The ultimate versatility in continuous feed inkjet printing.

The Impika Reference is a supremely scalable system, providing valuable options to manage speed, inks and image quality so you can keep costs low without sacrificing performance.

Configurable to help you meet today's needs, as well as tomorrow's.

The Impika Reference takes the hallmark of the entire Impika line—configurability—to a whole new level. Start by choosing a configuration ranging from single engine 1-up duplex to dual engine 2-up duplex based on your expected productivity requirement.

You can further modify that base system to meet new needs over time. Adding a print head to the base four colour offering enables MICR and opens up even more application potential. Adjustments for speed, resolution and drop size provide further control and flexibility to your operation.

This outstanding versatility allows you to enter a broad range of markets—including direct mail, TransPromo, or transactional—and tailor your services to meet customer requirements.

Key benefits of the Impika Reference:

Modular design—Engineered for scalability, with options for number of print heads, colours, and speed in either a single or two tower configuration.

Proven technology—Based on reliable, high performance drop-on-demand piezoelectric inkjet technology.

Low printing costs—A quick ROI is achieved through:

- Use of low-cost papers with new generation HD (high density) ink.
- Longer HD ink open times before capping minimises waste.
- Adjustable print quality with up to 3 print resolutions and 5 drop volumes.
- Variable speed options with guaranteed image quality for on-press inspection.

Seamless integration in your workflow—Three controller options provide even more flexibility in how you integrate the Impika Reference into your environment.

The Xerox® Impika® Controller is a PC-based RIP and spool solution that supports the PDF and PostScript workflows typically found in direct mail or book production workflows.

The Xerox® Impika® IPDS Controller supports IPDS workflows for high speed, fully variable data direct mail or transaction jobs and can easily scale up as volume or complexity grows.

And the Xerox® FreeFlow® Print Server provides the ultimate in robust processing power for customers running Impika Reference 24 configurations. The FreeFlow Print Server supports both PDF and IPDS printing along with native JDF/JMF support.

Impika® Reference

Technology	
Inkjet	Impika drop-on-demand piezoelectric
Drop volumes	3, 6, 9, 11, 13 pL
Print resolutions	Model 100 includes: 600 x 600 and 1200 x 600 (360 x 600 option) Model 125 includes: 600 x 600 and 360 x 600 (1200 x 600 option)
Printing speed	Up to 127 mpm (416 fpm)
Recommended duty cycle	2-35 millions letter/A4 impressions per month (in CMYK, 600 x 600 dpi resolution)
Printing width	474 mm (18.67")
Printing process	Single pass (mono or colour)
Head servicing	Automated head cleaning (purging, wiping, capping)
Inks	
Ink types available	Water based dye or HD (high density) pigment, MICR inks
Colour configurations available	From 1 to 4 colours, field upgradable
Papers	
Paper characteristics	Uncoated, inkjet treated matte and silk papers, other papers (glossy inkjet coated) may be suitable subject to testing (see Impika tested media list)
Paper weight	From 60 to 160 gsm
Paper width	Up to 510 mm (20")
Dryer	
Dryer characteristics	Infra Red (IR), from 3x8 kW to 5x8 kW per tower
Print tower	
Dimensions	2680 x 2680 x 2037 mm (105.5"L x 105.5"D x 80.2"H)
Weight	3000 kg per print tower
Software interface solutions	
Graphical user interface	Touch screen with user-friendly menu
Controller	Xerox® Impika® Controller, Xerox® Impika® IPDS Controller or Xerox® FreeFlow® Print Server (TED 24 only)
Printer data format	AFP/IPDS, PDF, PS, JPEG, TIFF, and BMP
Connectivity	Ethernet 1 GB
Operating environment	
Nominal operating conditions	21-29°C (70-84°F) at 40-60% RH
Optimal printing quality	23-27°C (73-81°F) at 50% RH
Exhaust air	1000 m3/h
Operating noise	Less than 80 dB for a twin model with unwinder and rewinder
Heat output	68,000 BTU (for max dryer assemblies at maximum speed)
Power supply	100-240 V, 32 A + 400-415 V, 80 A (for max dryer assemblies)
Certifications	CE, RoHS, UL/CSA, TÜV
Options (contact us for more available options)	
Finishing	Rewind Unit, Puncher, Cutter, Folder, Stacker or any compatible finishing device (may require testing)
Others	Additional resolution mode or speed, additional printhead, linehole counter

Models S: Single / T: Twin	**Large Impression** max 474 mm (18.67")	**Configuration**	**Resolution** (dpi)	**Speed Impression** (mpm)	 (fpm)	**Productivity** IPM (LTR)	**Number of Colours**
75 SES 24 **125 SES 24**	2-up simplex		360 x 600 600 x 600 1200 x 600	127 100 50	416 368 164	906 715 357	4/0
75 SED 24 **125 SED 24**	1-up duplex or 2-up simplex		360 x 600 600 x 600 1200 x 600	127 100 50	416 328 164	906 715 357	4/4 or 4/0
75 TED 24 **125 TED 24**	2-up duplex		360 x 600 600 x 600 1200 x 600	127 100 50	416 328 164	1812 1430 715	4/4
75 TED 35 **125 TED 35**	2-up duplex		360 x 600 600 x 600 1200 x 600	127 100 50	416 328 164	1812 1430 715	4+4 +MICR

Visit www.xerox.com for more information.