XEROX® VERSANT® 3100 PRESS

SPECIFICATIONS AND FEEDING/FINISHING OPTIONS

The Versant® family's unique combination of competition-busting image quality, media latitude and workflow automation is brought to its highest, most powerful potential in the Versant 3100.

ATTRACT NEW BUSINESS.

You'll gain an instant quality advantage and ability to create high-value applications. Attract new business, increase margins and build a reputation for excellence with stunning, accurate output.

IMPROVE UPTIME AND INLINE CAPABILITIES.

Reduce waste and maximise uptime with fully automated colour calibration and image-to-media alignment, as well as a wide range of inline finishing options.

PRINT AT TOP SPEEDS ON A WIDE RANGE OF MEDIA.

Print at a top speed of 100 ppm on stock weights from 52–350 gsm, and maximise your job types with the ability to run envelopes, 26" (660 mm) banners, polyester/synthetic, textured, coloured, custom media and mixed-stock printing.

EASY, AUTOMATED AND PRECISE

You'll also get our automated Production Accurate Registration (PAR) for precise registration from first print to the end of the run, with automatic sheet clearing and three automated production modes to balance production needs without complicated setup.

STUNNING IMAGE QUALITY

The Versant 3100 achieves a new standard of image quality with Ultra HD Resolution Technology, delivering four times more pixels than other presses while still printing at blazing fast speeds. It's a winning combination of technologies, including our EA Toner, 2400 x 2400 dpi with 10-bit RIP and an advanced Compact Belt Fuser that provides just the right amount of consistent heat and pressure for a given stock. Every job is rendered with jaw-dropping detail, crispness and clarity from first print to last.

AUTOMATED COLOUR CALIBRATION, IMAGE QUALITY CONTROLS AND REGISTRATION

Colour calibration is no longer a time-consuming, labour-intensive chore with the Versant 3100's Full Width Array (FWA) inline scanning assembly and Automated Colour Quality Suite (ACQS) software. Working together, they safeguard colour quality and consistency throughout the run, ensuring every page of output matches the desired target.

The Full Width Array also adjusts Image Transfer and Density Uniformity, fine-tuning and preventing issues before they occur to deliver optimised output. The Image-to-Media Alignment saves time and eliminates costly waste caused by registration errors or image skew – for perfect front-to-back registration regardless of media type or sheet size.

