



MAX-AI
AQC-C

Max-AI® AQC-C (for 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-C is a solution that is comprised of Max-AI VIS (for Visual Identification System) and at least one collaborative robot (CoBot). CoBots can work alongside people, minimizing structural requirements and footprint while improving maintenance access. The AQC-C can be quickly and easily placed into existing Material Recovery Facilities (MRFs) with no down time.

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-Cs provide MRF operators with sustained and consistent sorting performance while improving safety, recovery, product quality and operational expenses.

Can be installed in sort cabins, on narrow walkways and in other tight locations

Works alongside people

Easily scalable; up to four robotic sorters can be added behind each Max-VIS system

Up to four separate sorts from a single unit

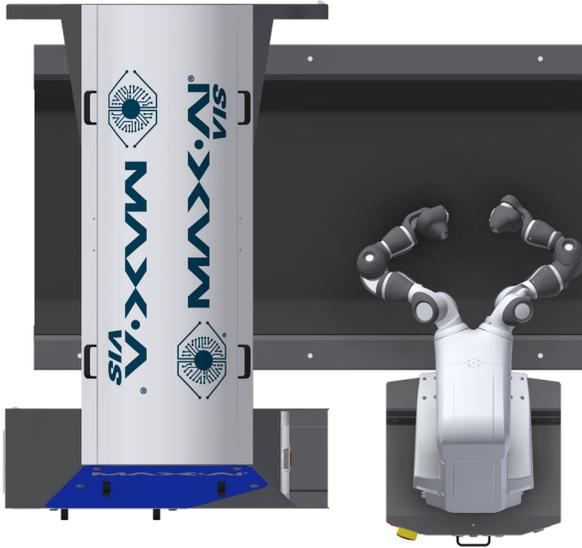
Consistent and predictable pick rates

Dependable & able to work multiple shifts

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

Captures valuable material composition data with machine vision & artificial intelligence

Minimal structural requirements & footprint for easy installation



Maximum Conveyor Frame Width 42"
 Maximum Sorting Belt Width 30"
 Sorting Range 18" each robot

STANDARD STRUCTURE

Installed Length: 9' 4"
 Installed Width: 7' 0"
 Installed Height: 6' 8"
 Installed weight: 1,200 lbs (approx)

Technical Specifications

Model	AQC-C
Identifiable Materials	Plastics & metal containers, paper, cardboard, cartons, residue
Sorting Speed	Up to 40 picks per minutes per robotic unit (2 arms)
Number of Sorts	Up to 4 separate sorts per unit
Air Consumption	80 scfm @ 100psig
Required Air Supply	Filtered and Dry Air, Pressure: 100 psig, 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	.5 lbs.
Maximum Object Size	10 inches
Maximum Object Height	6 inches
Sorting Conveyor Speed	100-200 feet/min.
Suitable Operating Environment	Indoors only; 35-100°F