BALDWIN® | Vision Systems

Catch defects and register errors before they become visible to the human eye

The fully-automated Web Viewing System allows direct, real-time digital viewing of the moving web to deliver error-free, superior quality packaging with minimum waste at maximum speed.

Superior image magnification and clarity make it possible to see the tiniest detail, and catch defects before they become costly problems. With its motorized transport bar and zoom-to-touch software, the Web Viewing System enables precise packaging quality control. Its ability to easily move to and zoom in on specific areas of the moving press adds flexibility and depth to your operator's inspection capabilities. Fully automated and with unsurpassed image clarity, it helps you deliver error-free, superior quality packaging faster.

The Web Viewing System is appropriate for every roll-to-roll application and any packaging substrate. Its high-resolution digital camera takes snapshots of the moving web, delivering real-time, pin-sharp images to a high-resolution monitor. Operators can quickly and easily detect print quality problems such as print and die-cut registration, perforations, streaks, voids, fills, damaged plates and more.

High-performance technology
Like all Baldwin Vision Systems technology, this high-speed digital system is engineered for long-lasting precision performance and reliable system stability.

Flexible
Customizable to create the best solution for your needs, including resolution level and monitor sizes. Optional software adds functionality such as barcode verification, image streaming, automatic defect detection and other capability enhancers.
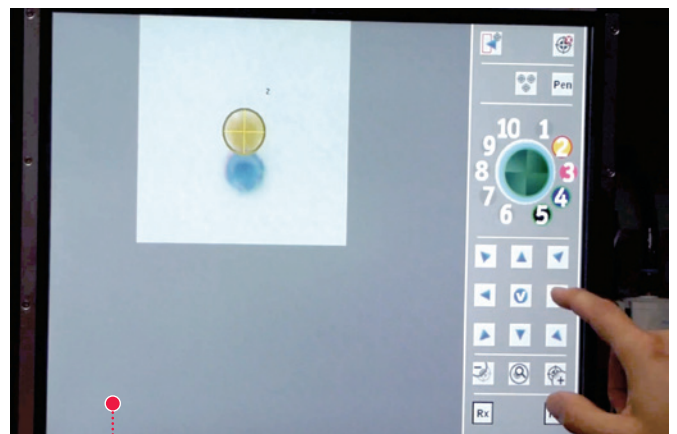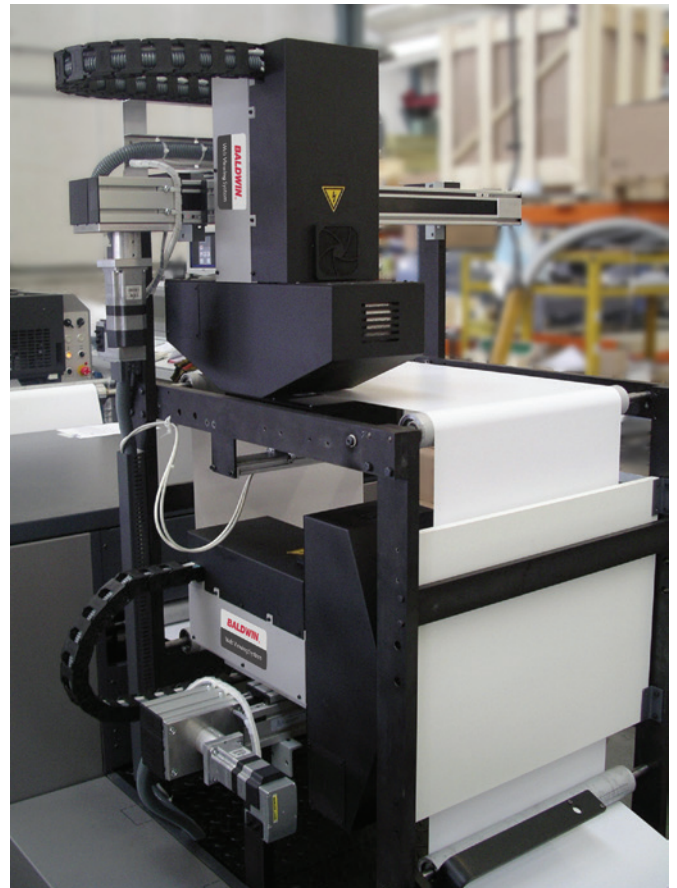
Improved productivity
High-resolution web viewing is achieved with the press running at full speed. Plus, enhanced ability to spot defects and check bar codes translates to increased press speeds and fewer errors.

Ease of use
Intuitive interface, presets, touch screen, complete printing overview and a host of other user-friendly features ensure a minimal learning curve and faster job setups.

Integrated and adaptable
Use as a stand-alone system or in conjunction with Baldwin Vision Systems Inspection for optimum error detection.

TouchRegister™
This optional feature for CI flexo presses makes it easy to set color register quickly and accurately. The system uses one operator-identified microdot per color, requiring no special mark pattern.

System features and options

	F120	F150	F230
Manual control	✓	✓	✓
Vertical control	✓	✓	✓
Traveling mode	*optional	✓	✓
Automatic mode	*optional	✓	✓
Discrete traveling	optional	optional	optional
Presets for direct positioning	*optional	✓	✓
Complete printing overview	optional	optional	optional
6x zoom, 120x90mm FOV	✓	—	—
15x zoom, 150x112mm FOV	—	✓	—
****15x zoom, 230x173mm FOV**	—	—	✓
Zoom-to-touch	optional	optional	optional
Job settings	optional	optional	optional
Variable motor speed	*optional	✓	✓
180-degree image	✓	✓	✓
Image library	✓	✓	✓
Position library with presets	*optional	✓	✓
Image streaming	optional	optional	optional
100% Inspection interface	optional	optional	optional
Bar code verification	optional	optional	optional
Varnish and UV	—	optional	optional
TouchRegister	—	optional	optional

Optional: Dedicated coldseal camera

*Optional, provided with motorized transport bar

**Optional 3-chip CCD with enhanced RGB image quality

Specifications

PERFORMANCE
Processing. . . . . Intel® Pentium® CPU
Operating system . . . . Microsoft® Windows®
Cooling . . . . Fan-less cooling for PC and power supply
Communication means . . . . Gigabit Ethernet
Backup. . . . . By PC hardware device
Maximum operating speed. . .1,000 m/min (3,280 ft/min)

SYSTEM REQUIREMENTS
Voltage . . . . 100V-240V +/-10% 650 VA, fused 10A
Frequency . . . . 50 or 60 Hz
Phase . . . . Single Phase

PROCESS TECHNOLOGIES
Cameras . . . . 1- or 3-CCD digital area scan cameras,
    1280 x 960 resolution
Lighting . . . . High performance stroboscopic flashes
    with color correction
Motorization . . . . .Schneider ICLA intelligent motors
    RS 485 communication
Positioning . . . . Schneider lateral guide and motorization

ENVIRONMENT
Temperature range. . . . . 5° C - 50° C (41° F - 122° F)
Maximum humidity . . . . 90% non-condensing

INTERFACES
RGB Logic boards. . . . . Optical separation, Heidenhein/RS
    485/422
Network communication . . . . Gigabit Ethernet

USER INTERFACES
Type . . . . TFT touch screen
Location . . . . .Panel mount or suspended on an
    extendable arm
Operating System . . . . .Microsoft® Windows®

CERTIFICATIONS
Meets CE Standards

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