

The MTC Smart Advisor High Speed Camera System for the Press Room

Application:

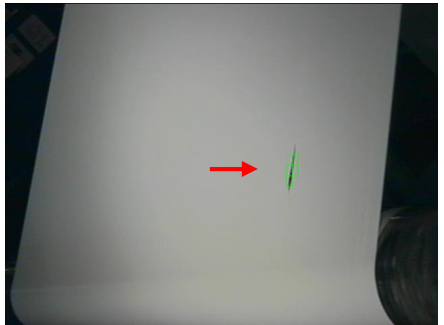
The MTC Smart Advisor System using MD Web Inspection provides 100% inspection of all paper coming into the press line. The Smart Advisor System is a Kiosk System designed for Press Lines. The rack has an enclosed operation station and is designed for placement next to the control room and designed for simple plug and play and easy mobility to other lines.



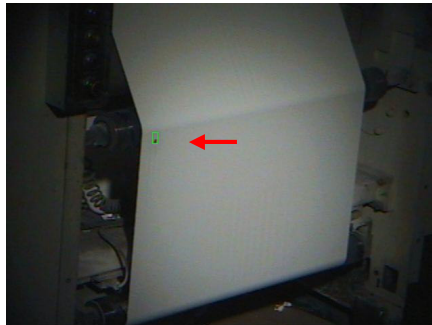
The system accommodates four to eight cameras and includes color-coded cabling for fast, simple installation. The system provides operators with real time (defect and break) information to instantly help determine the root cause. Once the root cause is known, corrective action can be taken to avoid reoccurrence in the process. By automatically reporting these defects each incident can be shared with the paper roll suppliers in jpeg and movie format to improve future quality coming into the plant.

Value:

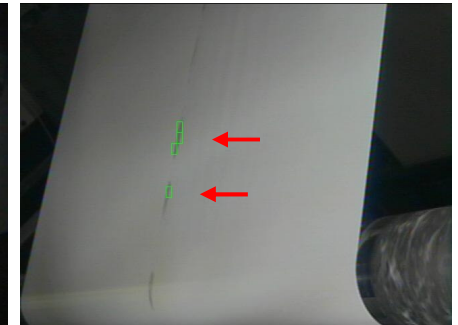
Systems are being used to enable operators to determine the root cause of process issues, correct them and realize incredible savings and to increase valuable run time.



Picture 1- Cut



Picture 2 - Hole



Picture 3 - Oil Spots

“The MTC Smart Advisor system has exceeded our expectations in just the short time we’ve had it operational. With the system, we can now inspect 100% of the paper that runs through the press. Smart Advisor with MD Web Inspection provides us with the specific video data that assists us in determining the exact cause or source of every web break we experience. With the cameras at both infeeds and cameras placed downstream at the slitters and synchronized, we have the means to find and eliminate the source of breaks and to avoid reoccurrences. This decreases the time spent on our top delay in the Pressroom, web breaks. We have seen a 40% decrease in “Press caused” and “Suspect press” web breaks since we turned on the MTC system. Our paper suppliers know that we have installed the MTC Smart Advisor System and are reacting in a very positive manner. We are sending web defects back to the mills with all pertinent data to help them resolve the source of defects on the paper machine.”

Press Room Manager

Monitoring
Technology



“We have been promoting the value of high-speed video camera technology for many years. We had experienced benefits from camera systems provided by the paper mills regarding paper and press related problems. Even though benefits were obtained, these systems were not easily installed, needed constant monitoring, and were very expensive to purchase.

The MTC Smart Advisor met all our expectations in our decision to purchase. After installation, the system went well beyond our expectations, enough that we have already expanded the system by 2 complete camera modules.”

Material Analyst

Scope:

- Free standing rack (on wheels) and enclosed operation station
- 19-inch TFT flat screen monitor
- Retractable keyboard and mouse tray
- 4-8 cameras (all remote controlled) with mounting arms (Capacity to accommodate 8 cameras)
- Color-coded camera cables with termination in rack
- Break and speed signal termination in rack
- Filtered air intake
- Lighting options available
- Plant-wide Enterprise Networking
- Quick disconnect Machine and Line junction boxes for easy mobility from line to line.



Installation:

Four remote control high speed cameras are mounted on each of the 2 unwinds as well as each of the two slitters. Pre-connectorized cables are provided to connect cameras to j-boxes and j-boxes to each machine j-box and to the rack. The Kiosk rack is on wheels and can be easily rolled to another line also fully equipped with a machine j-box and j-boxes along each line. A network connection is also available at the machine j-box along with a phone line for remote connection for diagnostics and troubleshooting. Conditioned power is provided to the rack (110V 15A or 220V 8A).

“The MTC Smart Advisor System is extremely easy to use. The value of qualifying breaks to their source has already helped us eliminate them from reoccurring. Recently, after a break, we replaced a slitter after viewing the movie clip from the camera located at the slitter position.”

Line Main Operator

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