BALDWIN ® | Vision Systems

Perfect register, simplified

Register Guidance with MultiCam **|** for Newspaper Web Offset Printing

Achieve salable copies in a minimum number of press impressions from startup. Extraordinary color-to-color and folder registration combined with the world's fastest and best-selling register camera delivers reduced makeready and improved performance.

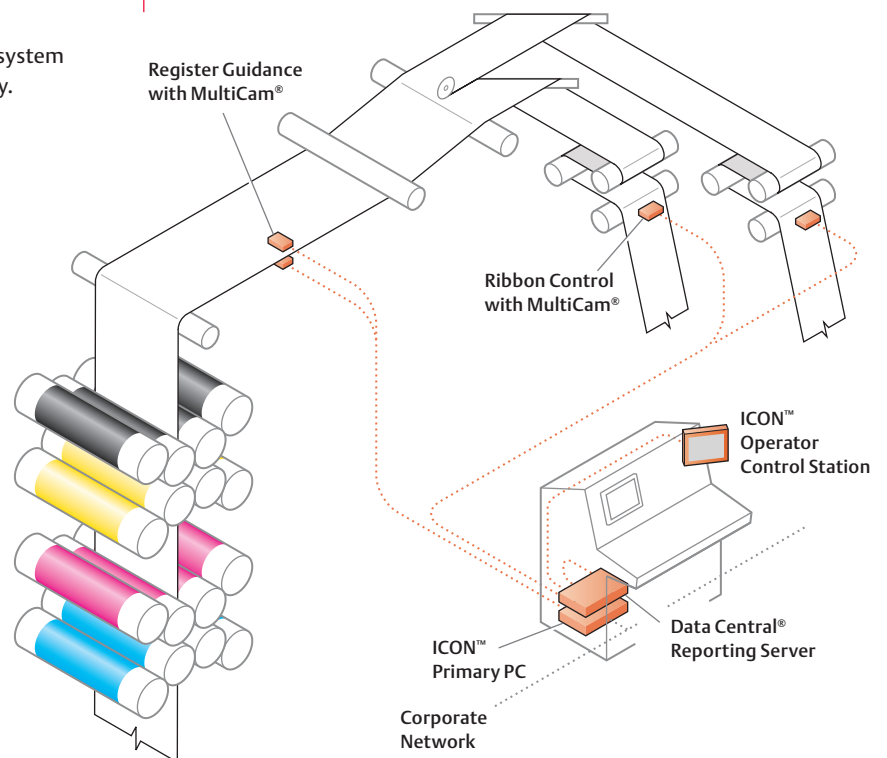# Accurate, efficient control for exceptional quality

Register Guidance with MultiCam is a closed-loop color-to-color register control system designed to work on the ICON™ integrated platform with other Baldwin Vision Systems products—including the Ribbon Control with MultiCam and Data Central® Reporting.
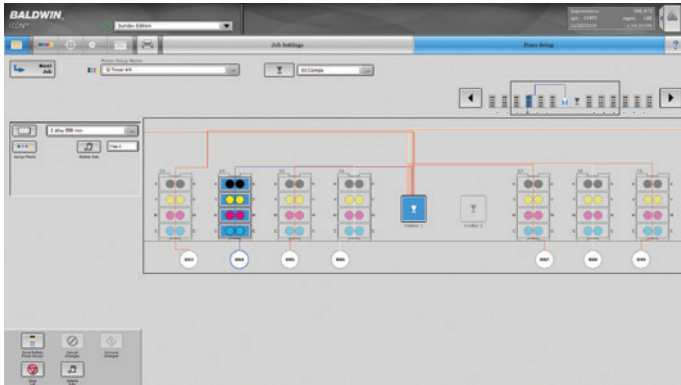
The revolutionary Register Guidance with MultiCam combines unmatched color-register performance with the flexibility needed to meet the most demanding press requirements. Plus, you'll benefit from breakthrough camera technology that's adaptable, affordable, and virtually maintenance free. You'll achieve salable copies in a minimum number of press impressions from startup—reducing waste, increasing savings, and maximizing print quality.
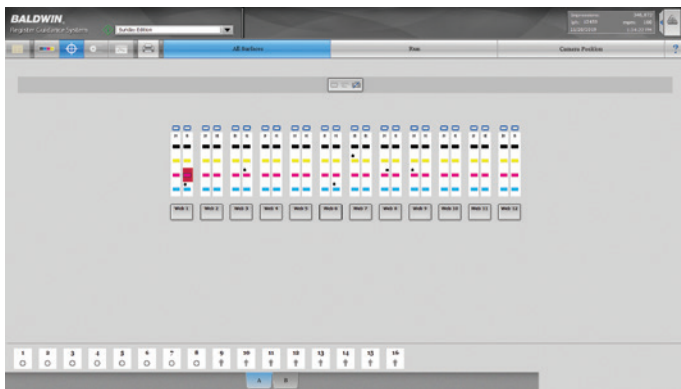
Features and Benefits

