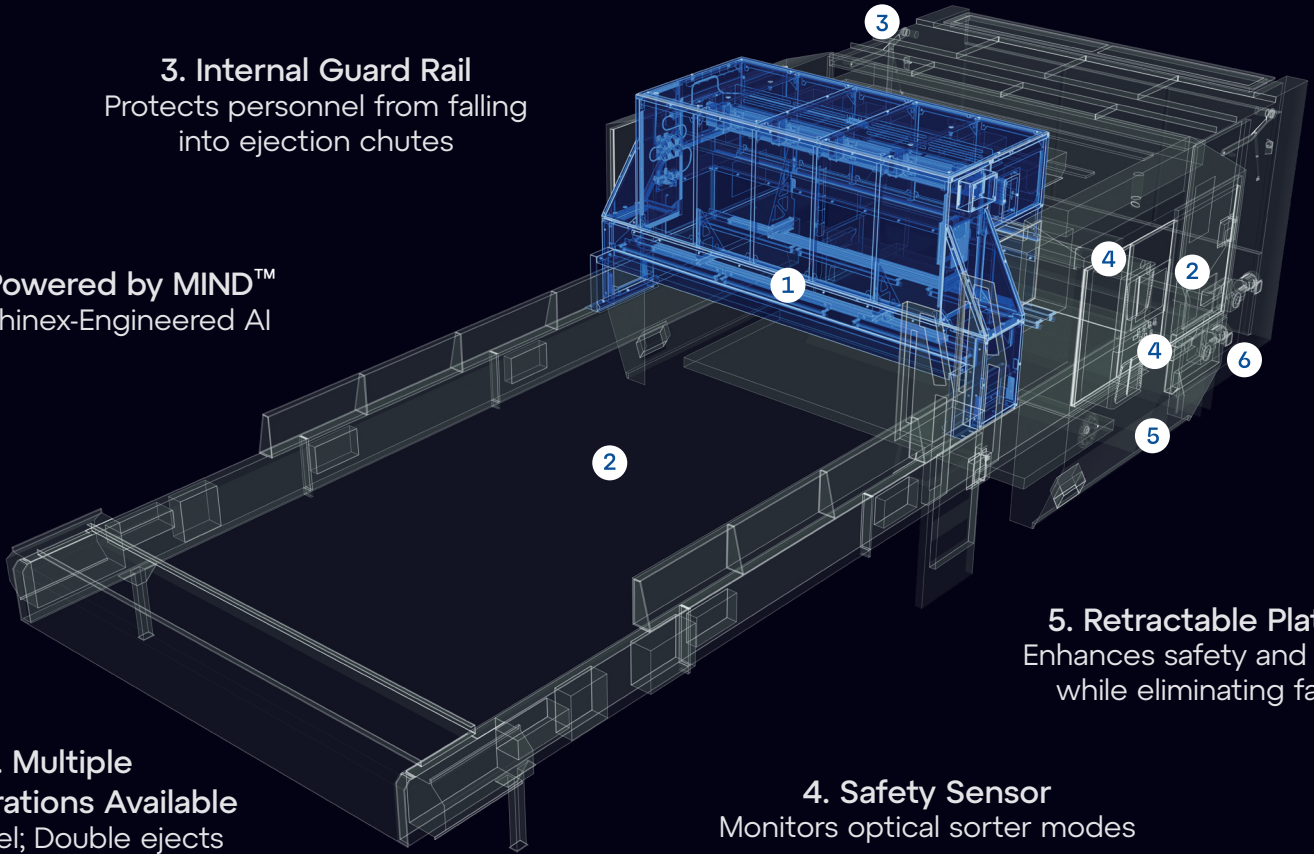
sales@machinex technologies.com  
machinex technologies.com

# HyspecMIND™

6. Rail-Mounted Splitter  
Rotates during operation to prevent material accumulation

3. Internal Guard Rail  
Protects personnel from falling into ejection chutes

1. Powered by MIND™  
Machinex-Engineered AI



2. Multiple Configurations Available  
3-channel; Double ejects possible

5. Retractable Platform  
Enhances safety and stability while eliminating fall risk

4. Safety Sensor  
Monitors optical sorter modes

## Advanced Material & Shape Identification

The add-on AI module reaches a finer segmentation of material by identifying its **shape and function**.

**MACH HYSPEC**®



Clear PET



Clear PET

**HyspecMIND**™



Clear PET bottle



Clear PET tray

# MIND™

## Artificial Intelligence for Sorting Operations

Combines computer vision, machine learning & real-time decision-making

## Data Accessible Through MACH Intell™

Detects & classifies materials, turns insights into operational decisions & enhances ejections

## Purpose-Built for the Waste & Recycling Industry

Has been developed, deployed & proven in real operating facilities since 2019.

**ENGINEERED BY MACHINEX**