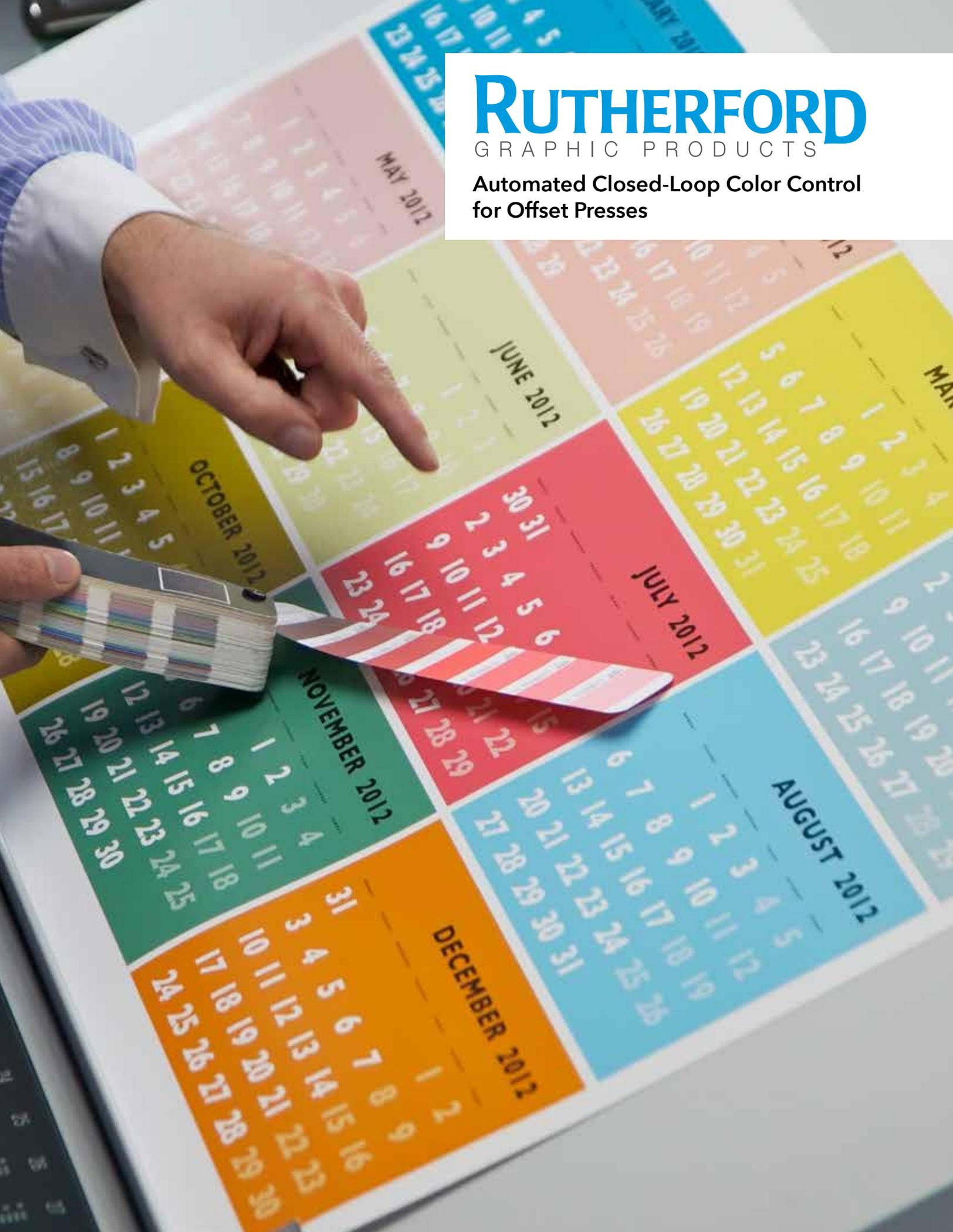


RUTHERFORD

GRAPHIC PRODUCTS

Automated Closed-Loop Color Control
for Offset Presses



AUTOMATE YOUR INK KEY SETTINGS

Before you start your press, the CIP, JDF or TIFF files of your job from prepress will provide all the information that IntelliSet needs to automatically preset the ink keys, saving time and money. A press operator simply chooses the print job and paper type on a touch-screen monitor and IntelliSet does the rest. No more manual adjustments at the press console.

Key Features of IntelliSet:

Auto-Learning by Paper Type

- System learns by keeping a preset-accuracy history file of each paper type.

Preview

- Preview presets bar-graph of computed presets overlaid on plate image. Ink-sweeps shown numerically.

Auto-Key Compensation

- Ink-key openings automatically compensate if sweeps are manually changed before presetting action is initiated.