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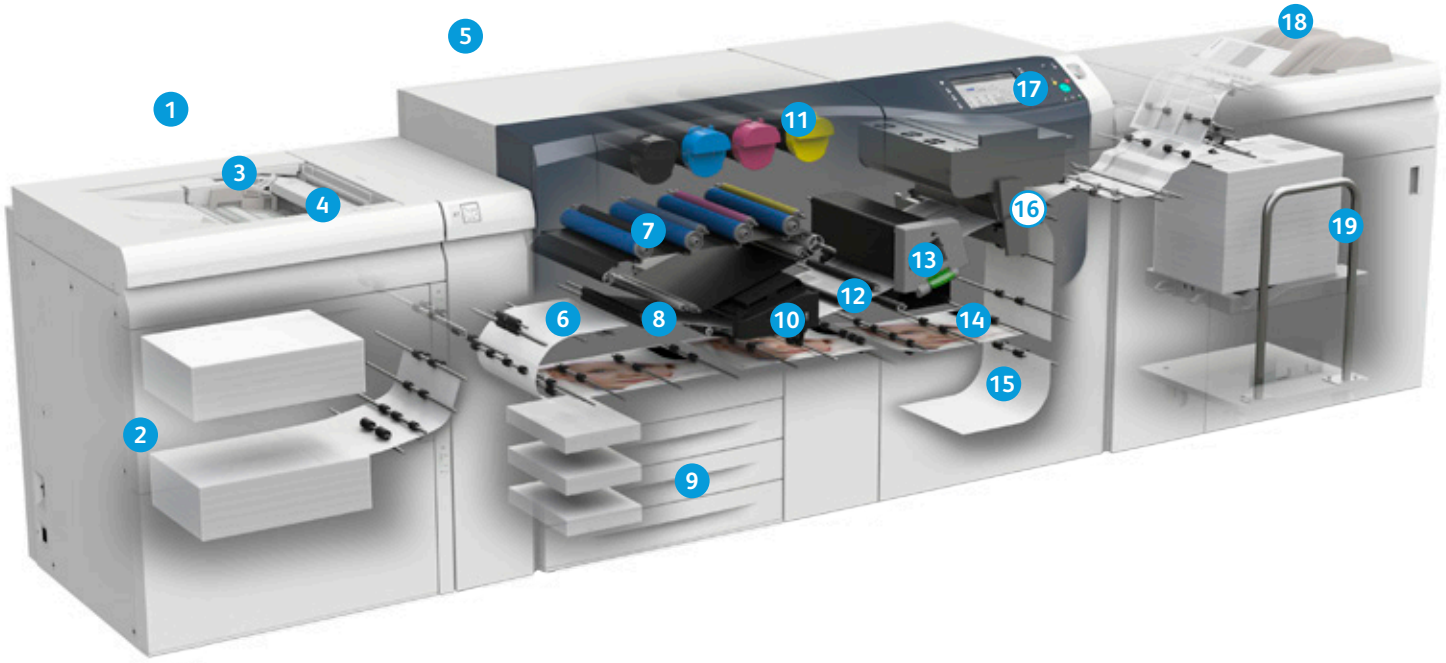
The Xerox® Versant® 3100 Press: Features That Drive Results



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Ultra HD Resolution Technology – The combination of rendering resolution and imaging resolution with expanded halftone screens yields a smoother, crisper resolution of objects and improved graphic fills and sweeps.

2

Advanced Oversized High Capacity Feeder – Total paper capacity of 4,000 sheets 13 x 19.21" (330.2 x 488 mm) in two trays, with integrated technology to reduce skew, improve paper handling and prevent misfeeds. A Tray Inserter extends minimum size to 3.86 x 5.83" (98 x 148 mm) for postcards and envelopes.

3

Bypass Tray – A convenient and accessible pick point for feeding standard and specialty media like envelopes or extra-long sheets (XLS).

4

Extra-Long Sheet (XLS) Capability – Print banners, dust jackets, calendars and other applications up to 26" (660 mm) long.

5

Stock Library Manager (SLM) – Powerful tool for fast media management helps optimise even challenging stocks like textured or heavyweights. With just a few clicks, create reusable profiles to adjust print engine parameters for enhanced quality.

6

Production Accurate Registration (PAR) – Provides consistent front-to-back registration automatically for perfect registration from job start to finish.

7

Bias Charge Rolls and Auto Cleaning Technology – Provides uniform electrical charging of key xerographic components, ensuring smoother halftones and reduced downtime. Both Bias Charge Rolls and Drum Cartridges are combined as a single, customer replaceable unit (CRU) for easier, faster maintenance.

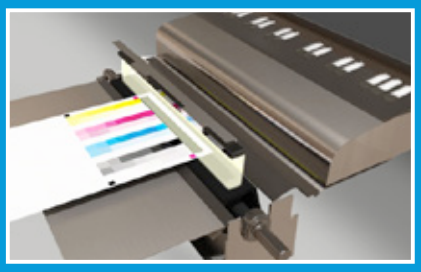
8

Intermediate Belt Transfer – An automated and continuous process applying bias (voltage) and sensors to transfer images to registered paper with higher colour quality and consistency with no operator involvement.

9

Three Standard Paper Trays – Each holds 550 sheets of coated or uncoated stocks in sizes ranging from 5.5 x 7.17" (139.7 x 182 mm) up to 13 x 19.21" (330.2 x 488 mm) and weights up to 256 gsm.

With Versant®, perfect output, less waste and more productivity are automatic.



