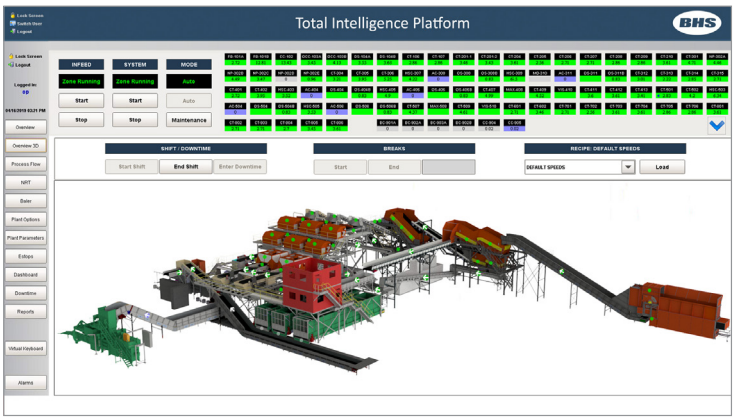
VIS

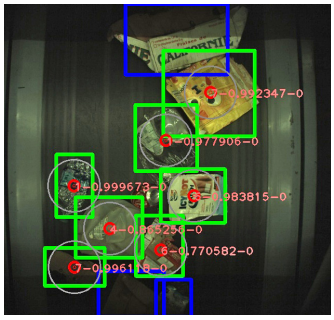
MAX·AI® VIS

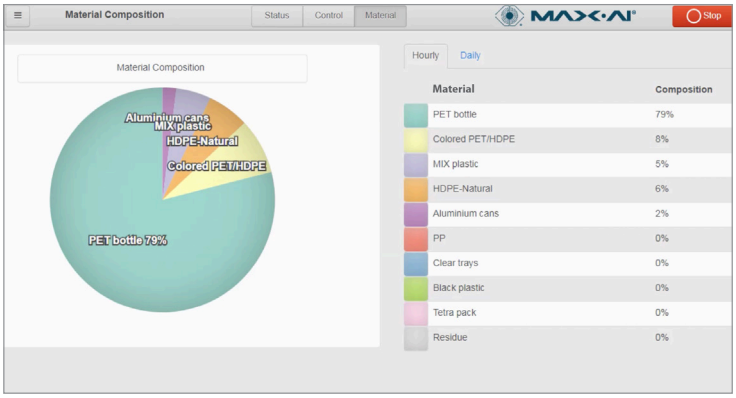
Max-AI® VIS (for Visual Identification System) identifies recyclables in real time and is a cost-effective way to monitor material composition throughout a system. Max-AI technology employs both a vision system and multi-layered neural network to see and identify objects similar to the way a person does. Max-AI VIS can be used to verify the quality of end products, or to analyze residue as it leaves a system.

This data is visible to operators through the BHS Total Intelligence Platform, in real time and trending. The Total Intelligence Platform provides information to track the entire recycling process in a visual and easy-to-use interface.

- Autonomous material composition analysis
- User-friendly visibility and reporting
- Advanced neural networks can be retrained to identify new materials as waste stream changes
- Not limited by NIR or other deterministic sensors; rather AI-powered analysis identifies material mix in one step
- When paired with the BHS Total Intelligence Platform, provides material composition for day, week, month or any other period and analyzes trends
- Flexible for various applications: Monitor inbound material stream, machine center or equipment performance, final product quality and residue







Technical Specifications

Model	Max-AI VIS (Visual Identification System)		
Applications	Identification of waste materials		
Identifiable Materials	PET bottles, PET thermoform, HDPE-Natural, HDPE-Color, polypropylene, mixed plastics, aluminum, mixed paper, news cardboard, residue, black plastics, aseptics/cartons		
Configurations	**VIS-48**	**VIS-84**	**VIS-120**
Cameras	1	2	3
Belt Width	Up to 1.219 mm	1.219-2.134 mm	2.134-3.048 mm
Installed Length	1.168 mm	1.168 mm	1.168 mm
Installed Width	2.108 mm	3.023 mm	3.937 mm
Installed Height	2.032 mm	2.032 mm	2.032 mm
Installed Weight	295 kg	329 kg	363 kg
Maximum Conveyor Frame Width	1.524 mm	2.438 mm	3.353 mm
Main Circuit Breaker	20A	20A	20A
Voltage, VAC 50/60 Hz, Single Phase	230V	230V	230V
Full Load Amperage (FLA)	15A	15A	15A
Power Consumption @ FLA	3.5 kW	3.5 kW	3.5 kW
Suitable Operating Environment	Indoors only; 2-37°C		