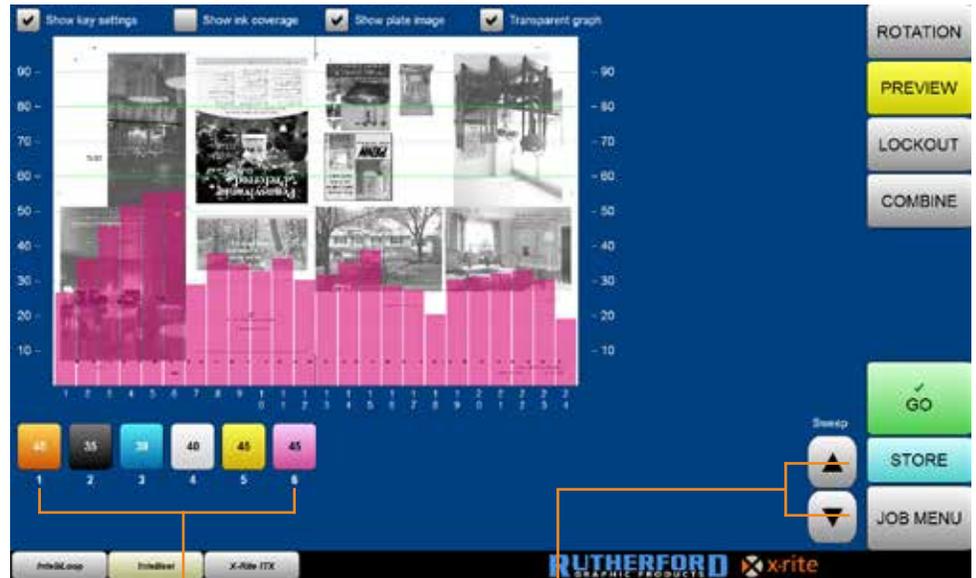
Preset Accuracy Reports

- Preset accuracy viewed remotely using a web browser, by job or historically by press.

Adapts to any prepress job-naming convention

- Job numbers displayed at the press match those shown on operators' job tickets.

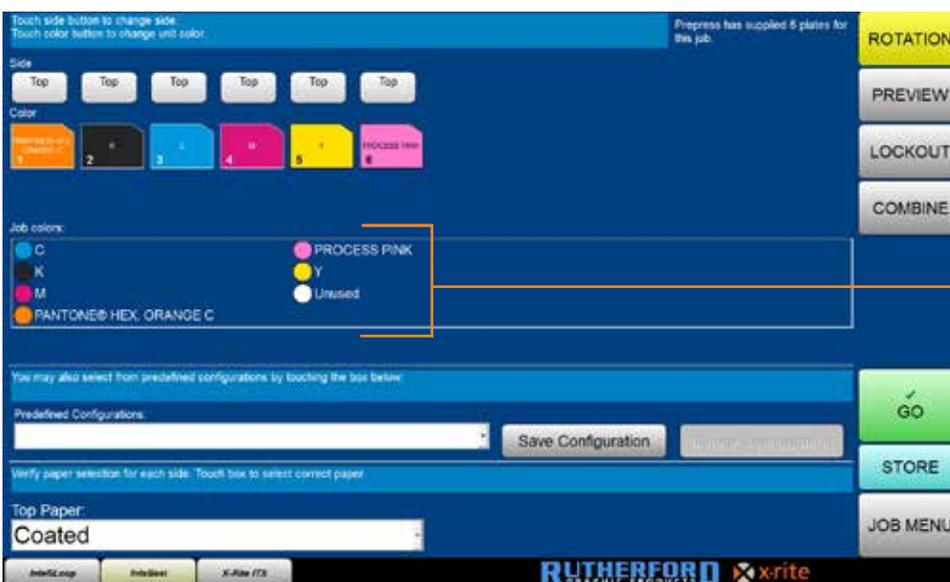
Preview of Calculated Presets Overlaid on Plate Image



Calculated Ink-Sweep Values

Prior to selecting GO for preset action, the ink sweep can be adjusted; the ink keys will automatically compensate in accordance with their auto-learned preset curves.

Preview of Touch adjustable Color Rotation



Job colors are shown by name in its respective hue. Color rotation is set by touch.

PUT YOUR PRESS ON CRUISE CONTROL

Once you start a job, your press operator scans the color bar of a press sheet to get spectral and density data and IntelliLoop does all the rest. Your press operator will not have to manually adjust ink keys. During the press run, periodic scans of the color bar feed color data in IntelliLoop. The software will let the press operator know if there are any auto-adjustments needed to keep color consistent. IntelliLoop gets you to color fast, every time.

IntelliLoop Shows Actual vs. Intended Key Openings immediately after a scan



Actual key openings and amount key will move if YES is selected for closed loop action.

Vertical bar shows actual key opening. White horizontal line shows new key opening if YES is selected for closed-loop action.

Key Features of IntelliLoop:

Automatic After-Scan Read

- Reads key openings and sweeps immediately following scans—assures effective key moves for fast attainment of color standards.

