

**AQC-1**



**MAX-AI<sup>®</sup>**  
**AQC**

Max-AI<sup>®</sup> AQCs (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 AQCs 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.**

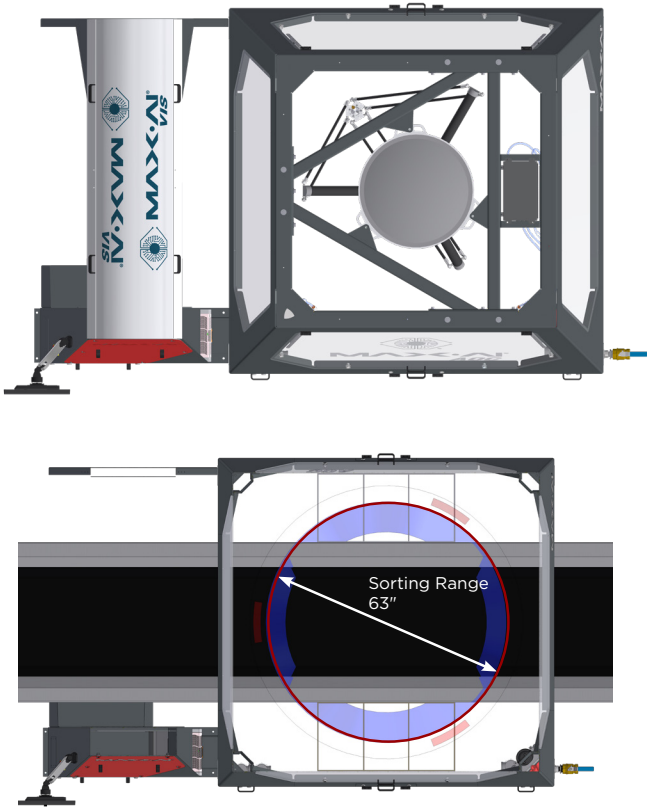
**Picks are prioritized by value, weight, or other operator specifications. Priorities are easily adjusted when market conditions change.**

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

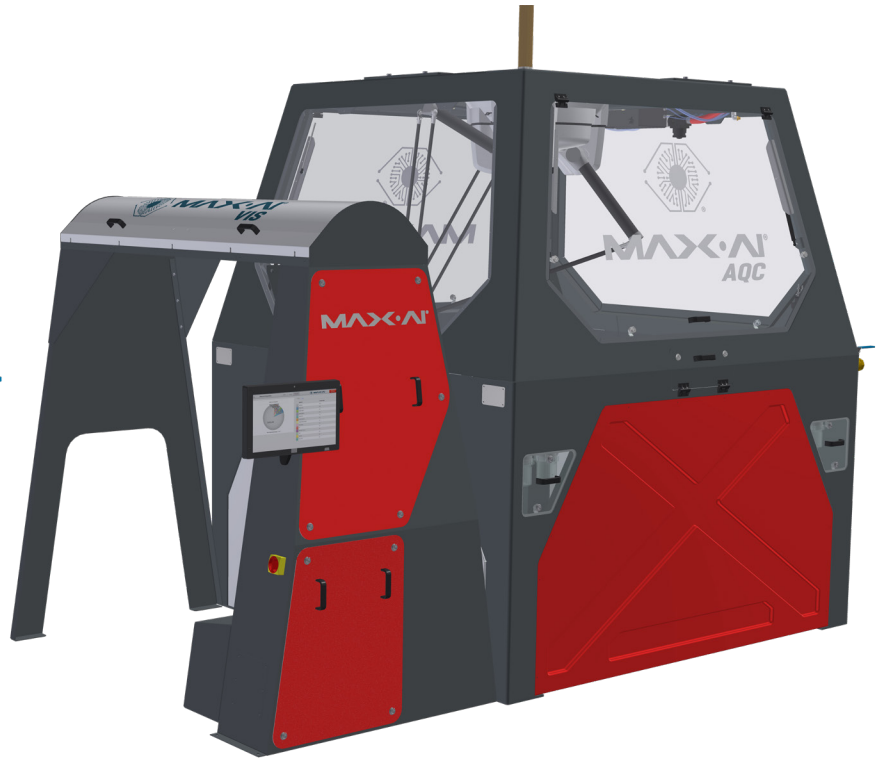
**Can be installed in existing MRFs with no down time.**

**Improves plant safety by eliminating human contact with waste.**

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



Maximum Conveyor Frame Width 42"  
 Maximum Sorting Belt Width 30"



**STANDARD STRUCTURE**

Installed Length: 11' 3"  
 Installed Width: 7' 2"  
 Installed Height: 8' 4"  
 Installed weight: 3,000 lbs (approx)

**Technical Specifications**

<b>Model</b>	AQC-1
<b>Identifiable Materials</b>	Plastics & metal containers, paper, cardboard, cartons, residue
<b>Sorting Speed</b>	Up to 70 picks per minute
<b>Number of Sorts</b>	Up to 6 separate sorts
<b>Air Consumption</b>	40 scfm @ 100psig
<b>Required Air Supply</b>	Filtered and Dry Air, Pressure: 100 psig, ISO 8573.1 Class 1.4.2
<b>Voltage, VAC 50/60 Hz, Single Phase</b>	230V
<b>Main Circuit Breaker</b>	15A
<b>Full Load Amperage (FLA)</b>	10A
<b>Power Consumption @ FLA</b>	2.3 kW
<b>Maximum Object Weight</b>	1 lbs.
<b>Maximum Object Size</b>	10 inches
<b>Sorting Conveyor Speed</b>	100-200 feet/min.
<b>Suitable Operating Environment</b>	Indoors only; 35-100°F

