

# Misplaced Item Clearer - MIC

Automatic removal of intercell items from cross-belt sorters



## The challenge

Small, lightweight and oddly-shaped items are difficult to process automatically on cross-belt sorters. They can shift, roll or tilt during induction and not reach the assigned cross belt. Subsequently, they end up lying between cross belts and have to be removed manually, which can only be done when the machine is stopped. In the meantime, the system runs with reduced capacity with the misplaced parcels often facing considerable delays.

## Our solution

The innovative Misplaced Item Clearer (MIC) uses sensors to detect misplaced shipments on a cross-belt sorter. MIC uses compressed air to automatically blow these items from the sorter into a designated outlet. Consignments can then be processed immediately without needing to interrupt sorter operations. This translates into an even better compliance with service level agreements, thereby reducing compensation payments for delayed shipments, and into higher satisfaction for end customers.

MIC can be easily and quickly integrated. The device is installed on the sorter itself, independently from the sorter manufacturer and without integration into the system's IT.

## Customer benefits

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- Supports fulfillment of service-level agreements by preventing shipment delays
- Higher efficiency thanks to increased sorter throughput
- Easy to install, without IT integration
- Quick return on investment
- Higher productivity of maintenance activities/work



## Technical data

Width	~1.90 m
Height	~0.90 m
Depth	~1.65 m
Weight	~120 kg
Supply pressure	8 bar (max. 10 bar, 3/4 inch)
Switching pressure valves	6 bar
Power supply	400 V AC
Control voltage	24 V DC
Humidity	30% - 70%
Temperature range	10 °C - 40 °C
Noise level	~95 dB(A)

## Customer provision

- Compressed air connection (8 bar, 3/4 inch)
- 400 V power connection
- Chute and, if necessary, a safety net

