

MONTROSE TECHNOLOGIES INC.

Advanced Vision systems form the clearest picture

Whether your line produces hamburger buns, french fries, potato patties, enrobed snacks, pizza crusts, cookies, loaves of bread or pretty much anything that can be baked, MTI Adaptive Intelligent Material Handling Systems (AIMHS) provide state of the art, rapid deployment, cost effective, solutions to efficiently and easily solve many of the challenges surrounding production line automation.



Often, an MTI vision system can be placed adjacent to an existing production line plugged in and it's ready to start work. By collecting information relative to product quality, it tracks and stores bake characteristics for all objects irrespective of belt location and orientation making line performance information available at any time of the day or night. When coupled with an automated, discriminatory rejection unit and an MTI-AIMHS the need for manual inspection can be all but eliminated.



If you would like to find out more about how an MTI solution can improve line efficiency and save you money we'd be pleased to talk to you about it.

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Vision System Specifications

Measurement Accuracies

Heights:	better than 0.5 mm
Length/Width:	+/-1.0 mm
Total Volume:	1%
Diameter:	+/-1.0 mm
Color:	+/-1dbu

Object Characteristics

Throughput:	Up to 50 objects per second (24000/min)
Max. Length:	User defined (based on belt length)
Max width	300 mm across belt
Max. Height:	200 mm

Computing

CPU:	Intel dual core Pentium
HDD:	100GB
Memory:	1GB
Interface:	VGA Touchscreen
OS:	WinXP
Comms	Ethernet(10/100BaseT), modem, serial, USB
Field of View	Belt width from 2inches to 96 inches
2D Imaging	1K color (CamLink) line scan (upgradeable to 2K resolution)
3D Profiling	1K CamLink area scan (upgradeable to 2K resolution)

Environmental

Max. Temp.:	50° C (122° F)
Min. Temp:	2° C (36° F)
Humidity:	5% to 95% (non-condensing)

Power

Elec. Enclosure:	20A @ 120/240 VAC/60Hz , 1PH
Conveyor Drive:	6A @:240,460,575/ VAC/60Hz,3PH
Air:	30cfm @ 80psig (min)

* All specifications subject to change without notice.

System Options:

- Rejection Subsystem
- Virtually unlimited conveyor options
- Object redirection/flow management
- Recirculation, accumulation, flow control
- NEMA4x Rating
- Additional user interface
- Alarms - visual and/or audible
- External device interface support
- Robotic handling