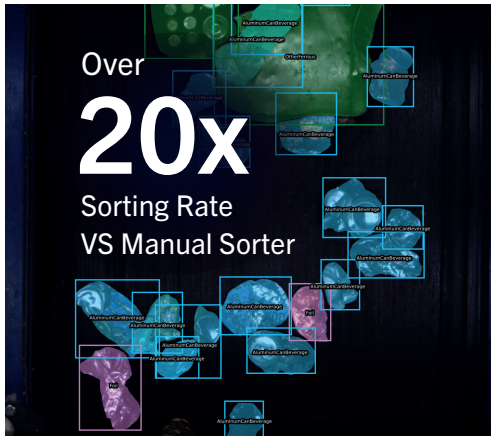


MIND Airpulse™

AI-Driven Pneumatic Separator Designed for Recovery & Advanced QC

- Reduce dependency on manual labor
- Improve bale purity
- Stabilize performance across shift



Automate Recovery & Quality Control (QC) at High Throughput

This compact pneumatic separator is powered by MIND™, Machinex-engineered artificial intelligence, and features fast-action pneumatic valves for precise, high-speed ejection. Installed directly over a conveyor and at the head of a conveyor discharge, the unit delivers high processing capacity while significantly reducing reliance on manual sorting.

Sorting Applications

- Positive Sorting: Recover target materials from a specific stream (e.g. PET Bottles, UBC)
- Negative Sorting: Remove contaminants from a dedicated stream (e.g. fiber, plastics)

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
- Total Material Seen



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MIND Airpulse™

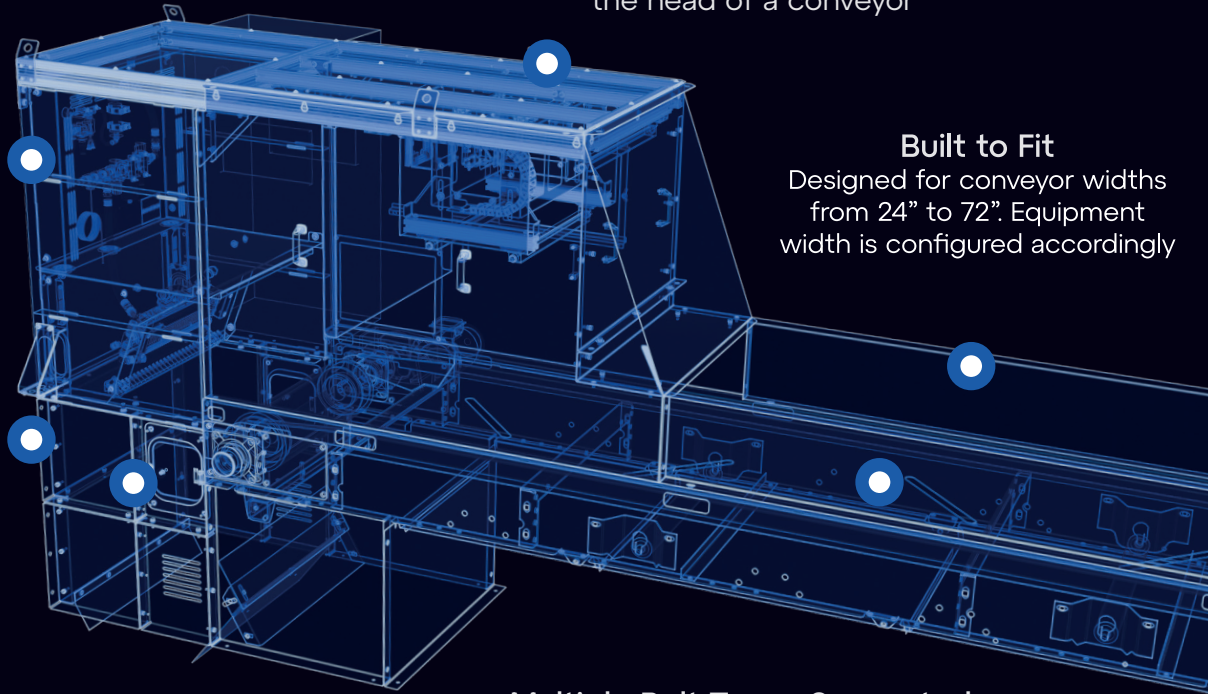
Cantilever & Compact Design
(Fits in an enclosure) Installed at the head of a conveyor

Pneumatic System Accessible at All Times

Slide-Out Drawer for Easy Access to Air Nozzles*
*According to ejection configuration

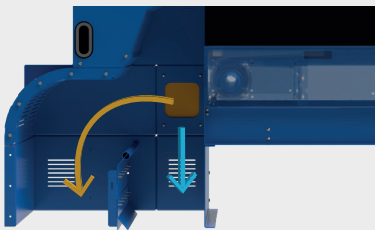
Strategically Positioned Clean-Out Doors
For safer maintenance

Built to Fit
Designed for conveyor widths from 24" to 72". Equipment width is configured accordingly

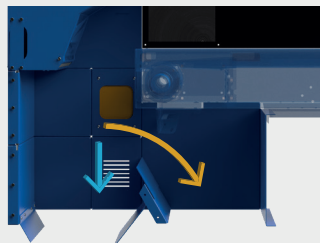


Multiple Belt Types Supported
Belt design with minimal cleat configuration; speed up to 300 FPM

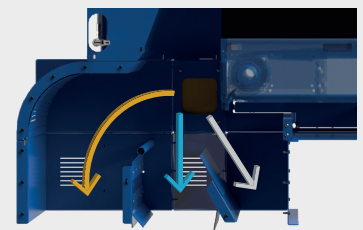
Ejection Configurations



Single Eject Up



Single Eject Down



Dual Eject (Up & Down)

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