- Quicken makeready, minimize errors, and reduce waste. Camera functions can be preset with information from the press controls themselves or from the ICON setup library—including mark position information.
- MultiCam provides both circumferential and lateral color register control in a compact, low profile system.
- Install MultiCam easily with minimal mounting and electrical hardware.
- Greatly streamline job setup by giving your operators instant access to preset parameters for all their saved jobs.
- Easily manage multiple towers and further streamline system setup with our motorized camera transport technology.

- Operator training is incredibly easy, so your pressroom can experience maximum benefits with minimal wait.
- Find marks faster during makeready and web-tension upsets with MultiCam's industry-leading searches of 30 times per second.
- MultiCam identifies register marks as small as 0,36 mm (0.014 in) as well as legacy RGS, Autotron™, and other manufacturers' marks at speeds up to 17,8 M/sec (3,500 ft/min).
- Share a single Operator Control Station for all your Baldwin Vision Systems controls, and streamline your operations using the ICON integrated platform.
- Automatic front-to-back register control precisely aligns the printed image on both surfaces of the web, ensuring accurate placement on both sides of the page after trimming.
- The system handles the most complex press configurations and accommodates a variety of tower types, such as 4-over-4, satellite units, 5-over-5, 4-over-1, and shell-cylinder applications.
- Benefit from working through the OEM's operator control station, and presetting camera functions with information from the press control network when you integrate with OEM presses.
- Quantify your high quality for customers, and monitor and improve the performance of your presses with Data Central's Performance Reporting Module™. [second sentence removed]
- To further automate and streamline your printing processes, you can complement your Register Guidance with MultiCam with the Ribbon Control with MultiCam—for ribbon and cutoff control.
- Minimize scanner cleaning with MultiCam's active OptiGuard™, which uses compressed air to keep the camera lens clean.

Register Guidance with MultiCam®

Ribbon Control with MultiCam®

ICON™ Operator Control Station

ICON™ Primary PC

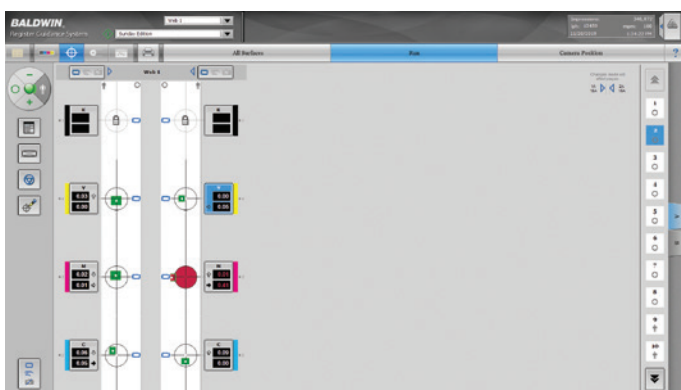Data Central® Reporting Server

Corporate Network

The ICON platform user interface is designed to be easy-to-use, requiring very little operator training, and streamlining job setup.

With the All Surfaces screen, operators have an at-a-glance overview of register performance for every surface on every tower.

The system's Run screen gives operators a view of register performance in relation to established targets, providing immediate notification of any deviation.