Rollback

- Key-opening and sweep settings can be rolled back to the settings that resulted from any previous scan.

Key Opening Bar-Graph

- Displays actual ink-key openings in percentages. Sweep settings are displayed numerically.

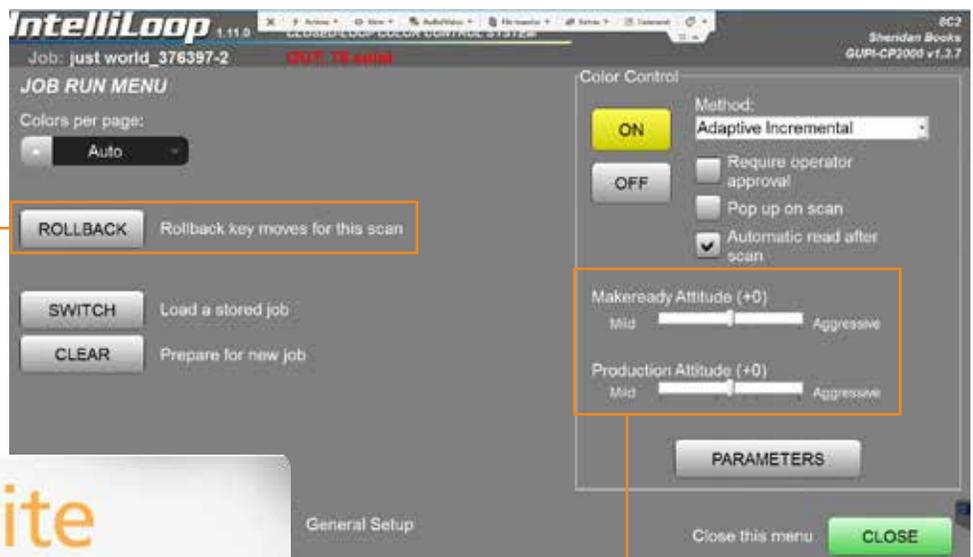
Preview Key Moves

- After a scan, the system displays what the new key openings will be before the operator selects "Yes" for key moves.

Key Move Aggressiveness

- Dragging an on-screen slider changes the aggressiveness of key moves in getting to color.

Reset the press's ink-key openings to those associated with any previous scan.



Key move aggressiveness modes. Mode selection is automatic.



IntelliLoop works in conjunction with X-rite's IntelliTrax.

THE RUTHERFORD SYSTEM DIFFERENCE

Features/Capabilities	IntelliSet/IntelliLoop	EasySet/EasyLoop	ExactSet/Loop
Separate system server computer	Yes	No	No
CIP files for all presses sent to a single hotfolder in the system server computer, typically located in prepress department	Yes	No—Prepress drops files into separate hotfolders, located at each press	No—Prepress drops files into separate hotfolders, located at each press
Presetting system can use CIP3, JDF, or Tiff files	Yes	No	No—CIP3 files only
Learning feature in presetting system keeps a separate history file for each paper type; maintains a unique presetting curve for every key on the press	Yes	Yes	Yes
Preset accuracy reports viewed remotely with a web browser	Yes	No	No
Rollback feature—Can roll back to the ink-key openings associated with any previous scan	Yes	No—Only the key openings from the most recent scan are shown.	No—Only the key openings from the most recent scan are shown.
Density targets can be assigned to individual or groupings of keys on any color while a job is being run. Resets to defaults when new job is set up	Yes	No—Density target changes apply to all keys across the fountain selected	No—Density target changes apply to all keys across the fountain selected
Density-range bar-graph screen—shows range of densities across each fountain for each scan. (Good for system performance review)	Yes	No	No
Jobs can be recalled to review system performance	Yes	No	No
New: Optional RG-MultiView display on large format monitor. All system apps shown simultaneously and in real time	Yes	No	No
New: Optional RG-Proof—for viewing an HD proof at the system touchscreen for verification and content proofing	Yes	No	No
New: Optional RG-Dashboard—Displays real-time trending of Density, Delta-E, X-Bar and Range charts for multiple presses simultaneously on remote large screen; wireless connection	Yes	No	No
New: Optional RG-Light Stack—Colors light up to show various statuses: when it's time to scan and pass-fail threshold alerts	Yes	No	No
Reads all key openings and sweeps immediately after a scan—manual moves at press console do not affect system key-move accuracy	Automatic or manual command	Automatic or manual command	Manual command only
Displays actual key openings and sweeps in percentages	Yes	Yes	Yes
Operator can preview what the new key openings will be after a scan; can accept or reject such moves	Yes	Yes	Yes
Adjustable color correction strengths for makeready and production modes; selection is automatic	Yes	Yes	No
Preview Presets—Transparent bar graph overlaid on plate image. Sweep values are also shown	Yes	Yes	Yes

Rutherford Graphic Products

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