

Achieving Color Quality and Consistency with eXact Scan and Rutherford Closed-Loop Solution – Imprimerie Bailly – France



"X-RITE EXACT HAS OPENED UP NEW POSSIBILITIES FOR US. BY IMPROVING COLOR ACCURACY AND PRODUCTION EFFICIENCY, EXACT ALLOWS US TO OFFER BETTER VALUE TO OUR CUSTOMERS." ARNAUD PIAZZI, OFFSET PRESS OPERATOR, IMPRIMERIE BAILLY EXPLAINS.

The Situation

Based in the greater Paris area, local printing company Imprimerie Bailly was looking for a way to streamline its offset printing workflow. The aim was to improve print quality and consistency, as well as reduce makeready times and waste for a more efficient printing process.

"WE NOW HAVE AN ACCURATE AND RELIABLE INKING ROUTINE THAT ALLOWS US TO PRODUCE HIGH QUALITY PRINT JOBS AND ENABLES US TO MATCH THE PROOF BETTER AND FASTER," PIAZZI EXPLAINS.

The Solution

Imprimerie Bailly implemented the X-Rite eXact Scan Standard along with ExactLoop and EasySet from Rutherford Graphic Products, a closed-loop color control system that makes automatic adjustments to the ink keys for fast makeready and consistent color throughout the print run. As Piazza explains, "The workflow is quite straightforward. It uses a file generated by our CTP system as the reference, then the EasySet software parses the file and extracts ink values for the press' inking system. Once the initial job setup is completed, our press operators scan the color control bars on early press sheets using eXact Scan. Thanks to its rolling guide, all 23 values on the color bar are scanned in a single pass. From these values, the EasySet software calculates new target ink densities that are then sent to the console of the printing press through the ExactLoop interface, automatically adjusting the ink keys."

Results

The eXact-based solution automates Imprimerie Bailly's inking process. After eight months in production using eXact Scan, ExactLoop and EasySet, the company reports it has cut its makeready time in half and improved color consistency. It has also cut its paper waste by 50% and has seen substantial savings in fluids and other consumables due to improved efficiencies.

For more information, please visit www.xrite.com

Production Efficiency

- Imprimerie Bailly has seen its average makeready time of 30 minutes drop to 15 minutes.
- They also cut their paper waste by 50%.



Color Control Across Supply Chain

- This Bluetooth-enabled eXact Scan spectrophotometer allows the press operator to quickly and accurately scan the color control bar in a single pass.
- The system includes a database of L*a*b values for all Pantone references, and supports all measurement modes according to ISO 13655:2009 (M0, M1, M2, and M3).

Closed Loop System for Color Control - Rutherford Graphic Products

- ExactLoop is a closed loop color control system that supports X-Rite eXact Scan for small- to medium-format 4- color offset presses.
- EasySet, a Windows based software tool, performs all required color calculations to automatically reset ink keys.