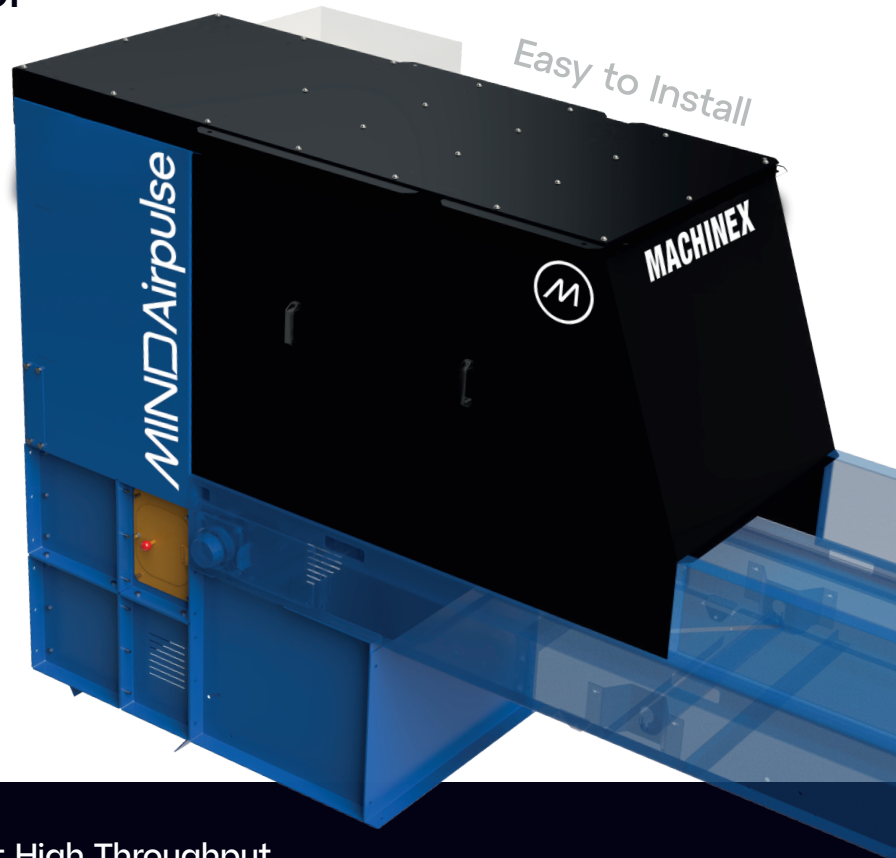
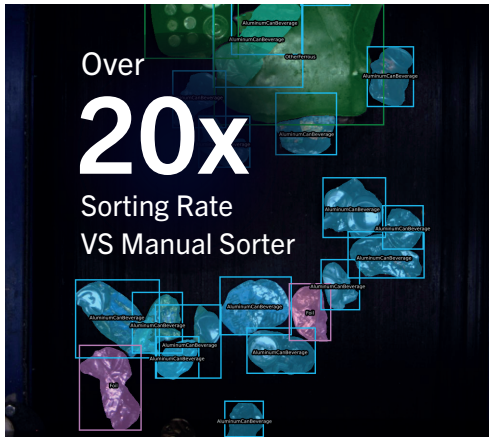


MIND Airpulse™

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 within an enclosure and is installed at the head of the conveyor

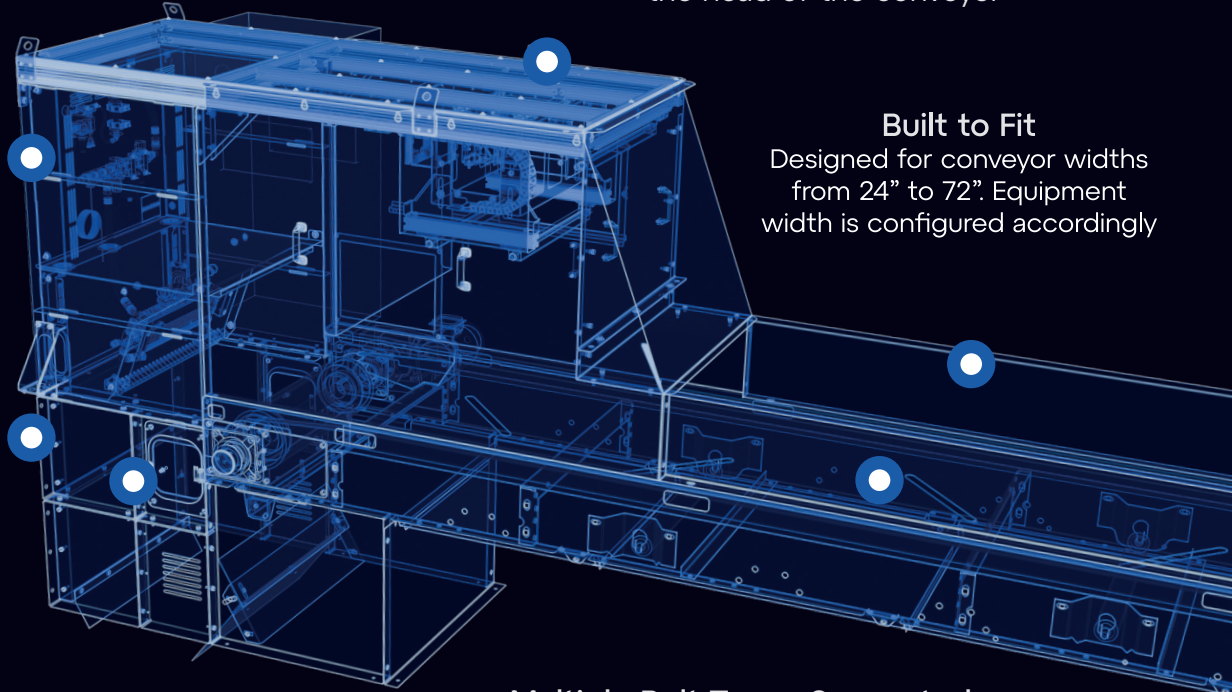
Pneumatic System Accessible at All Times

Drawer for Easy Access to Air Nozzles*
**According to ejection configuration*

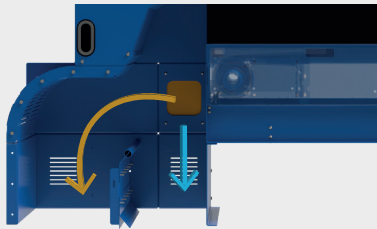
Built to Fit
Designed for conveyor widths from 24" to 72". Equipment width is configured accordingly

Strategically Positioned Clean-Out Doors
For safer maintenance

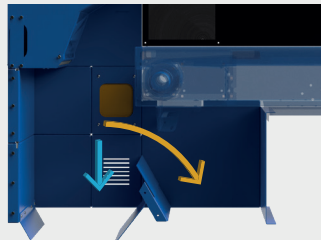
Multiple Belt Types Supported
Belt design with minimal cleat configuration; speed up to 300 FPM



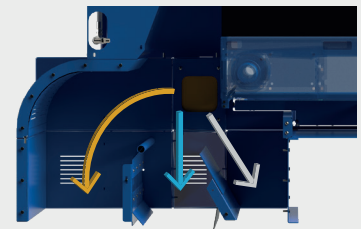
Ejection Configurations



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