

AQC-1



MAX-AI®
AQC

Max-AI® AQC (Autonomous Quality Control) are the ultimate in post-sort automation. When combined with NRT optical sorters, the paper and container sorting process is 100% autonomous and the need for human contact with waste is eliminated.

The AQC-1 makes multiple sorting decisions autonomously; for example, separating thermoform trays, aluminum, 3D fiber and residue from a stream of optically-sorted PET bottles. All of this is done at rates exceeding human capabilities and each pick is prioritized for profitability.

This advanced technology uses a machine vision system to see the material, specialized artificial intelligence to think and identify each item, and robotic sorters to pick targeted items or contamination. Max-AI AQC provide MRF operators with sustained and consistent sorting performance while improving safety, recovery, product quality and operational expenses.

A completely autonomous high-volume recovery solution when paired with NRT optical sorters.

Exceeds human capabilities in every metric including pick rate, accuracy, and uptime; and sustains those capabilities every minute of the day.

Up to six separate sorts from a single unit.

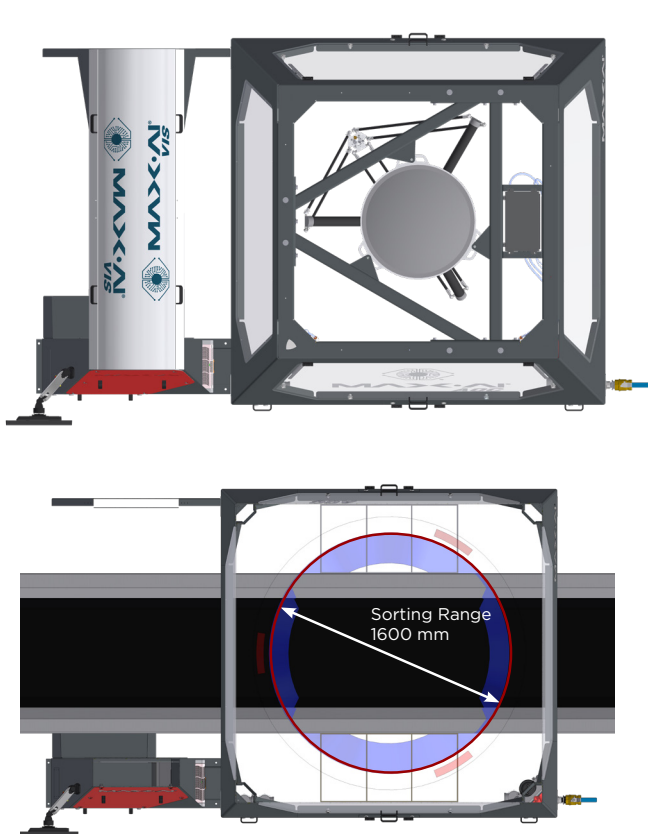
Picks are prioritized by value, weight, or other operator specifications. Priorities are easily adjusted when market conditions change.

Advanced neural networks can be retrained to identify new materials as waste streams change.

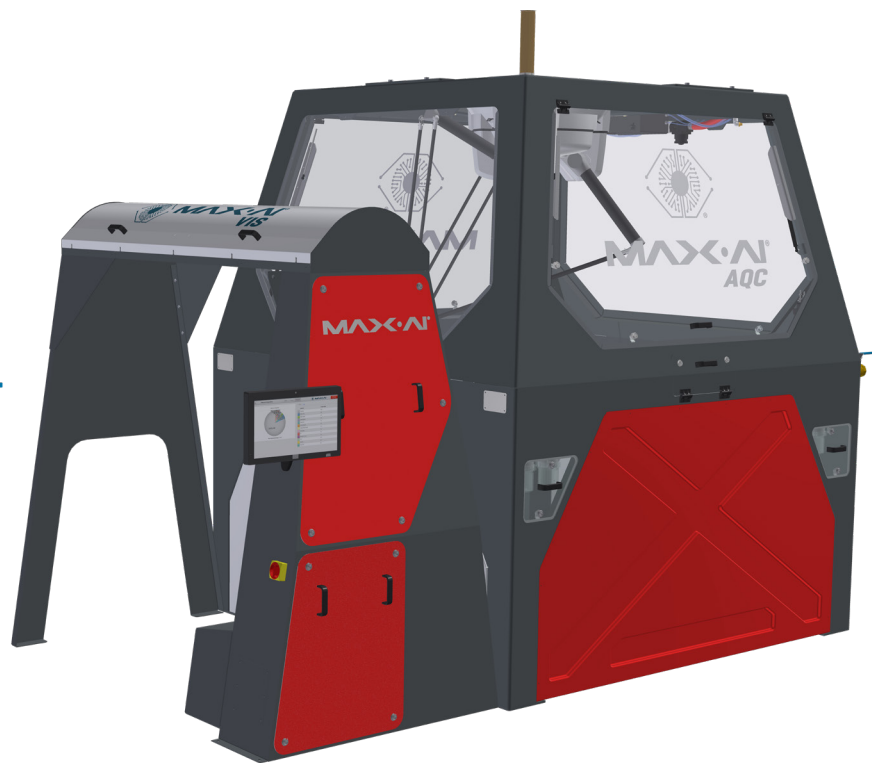
Can be installed in existing MRFs with no down time.

Improves plant safety by eliminating human contact with waste.

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Maximum Conveyor Frame Width 1.066 mm
Maximum Sorting Belt Width 800 mm



STANDARD STRUCTURE

Installed Length: 3.429 mm
Installed Width: 2.185 mm
Installed Height: 2.550 mm
Installed weight: 1.360 kg (approx)

Technical Specifications

Model	AQC-1
Identifiable Materials	Plastics & metal containers, paper, cardboard, cartons, residue
Sorting Speed	Up to 70 picks/min.
Number of Sorts	Up to 6 separate sorts
Air Consumption	1,12 m ³ /min @ 6,9 BAR
Required Air Supply	Filtered and Dry Air, Pressure: 6,9 BAR, ISO 8573.1 Class 1.4.2
Voltage, VAC 50/60 Hz, Single Phase	230V
Main Circuit Breaker	20A
Full Load Amperage (FLA)	15A
Power Consumption @ FLA	3,5 kW
Maximum Object Weight	0,5 kg
Maximum Object Size	250 mm
Sorting Conveyor Speed	0,5 - 1,0 m/sec.
Suitable Operating Environment	Indoors only; 2-37°C