

**AQC-1**



**MAX-AI®**  
AUTONOMOUS QC

Max-AI® Autonomous Quality Control (AQC) sorters are the ultimate in post-sort automation. When combined with NRT optical sorters, the container and paper 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 sorters provide MRF operators with sustained and consistent sorting performance while improving MRF 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.**

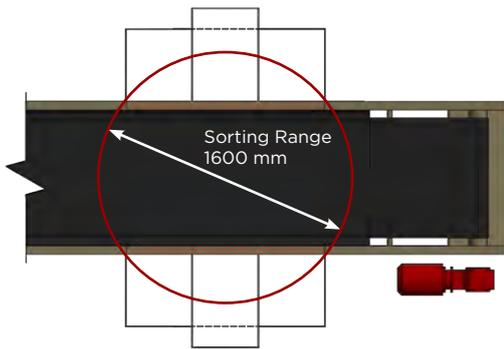
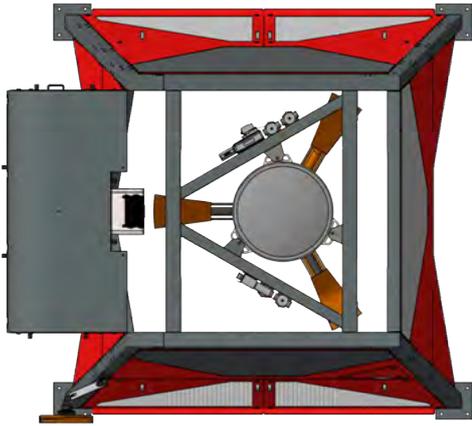
**Picks are prioritized by value, weight, or other operator specifications. Priorities are easily adjusted when market conditions change.**

**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.**

[max-ai.com](http://max-ai.com)



Maximum Conveyor Frame Width 1066 mm



**STANDARD STRUCTURE**

Installed Length: 3224 mm  
 Installed Width: 2865 mm  
 Installed Height: 2652 mm  
 Installed weight: 1.600 kg (approx.)

**Technical Specifications**

<b>Model</b>	AQC-1
<b>Applications</b>	Quality control of containers or newspaper. Positive sorting of recyclables
<b>Identifiable Materials</b>	Plastics & metal containers, paper, cardboard, cartons, residue
<b>Sorting Speed</b>	Up to 65 picks per minute
<b>Number of Sorts</b>	Up to 6 separate sorts
<b>Air Consumption</b>	1,12 m <sup>3</sup> /min @ 6.9 BAR
<b>Required Air Supply</b>	Filtered and Dry Air, Pressure: 6.9 BAR, ISO 8573.1 Class 5.4.2
<b>Voltage, VAC 50/60 Hz, Single Phase</b>	230V
<b>Main Circuit Breaker</b>	15A
<b>Full Load Amperage (FLA)</b>	10A
<b>Maximum Object Weight</b>	0,5 kg
<b>Maximum Object Size</b>	250 mm
<b>Sorting Conveyor Speed</b>	55 m/min.