CRC
Circumferential Register Control

A HIGH SPEED, FLEXIBLE, USER FRIENDLY AND ACCURATE CUTOFF CONTROL

CRC is a universal closed loop process controller which can be used in various circumferential registration applications like Sheeter, Folders, Gluers, Perforators, Die-Cutters, Coaters and Rotary Cutters.

CRC can also be used for Offline Finishing applications to maintain print-to-process register on preprinted rolls of web.

OPERATING PRINCIPLE

Dual high speed microprocessors continuously monitor the relation between the print and the process cylinder. CRC utilizes unique Statistical Methods to determine the optimum correction for best quality output. Corrections are made by advancing or retarding the process in relation to the web. Precise positioning is achieved with an AC Synchronous Motor which can drive a web compensator in the web path or a phase shifting mechanism in the process cylinder drive.

SPEED AND ACCURACY

CRC is designed for press speeds up to 100,000 impressions per hour. For a typical printing press with 22.750" repeat length, this translates into a process speed of over 3000 feet per minute. Even at its rated speed, CRC is capable of measuring register error as small as +/-0.0016".

DEVELOP. INNOVATE. EVOLVE.

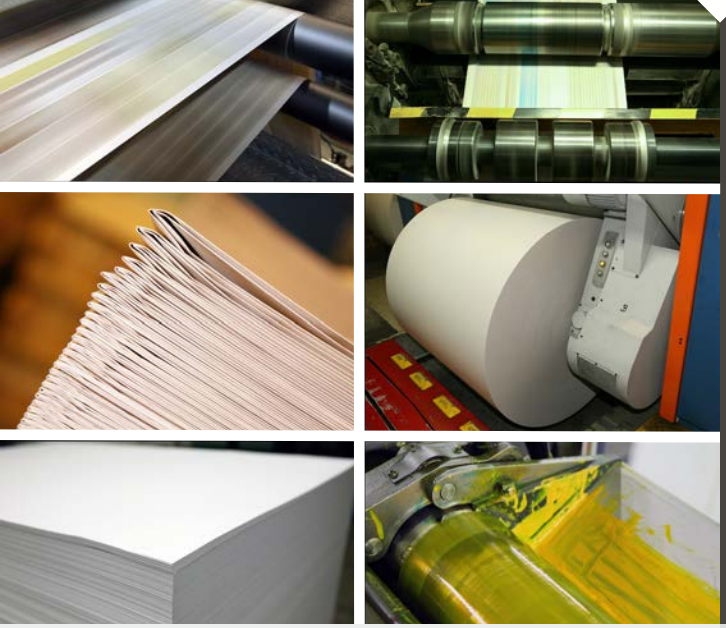
Innolutions has been providing Web Printing Control solutions to the printing industry to reduce waste & improve print quality for more than 20 years.

INQUIRE ABOUT OUR OTHER PROCESS CONTROLS

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

....another innovative solution by

innolutions



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

ADDITIONAL BENEFITS

REDUCED WASTE

CRC uses twice the correction rates typically used by conventional controls resulting in substantial waste savings during start up and splice cycles. Quality during normal production is significantly improved with the help of built in optimization through statistical processing.

STATISTICAL QUALITY MONITOR

CRC eliminates subjective quality guesswork. The SQM feature gives you numeric values to compare the quality to the job specifications. This information can be critical in troubleshooting and optimizing press parameters.

CUSTOMIZATION

CRC is a true digital control. There are no potentiometers or set-up switches. All parameters are entered digitally from the Operator's Panel.

PRINT RECOGNITION

With CRC, you do not need a dedicated target or cutoff marks. CRC reads the print on the web and automatically locks on an optimum print area.

FEATURES

Encoder

- High resolution.
- Rugged construction.
- Quick disconnect cable.
- Custom mounting brackets for process cylinder and drive shaft mounting.

Web Scanner

- LED light source with 100,000 hour average life.
- Rugged Aluminum housing.
- Light or dark switching.
- Quick disconnect cable.
- Universal mounting brackets for positioning.

Central Processing Unit

- Modular construction.
- Modules can be swapped without requiring any tools.
- True digital processing for accuracy and reliability.

AC Synchronous Motor

- Synchronous motor for accurate positioning.
- Phase Shift (R-C) Network supplied with the motor.
- Universal mounting brackets and drive provided for easy hook up to the existing correction mechanism.

Operator Panel

- Large 40 character back-lit LCD message display.
- Numeric input for direct correction / parameter entry.
- Rugged Aluminum housing.

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