Optional Software Solutions

Flexible and modular, our systems and software solutions are easily integrated. You can incorporate only the features you need today without compromising your ability to add functionality in the future.
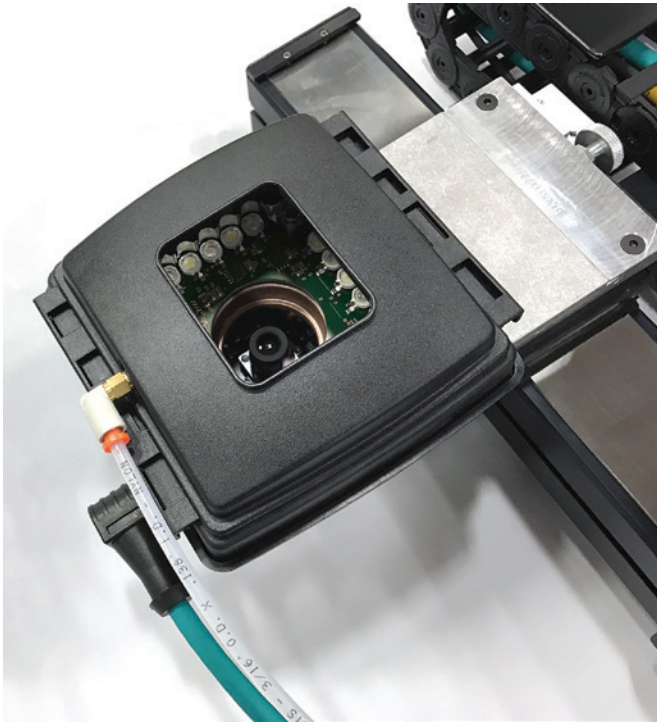
Fan-Out Control

As your web grows in size, the more issues you're likely to have with fan-out errors. Baldwin Vision Systems' fan-out control software automatically keeps your system in lateral register across the full width of the web throughout the entire run. Register control cameras mounted on both the gear and operator sides of the web capture even the tiniest shift in lateral register position and instantly make automatic corrections via an interface with the bustle devices. Inaccuracies that occur with the subjectivity of manual corrections are eradicated. Reworks are eliminated, makeready is faster and color fit is spot on.

Cocking Control

Plate cocking errors also create quality issues and siphon off your operators' time and attention. Baldwin Vision Systems' cocking control solution automatically adjusts your system's cocking motors to realign circumferential register when plate cocking changes occur. One operator can program the system for the specific application and monitor the print run from the same operator control station as the rest of your ICON Platform control systems. No tools are required. Makeready is fast and easy. And the bottom line is smoother operation and unrivaled registration accuracy.

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OptiGuard

Minimize scanner cleaning with MultiCam's active OptiGuard, which uses compressed air to keep the lens clean from ink mist and dust—keeping maintenance to a minimum. No more lamp replacements!

MultiCam identifies register marks as small as 0,36 mm (0.014 in) as well as legacy RGS, Autotron, and other manufacturers' marks at speeds up to 17,8 M/sec (3,500 ft/min).

Specifications

PERFORMANCE
Measurement resolution. 0.01mm
Maximum operating speed. . . . . 17,8 m/sec (3500 ft/min)
Maximum number of controlled units 216
Maximum number of motors 1080

SYSTEM REQUIREMENTS
Voltage . . . . .100V-240V +/-10%
Power consumption . . . . Varies, based on configuration
Frequency. . . . . 50 or 60 Hz
Phase . . . . .Single Phase

PROCESS TECHNOLOGIES
Camera sensor type . . . . .Proprietary Area Array
Registration mark type . . . . Mini Marks Ahead & Across

ENVIRONMENT
Temperature range. . . . . 0° - 55° C (32° - 131°F)
Maximum humidity . . . . 95% non-condensing

INTERFACE CAPABILITY
Supports most major press controls

OPERATOR CONTROL STATION
Type . . . . .Universal Touch Screen
Maximum number of operator control stations 12
Operating System . . . . Microsoft® Windows®
Communications means . . . . Ethernet

CERTIFICATIONS
Meets CE Standards
UL Approved

OPTIONS
Phasing Control
Error Alarms
Anti-Embossing
Fan-Out Control
Cocking Control
Motorized Bars
Multiple Encoders
OptiGuard, Active or Passive

Contact
Email: visionsolutions@baldwintech.com
www.baldwinvisionsystems.com

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