



# MetalDirector™

## EM

**Overview** The NRT MetalDirector™ sorting system uses sophisticated metal-sensing technology to readily identify and eject ferrous and nonferrous metals from a mixture of materials. The sorter can efficiently recover aluminum cans from a process stream. The sorter features an eddy current induction detection module incorporated into a fast-moving conveyor. The MetalDirector™ detects and identifies metal objects and their locations within the fast-moving material feed stream on the belt. The metal objects are then ejected by a brief, precise blast of compressed air as they discharge off the end of the conveyor. The system incorporates rugged heavy steel plate construction for the sorting enclosure, self-cleaning live roll splitter, and an advanced easy-to-use operator interface.



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### Technology

Induction metal sensing

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Fastest solenoid valves in the industry to minimize product loss

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Object-tracking algorithm identifies and ejects metal as small as 1 mm

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24" (3,600 lbs/hr) to 108" (16,200 lbs/hr)

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### Applications

Recovery of aluminum can product from a mixed container stream

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Removal of metals from a materials process stream

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In the MRF Industries, the MetalDirector™ can be installed into an accelerating conveyor of an optical sorter and integrated with the sorter's ejection system for the removal of aluminum cans and other metal objects.

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In the PET Recycling Industries, the MetalDirector™ can be added to any existing NRT sorter to detect and eject metals including aluminum cans or other metals.

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### Features

As little as 0 ppm metal in commodity

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Small footprint standalone machine

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Advanced detection array

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Low product loss

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Uptime of 99% or more

