

Brains & Beauty: The Automated Intelligence of Xerox® Baltoro™ HF

In the hands of a virtuoso, an old, beaten-up violin can sing. But pass him a Stradivarius, and he'll give you a glimpse of the sublime. The same dynamic exists in print. Only the instrument is the Xerox® Baltoro High Fusion Inkjet Press. And the virtuoso is Xerox® Automated Intelligence (AI).



Designed to move inkjet forward, Baltoro is able to achieve remarkable results with a combination of High Fusion print engines and ink, plus Xerox-designed and developed W-Series print heads. But its signature image quality — perfect harmony between media and ink — is made possible by the mastery of Xerox® AI.

Xerox® AI is a set of evergreen, constantly evolving Advanced Image Controls. Informed by integrated, Xerox-exclusive Full Width Array technology, they help enhance image quality by making automatic, real-time adjustments to each page. AI plays an essential role in maximizing image quality and media performance in the most demanding production environments.

INSTANT MISSING JET CORRECTION

Missing Jet Detection and Compensation on Baltoro is the most accurate in its class. New RGB sensor technology enables fast, precise and frequent scanning — one diagnostic page every 250 impressions. If the integrated Full Width Array detects a discrepancy that indicates a missing jet, surrounding jets are automatically adjusted to compensate, while flush lines work to mitigate any clogs.

SMALLER DROPS, BIGGER OPPORTUNITY

Enjoy ultra-smooth gradients and superfine lines with Multi-Level Halftoning Emulation. Combined with an incredibly small 4.5 pL drop size and 1200x1200 dpi resolution, this feature allows you to be more strategic and precise about drop placement, while effectively emulating multiple drop sizes. So you have the flexibility to create custom drop profiles that either save on ink or maximize vibrancy.

AUTOMATIC UNIFORMITY AND DENSITY

Say goodbye to manual color adjustment. Uniformity and Density Optimization provides one streamlined correction for discrepancies between jets — regardless of paper type or drop selection.

EDGING OUT THE COMPETITION

Edge Enhancement manipulates the drop pattern alignment to deliver remarkably sharp and smooth edges.

BRIGHTENING WHITE SPACE

Clear Pixel Plus with Deterministic Technology ensures the sneeze pattern from unused jets is intelligently randomized. With a smaller drop size and no chance of overlap from adjacent drops, sneeze drops on white space are virtually invisible but perform the vital job of keeping jet channels clear and productive.

PERFECT ALIGNMENT

Optimized Color Registration leverages strong under-color removal on rich black edges to deliver incredible color registration.

METICULOUSLY BALANCED INK

Finally, ink limits can work with your design instead of against it. When the ink level of a design exceeds your preset limits, Object-Level Ink Limiting dynamically recalculates those levels to enhance sharpness, smoothness, shade, hue and color.

THE FUTURE IS AI

Signature image quality and optimum performance on the most versatile range of media. That's brains and beauty. And that's the promise of Xerox® AI.