Full Width Array (FWA)

16

FULL WIDTH ARRAY (FWA)

Automates and eliminates time-consuming operator-initiated tasks resulting in greater quality and press productivity.

Automated image quality adjustments, calibration and profiling on the Versant 3100 are enabled and enhanced by this unique inline scanning assembly.

The FWA spans the entire width of the paper path just behind the print engine decurler. With just a few simple clicks, operators can accomplish tasks that, on other presses, may require a service technician or time- and productivity-consuming manual processes to optimise press quality.

Automated Image-to-Media ensures perfect image alignment and front-to-back registration regardless of sheet size or media type – saving time and eliminating costly waste due to mis-registration or image skew.

Automated Image Transfer optimises toner coverage for unsurpassed quality printing on every stock, whether smooth, textured or unique.

Automated Density Uniformity delivers consistent and uniform toner coverage across the sheet, preventing washed-out areas before they occur – safeguarding image integrity across the page.

In addition, the FWA is used to automatically calibrate your print server and create destination profiles without having to manually scan targets.

By removing the need for operator-intensive and complex processes, the FWA reduces errors and time spent on calibration while ensuring stable, accurate and repeatable colour. Because the FWA process is pain-free and automatic, operators are more likely to complete calibration and profiling.

10

Advanced Fusing Technology – A newly designed flat fuser pad in the Compact Belt Fuser results in a larger surface contact area, reducing paper stress and deformation. The fuser uses two heat rolls to replenish the heat lost through the fusing process more quickly and efficiently for consistent image quality at high speeds. Although designed for long life, the entire assembly is customer replaceable, eliminating downtime and lost productivity.

11

Load-While-Run Dry Ink – Specially engineered Emulsion Aggregation (EA) Low Melt Dry Ink provides a smooth, offset-like finish and outstanding colour image quality with smaller, more uniform particles and less energy.

12

Smart Decurler Module – Delivers consistent, error-free finishing by automatically removing up or down curl using paper weight and ambient temperature/humidity data.

13

Compact Cooling Module – Enables maximum productivity by cooling stocks at rated speed so applications can be finished immediately.

14

Automated Sheet Clearing – Provides simple, efficient and faster jam recovery. For increased uptime and fewer job interruptions.

15

Paper Path – Features include stainless steel inversion and duplex paths, supporting benchmark image quality and reliability at top speeds.

16

Full Width Array – Assembly contains an integrated RGB scanner, eliminating time-consuming and error-prone setup tasks.

17

Integrated User Interface – Provides access to press controls and statuses. Also provides access to Full Width Array IOT Control functions.

18

Output Tray – Provides quick and easy access for short runs and proofs.

19

High Capacity Stacker – Provides production-stacking capabilities to a removable trolley, with the ability to direct sample prints to the top tray for inspection without disturbing stack tray content and integrity, maximising press time.

XEROX® VERSANT® 3100 PRESS

PRODUCTIVITY/PRINT SPEEDS

- Average Monthly Print Volume: Up to 250,000
- Duty Cycle: 1.2 million
- 100 ppm (8.5 x 11"/A4), 52–300 gsm
- 80 ppm (8.5 x 11"/A4), 301–350 gsm
- 52 ppm (11 x 17"/A3), 52–300 gsm
- 44 ppm (11 x 17"/A3), 301–350 gsm

IMAGE QUALITY

- 2400 x 2400 dpi VCSEL ROS for sharpness, detailed shadows and bright highlights
- 1200 x 1200 x 10 RIP rendering without down sampling for Ultra HD Performance
- Halftone Screens for smoother, crisper resolution and improved gradients
  - 150, 175, 200, 300, 600 Clustered Dot
  - 150, 200 Rotated Line Screen
  - FM Stochastic Screen

