



CRC2K

Color Register Control



An intelligent, highly efficient and feature rich closed loop Color Register Control

OPERATING PRINCIPLE

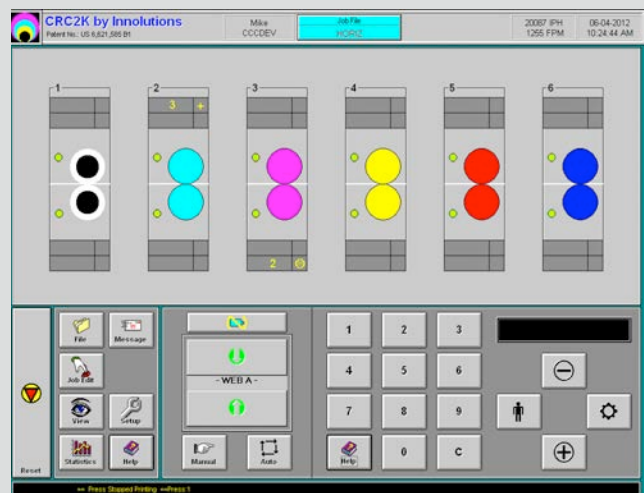
CRC2K utilizes state-of-the-art video imaging technology and patented shape recognition algorithms to provide you with one of the most accurate, fast and reliable color register controls. While competing controls wait for clean print, CRC2K can recognize register marks through print scumming and starts making register moves, providing the fastest register pull up in the industry. The CRC2K interfaces directly to your register motors, or may communicate its moves to existing PLCs and control panels.

DEVELOP. INNOVATE. EVOLVE.

Innovations has been providing Web Printing Control solutions to the printing industry to reduce waste & improve print quality for more than 20 years.

INQUIRE ABOUT OUR OTHER PROCESS CONTROLS

- Closed Loop Color Control
- Cutoff / Circumferential Register Control
- Web Guide System
- Web Break Detection System
- Ink Leveling System
- Ink Presetting System



....another innovative solution by





REDUCE MAKE-READY WASTE, IMPROVE
OVERALL QUALITY AND BOOST YOUR BOTTOM
LINE

SETUP AND MAINTENANCE

- CRC2K is equipped with an automatic cylinder centering feature which is effective in both lateral and circumferential directions.
- Modular design allows easy swapping of components with minimum skills.
- Use of industry standard commercial components throughout the CRC2K assures that spare parts are always available and inexpensive.
- On-line troubleshooting and software maintenance can be done remotely via an internet connection.
- CRC2K is entirely operated and adjusted using a touch-screen interface. No oscilloscope or other specialized equipment is required for calibration.
- LED light strobes with 100,000 hour average life provide consistent illumination at the highest press speed for stable image acquisition.

FEATURES

- The mark cluster requires a very small clear area, 0.18" x 0.96" for 8 colors, 0.12" x 0.75" for 4 colors. The individual marks for each print unit are a mere 0.02".
- Mark cluster can be oriented across or along the web. This allows the mark cluster to be positioned between pages, resulting in significant waste savings.
- CRC2K further reduces waste by presetting a job to the operator defined location. When locking units in AUTO mode, operator has three choices : 1) To read and maintain current register relation. 2) To read and bring register relation to ideal locations. 3) To read and bring register relation according to the last run.
- The imaging assembly reads ALL of the register marks simultaneously in a single frame.
- CRC2K is capable of sensing errors as small as +/-0.001".
- Equipped with a unique SQM (Statistical Quality Monitoring) feature, CRC2K gives details about extreme errors and consistency of quality for each print unit. This information can be useful in fine tuning different operating parameters on the press for optimizing overall efficiency. Graphical representation of the errors help in Error Trend Analysis for detecting loose blankets and tension mismatch.
- A high resolution flat panel Color Touch Screen provides important information with a user friendly display scheme. All operator inputs are provided by touching ergonomically designed interface buttons on the screen.
- A context sensitive help system assures that the operator always has the information required to perform the task at hand quickly and efficiently.
- Any print unit on a surface can be specified as a Master Unit. CRC2K maintains register position of all print units relative to the Master Unit. Master unit can be changed on the fly without losing current job setup.
- For multiple web presses, the jobs can be easily set for different unit splits (example: 5+3 units, 4+4 units, etc.).
- Camera view displays live images as acquired by the system.
- CRC2K supports phaser motors for print unit to print unit timing.
- An unlimited number of job configurations can be saved for future use.

** Specifications are subject to change without notice*

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