

CRS 10K Eye Touch is a longitudinal and transversal colour register control which automatically corrects printing mis-alignment.

This improves the quality of the print jobs and increases the printer's profit. The system analyses the printed image generated by the register marks, which are printed alongside the actual work.

The independent white LED fibre optics sensors scan the register marks and the computer compares the actual location with the desired location for each printed colour. The computer then generates appropriate correction signals to correct for any misregistration in the print.



OUR PRODUCTS

REGISTER CONTROLS



WEB INSPECTION SYSTEMS



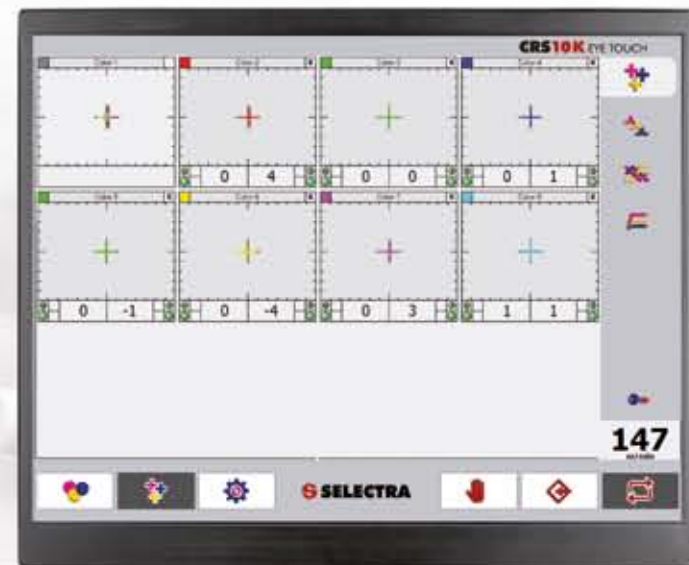
WEB-GUIDES CONTROLS



VISCOSITY CONTROLS

CRS 10K EYE TOUCH

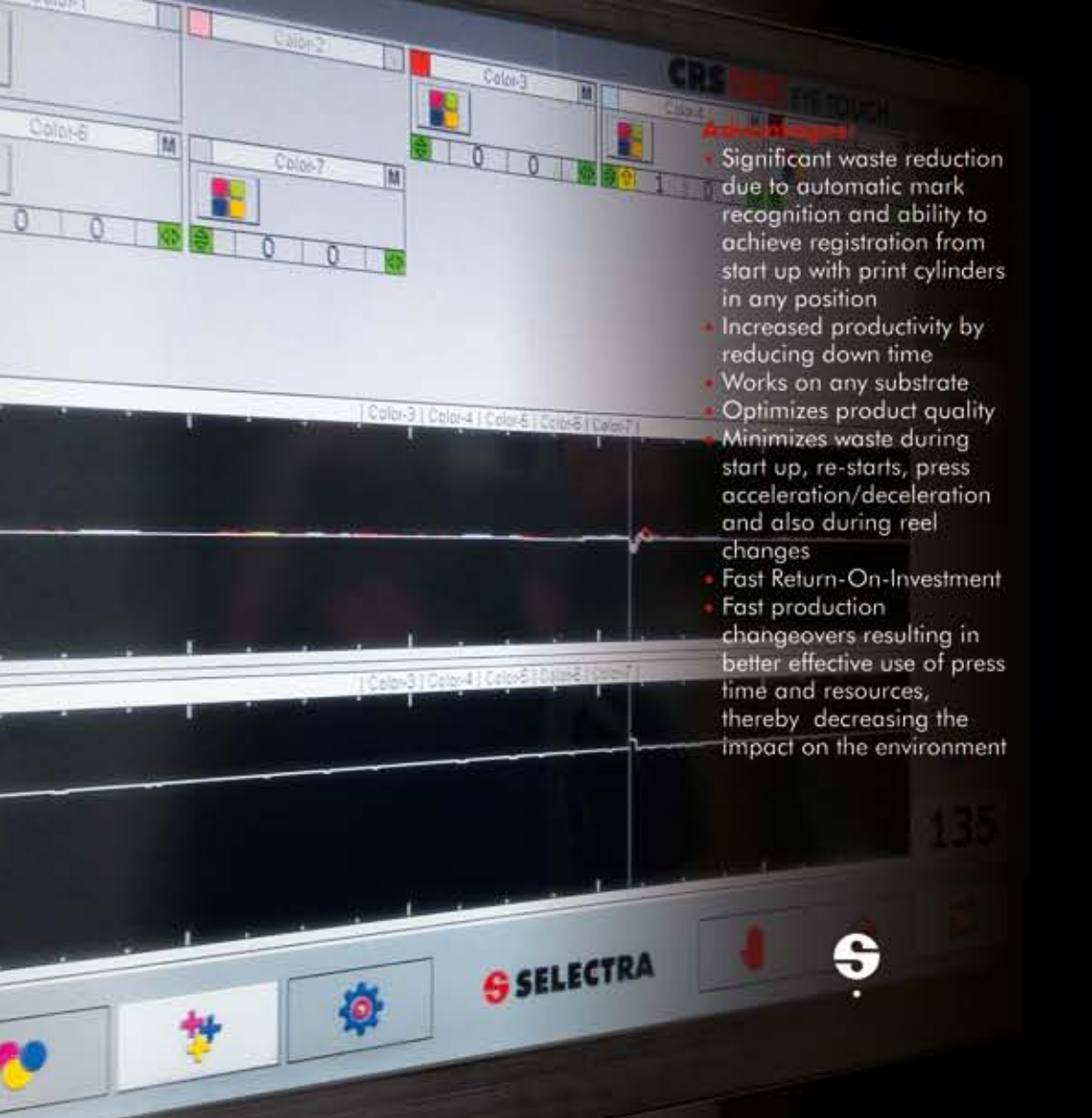
REGISTER CONTROLS FOR ROTOGRAVURES AND FLEXO MACHINES



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- Significant waste reduction due to automatic mark recognition and ability to achieve registration from start up with print cylinders in any position
- Increased productivity by reducing down time
- Works on any substrate
- Optimizes product quality
- Minimizes waste during start up, re-starts, press acceleration/deceleration and also during reel changes
- Fast Return-On-Investment
- Fast production changeovers resulting in better effective use of press time and resources, thereby decreasing the impact on the environment



Operator's friendly