TECHNOLOGY

- Full Width Array (FWA) automatic press calibration and stock profiling eliminates time-consuming operator-initiated tasks with greater productivity and quality.
- FWA provides perfect front-to-back alignment adjustments, optimises tone coverage for smooth to textured stocks and delivers consistent toner coverage, safeguarding image integrity across the page.
- Ultra HD Resolution Technology with four times more pixels than competitive presses
- Production Accurate Registration (PAR) for consistent front-to-back registration
- Stock Library Manager (SLM), with a single click, assigns and optimises media for fast media management
- Automated Sheet Clearing for less downtime and more productivity
- Closed Loop Process Controls make quality adjustments in real time
- Compact Belt Fuser for higher speeds, image consistency, runs heavyweight and mixed media
- EA Low Melt Dry Ink toner with small, uniform particles for fine lines and overall image quality
- Bias Charge Rolls with auto cleaning technology improve press productivity
- Smart Decurler calculates coverage, paper and humidity for flattest possible output
- Modular feeding and finishing options for configuration versatility
- Xerox® SMart Kit® customer replaceable items
- Xerox® Connect Advantage Services

PAPER

Format/Sizes

- Maximum size: 13 x 26" (330.2 x 660.4 mm)
- Maximum standard sheet: 13 x 19.21" (330.2 x 488 mm)
- Minimum size: 3.86 x 5.75" (98 x 146 mm)

Flexibility/Weights

- Coated, uncoated, envelopes, tabs, polyester/synthetic, textured, coloured, banner, custom media and mixed-stock printing
- 52–350 gsm uncoated and coated
- 52–256 gsm from Trays 1–3
- 52–350 gsm from Bypass
- 52–350 gsm from Advanced OHCF

Capacity/Handling

- 5,900 sheets standard (80 gsm)
  - Trays 1–3: 550 sheets each, maximum size 13 x 19.21" (330.2 x 488 mm), minimum size 5.5 x 7.17" (139.7 x 182 mm)
  - Bypass: 250 sheets, maximum size 13 x 26" (330.2 x 660.4 mm), minimum size 3.86 x 5.75" (98 x 146 mm)
  - Adv OHCF, 2 trays, 4,000 sheets, maximum size 13 x 19.21" (330.2 x 488 mm), minimum size 3.86 x 5.83" (98 x 148 mm)
- 9,900 sheets standard (80 gsm)
  - Trays 1–3: 1,650 sheets
  - Bypass: 250 sheets
  - Optional Dual Adv OHCF, 4 trays, 8,000 sheets
- Registration on standard sheets:
  - Internal Trays, and standard sized stocks greater than 300 gsm, +/- 1.0 mm
  - Adv OHCF, all standard sized stocks 52–300 gsm, +/- 0.5 mm
- Auto-Tray Switching/Reload-While-Run Capability
- Simplex 350 gsm (4/0 impressions)
- Auto-Duplex 350 gsm (4/4 impressions)

VARIABLE DATA OPTIONS

- XMPie®, Xerox® FreeFlow® Variable Information Suite and other industry partners

PRINT SERVER OPTIONS

- Xerox® EX 3100 Print Server, Powered by Fiery®
- Xerox® EX-P 3100 Print Server, Powered by Fiery
- Xerox® FreeFlow Print Server

ELECTRICAL

- Base Configuration: 208–240 VAC, 50/60 Hz, 30A (sole use)/single phase/NEMA 14–30
- Additional electrical required for print server, feeding/finishing devices
  - 115 VAC 15 Amp for 60 Hz or 220 VAC 10 Amp for 50 Hz (Western Hemisphere)
  - 220–240 Volts, 10 Amp, 50 Hz (Europe)

DIMENSIONS/WEIGHT OF BASE PRESS

- Height: 44" (1,110 mm)
- Width: 105" (2,670 mm)
- Depth: 32" (807 mm)
- Weight: 1,631 lb (740 kg)

Note: Heavier weight and larger stocks can reduce specifications. Consult the Customer Expectation and Installation Guide (CEIG) for full details.

For more information, go to **www.xerox.com/versant3100.**