



**TRUCOLOR**  
VISION SYSTEMS



2000 SERIES

IMPROVING PRODUCTIVITY THROUGH QUALITY



## FEATURES

### Camera

- > High quality, professional grade 3 CCD camera yielding 800 image lines of resolution for greater image quality and color fidelity.
- > Precision 6:1 motorized zoom lens with +7 diopter. Maximum field of view 4" x 3" (101.6mm x 76.2mm), minimum field of view 0.6" x 0.4" (15.2mm x 10.1mm).
- > 20' (6.1m) harness cable for camera connections to electronic housing (custom lengths available).
- > Operator control of lens adjustments (Iris, Focus, Zoom) made from hand-held remote.
- > Industrial camera housing for harsh pressroom environments.
- > Dual super high intensity Xenon strobe assemblies with proprietary circuitry for optimum image lighting. Integrated strobe shroud is 3 way adjustable to insure balance lighting.

### Electronic Housing

- > All metal industrial grade electronics housing. Static protected and grounded with 6' (2.8) power connector.
- > Auto ranging power supply 100-250V 50/60Hz with cooling fan.
- > Proprietary 24 bit frame grabber with a color palette of 16.7 million colors. Industrial style EPROM firmware.
- > "Plug and Play" connections for remote/second display monitor
- > Lighted on/off power switch.



*The one touch remote control and on screen display makes the 2000 Series incredibly easy to use*



*Larger field of view for wide web applications\**



#### *Software*

- > On screen display programming for advanced system operation and super fast gear count setting.
- > Two modes of operation: Run and Set-up. Set-up allows continuous strobe flash and image capture when press is idle.
- > Operator adjustable linear Scan automatically steps through the repeat.
- > Simple manual image movement up or down the repeat via hand held remote control for quickly locating repeat image.
- > Multi-Mode Split Screen for master image storage and comparison (15 configurations including tile, mosaic, horizontal & vertical). Seamless split screen ratios are operator adjustable for detailed comparison. Touch button on/off recall of previously stored standard for instant master comparison.
- > Unique crosshair feature for delimiting special areas of interest on the display monitor.
- > Variable, operator adjustable Update Rate (strobe flash frequency).

#### *Miscellaneous Standards*

- > Narrow, Mid and Wide web compatible.
- > Color Coded Icon based remote control with tactical feel touch buttons and on/off feature LED indicators for total system control.
- > 17" non-interlaced high resolution SVGA display monitor.

- > Custom length lightweight extruded aluminum manually controlled traverse rail allows camera movement across web with pressure loaded bearing for instant positional lock-down. Includes slotted mounting bracket (dual mount over 24", 609mm).
- > Zero speed magnetic proximity sensor with mounting bracket and 20' (6.1m) cable for connects to electronic housing (custom lengths available) for press synchronization.
- > Completely modular in design and fully upgradeable.

#### *Camera/Lens/Strobe Options*

- > Expanded Field of View 5" x 4" (127mm x 101.6mm) (larger shroud subject to press space).
- > Expanded Field of View 8.5" x 6.5" (215.9mm x 165.1mm) with 10:1 zoom lens (larger shroud subject to press space)\*.
- > Automatic recall of lens (zoom, iris) settings at appropriate Simple Programmable Scan position (only available with upgrade to SPS).
- > 2 camera systems for simultaneous inspection of different web locations (front & back or same surface).
- > Backlighting for front to back register inspection on transparent and semi-opaque substrates.
- > UV enhancing strobe lights for inspection of over gloss, inks containing UV brightener (larger shroud subject to press space).

#### *Camera Position Options*

- > Fully motorized across web positioning positioning controlled by hand-held remote.
- > 3 mode Automatic Constant Scan with electronic limit switches for continual inspection scan routines; across the web and then down or up the repeat, down or up the repeat and then across, or across the web width only. ACS patterns and re-calibration of varying web widths are operator configurable via the onscreen display.
- > Simple Programmable Scan for inspection up to 12 critical areas of interest in 3 recallable banks of customized scan routines (total 36 positions).

#### *Miscellaneous Options*

- > Larger or multiple display monitors.
- > Panel or rack mount components.
- > Air-cooled or explosion proof enclosures.
- > Encoders, Intrinsically Safe barriers.
- > Top of Form or Reset Sensors.
- > UHMW white backup plates for inspection of clear films.

#### **CUSTOMER REPORTED BENEFITS**

- > Reduced material waste.
- > Shorter set-up time, less downtime.
- > Increased press speeds.
- > Higher print quality, fewer customer rejects.
- > Increase in overall productivity.