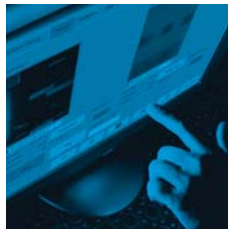


KromaKing[®] VISION SYSTEMS

Metal Decorated Sheet Inspection System



The most reliable, accurate, and simple to set up system in the world, guaranteed!*

The KromaKing Metal Decorated Sheet Inspection System is specifically designed to verify the accuracy of color and overall pattern of the printing process and detect registration errors, color shifts and spatial defects.

The system is easy to set up, self-training, and it automatically inspects metal decorated sheets at line speeds reliably without operator intervention. Integrated alarm functions notify you of defect trends to help you quickly identify and correct the cause, and the system provides statistical information to support process control.



Applied Vision creates the industry's most advanced automated inspection systems through application-specific expertise in imaging technology, software algorithms and user interface. For world-class inspection capabilities that save you valuable time and cost, there's simply one solution. KromaKing. Only from Applied Vision, the global leader in machine vision for the food and beverage industry.

Metal Decorated Sheet Inspection System

The KromaKing system for metal decorated sheet inspection uses two cameras on a traversing slide: one inspects the registration mark and the other inspects for color shifts and spatial defects. The system is typically installed after the oven or UV curing station, and the cameras are positioned above the production line.

An LCD touch screen user interface allows the operator to program the cameras to move to selected color regions and registration marks on the metal decorated sheet to inspect for specific defects (see list below). Accurate color measurements are provided in Delta E, Delta Lab, Delta RGB and Delta CMY values. One blank is also inspected per sheet, and a scanning sequence ensures every blank location is periodically inspected.

A cost-efficient turnkey system, KromaKing comes complete with all required components including application-specific lighting and optics, intuitive touch screen user interface, NEMA rated industrial enclosures and mounting hardware.



KromaKing automatically inspects metal decorated sheet at line speeds, detecting registration errors, color shifts, spatial defects and more. Applied Vision's application-specific expertise and exacting standards in componentry combine to deliver the best system value in our industry.

Detects:

- Scumming • Hazing • Color shifts • Spatial defects • Color smears
- Oil on metal • Color variation • Misregistration • Pattern defects • Fish eyes

Features:

- Remote-mounted flat-panel touch screen user interface • On-line setup
- Programmable traversing slide gantry • Process feedback • Digital I/O alarms
- Remote diagnostics monitoring and control • Automatic image intensity adjustment for each part • Solid-state lighting • Vision controller • NEMA rated packaging • Ease of use: intuitive, simple terminology, easy-to-understand graphics, self-training

Get quick setup, 100% inspections at line speeds – and minimize costly spoilage. Look into Applied Vision's complete line of simply smart systems for food and beverage packaging inspection.

Specifications:

Environment:

- 0-45° C (32-113° F), Up to 90% Relative Humidity Non-Condensing
- Dual Vertical Dimensions: 71 cm x 152 cm x 36 cm (28"w x 60"h x 14"d)
- Power: 120 or 230 VAC
- Air Requirements for Reject Blowoff: 410-550 kPA (60-80 psi)

Communications:

- Digital I/O – Discrete Optically Isolated 8 Inputs and 16 Outputs
- Optional – Extended Configurable I/O for Results Export Feature
- Optional – Full Remote Operation via Internet Connection



Specifications are subject to change without notice.



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Printed in U.S.A.

3/07 DCI 1500