Achieve new levels of speed and quality on continuous feed inkjet.

The Impika Evolution offers unique scalability for high volume production inkjet printing. Up to 254 mpm (833 fpm) delivers ground breaking transaction application productivity while VHQ mode offers stunning image quality at high speeds.

Versatile speed and quality options provide a sustainable investment.

The Impika Evolution provides flexibility that allows you to optimise production to fit your requirements.

Demanding transaction environments with tight SLAs may choose to maximise the print speed of the Impika Evolution. This lets you deliver 100% variable data full colour jobs—and customer peace of mind—at an astounding 254 mpm (833 fpm).

Environments focused on the production of direct marketing and customer loyalty pieces may choose to engage the Impika Evolution's VHQ (Very High Quality) mode, which uses a combination of two drop sizes to optimise visual resolution, smoothness and detail for impressive results.

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 Evolution:

Powerful speed and quality—A range of speed, resolution, and drop size settings, including VHQ mode, provide the utmost control in tailoring your image quality with your productivity needs.

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 Evolution into your environment.

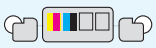
The Xerox® Impika® Controller is a PC-based RIP and spool solution that supports the PDF and PostScript workflows typically found in direct mail or book production workflows.

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 Evolution 24 configurations. The FreeFlow Print Server supports both PDF and IPDS printing along with native JDF/JMF support.

Impika® Evolution

Technology	
Inkjet	Impika drop-on-demand piezoelectric
Drop volumes	3, 6, 9, 11, 13 pL
Print resolutions	Model 100–150 include: 600 x 600 and 1200 x 600 (360 x 600 option) Model 125–250 include: 600 x 600 and 360 x 600 (1200 x 600 option) Model 44 only: 600 x 600, 2 bit VHQ mode
Printing speed	Up to 254 mpm (833 fpm)
Recommended duty cycle	4-70 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 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 6x8 kW per tower
Print tower	
Dimensions	3500 x 2680 x 2037 mm (137.8"L x 105.5"D x 80.2"H)
Weight	3500 kg per print tower
Software/interface solutions	
Graphic 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	Configuration	Resolution (dpi)	Speed Impression (mpm)	 (fpm)	Productivity IPM (LTR)	Number of Colours
100 SES 24 **125 SES 24**		360 x 600 600 x 600 1200 x 600	127 100 50	416 328 164	906 715 357	4/0
100 TED 24 **125 TED 24**		360 x 600 600 x 600 1200 x 600	127 100 50	416 328 164	1812 1430 715	4/4
200 TED 44 **250 TED 44**		360 x 600 600 x 600 1200 x 600 VHQ	254 200 100 100	833 656 328 328	3630 2860 1430 1430	4/4
100 TED 35 **125 TED 35**		360 x 600 600 x 600 1200 x 600 VHQ	127/254 100/200 50/100 -/100	416/833 328/656 164/328 -/328	1812/3630 1430/2860 715/1430 -/1430	4/4 and 1/1

Visit www.xerox.com for more information.