

BHS Launches the Max-AI® AQC-C

The collaborative robotic sorter is on display at WasteExpo, alongside a revamped Max-AI® product line

EUGENE, Ore. – May 1, 2019 – Bulk Handling Systems (BHS) has launched the Max-AI® AQC-C, a solution that is comprised of Max-AI VIS (for Visual Identification System) and at least one collaborative robot (CoBot). CoBots are designed to work safely alongside people which allows the AQC-C to be quickly and easily placed into existing Material Recovery Facilities (MRFs). BHS launched the original Max-AI AQC (Autonomous Quality Control) at WasteExpo in 2017. At this year's show, our next generation AQC will be on display along with the AQC-C.

Unlike the AQC, which needs more structure to support the robot and guard employees, the AQC-C can be installed in sort cabins, on narrow walkways and in other tight locations. It is also easily scalable; up to four robotic sorters can be added behind each Max-VIS system. Each sorter can sort up to 40 picks per minute and up to three different material types.

“The AQC-1 and AQC-2 are fantastic solutions in the right system; but in our business, footprint and installation modifications are always a major factor,” said BHS V.P. of Sales and Marketing Rich Reardon. “The AQC-C is the perfect complement to our Max-AI family of sorters; it's a fast and easy installation and can work essentially any place a manual sorter can. Unlike a manual sorter, the AQC-C won't get tired, sick, injured or no-show – and it will sort all day without a break! The flexibility is tremendous: customers are able to add one, two, three or four units per VIS and adapt with their processing needs. We're really excited about our newest Max offering and can't wait to show it off at WasteExpo,” Reardon said.



Max-AI VIS is a standalone piece of equipment used to analyze and report material composition data to operators. The all-new Max-AI product line includes VIS in its standard design with all

equipment, rather than incorporated into the equipment structure. This makes possible the installation of VIS independent from a robotic or optical sorter and this distinction benefits Max-AI customers in several ways. The neural network artificial intelligence (AI) is trained for each installation, which takes place after VIS gathers data from the material stream. When VIS is installed beforehand, the robotic or optical sorters can be installed when the AI is trained and optimized. It also allows for detailed material composition data to verify that either the purchased equipment is the correct solution or that a modification should be made. Finally, a standard VIS design provides the future flexibility to add equipment to VIS units or move equipment as processing needs change.



Max-AI®

Max-AI technology employs artificial intelligence (AI) to recognize materials similar to the way a person does. Launched by BHS in 2017, Max-AI technology powers robotic sorters, optical sorters, and reporting systems, and will continue to be integrated into new and existing equipment throughout Material Recovery Facilities (MRFs). Max-AI is the world's most installed

AI-powered recycling solution. The technology is driving improvements in MRF design, operational efficiency, safety, recovery, system optimization, maintenance and more.

Bulk Handling Systems (BHS)

Headquartered in Eugene, OR, BHS is a worldwide leader in the innovative design, engineering, manufacturing and installation of sorting systems and components for the solid waste, recycling, waste-to-energy, and construction and demolition industries. Wholly-owned subsidiaries include Nihot (Amsterdam), NRT (Nashville, TN) and Zero Waste Energy (Lafayette, CA). BHS is also the home of Max-AI® technology, a breakthrough artificial intelligence that identifies materials, makes intelligent decisions and directs equipment such as robotic sorters. Clients around the globe choose BHS because of its experience, dedication to cutting-edge technology, quality construction and durability, and unmatched customer service. BHS has built some of the largest and most durable MRFs in the world – and they are achieving the highest throughput, recovery, and purity rates in the industry.

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