Programming, configuration and adjustment are extremely easy for the operator. Setup and operation is implemented through an industrial PC with LCD touch-screen monitor. The configuration of each printing head is independent of the others.

Register marks:

The marks act as reference for the register control. Correct alignment of the register marks results in perfect registration of the print.

Correction motors:

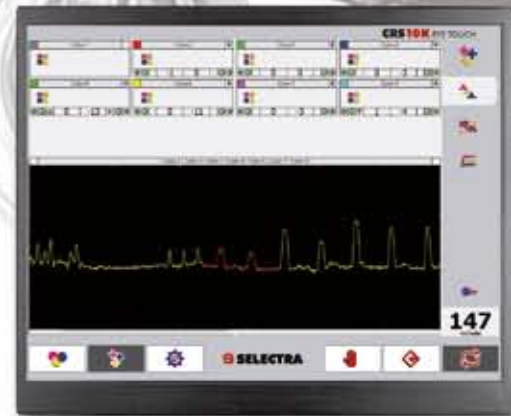
- Slo-Syn
- DC with variable speed
- AC with variable speed
- Brushless

Extremely high precision:

granting an outstanding reading tolerance. The control uses PID algorithms which can immediately eliminate errors due to splicing, reel changes and variations in speed or tension. Thanks to the sophisticated algorithm, the system works flawlessly even under abnormal conditions.

Technical information

- Operation speed: from 5 m/min
- Max. correctable error: 360°
- Sensitivity: 0,01 mm
- Error threshold: settable
- Min working speed: programmable
- Mark recognition: automatic
- Pre-setting: fully automatic
- Start-up: fully automatic
- Windows based software
- Simultaneous control of print elements
- Independent fibre optics sensors for each printing station
- Digital measurement control with independent micro-processors for each unit
- Available for gearless presses



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The electronics is connected and interfaced to machineries controls by means of PC stations and touch screen operational interfaces based on Windows CE platforms. The measuring heads and the control units are connected by electric wires thus permitting installations of these elements even with extended distances.