

Impremia IS 29

29-inch sheetfed UV inkjet digital printing system

Specifications



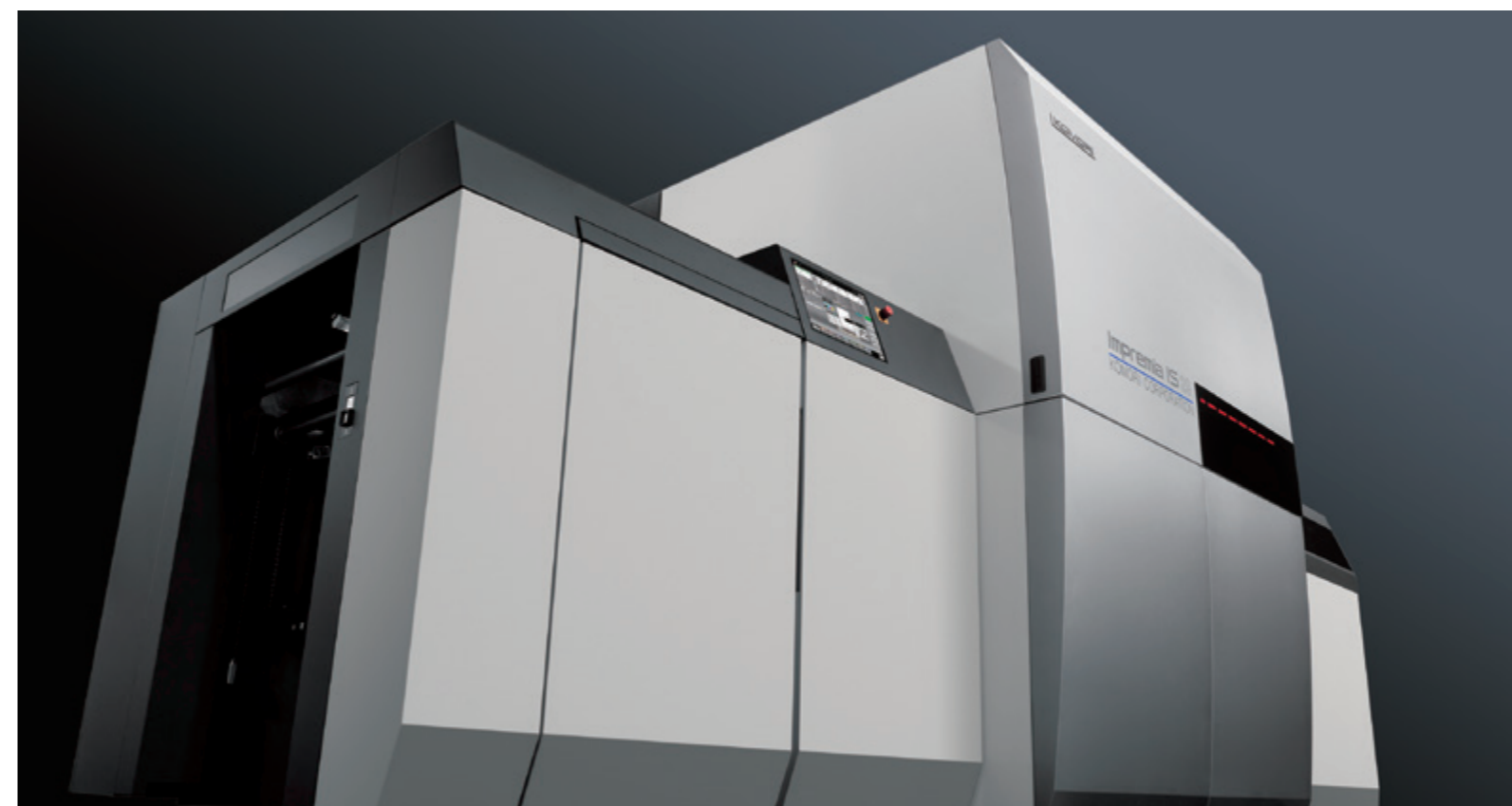
Specifications

Type	29" Sheetfed UV inkjet digital printing system
Resolution	1,200 × 1,200 dpi
Ink	UV ink
Number of colors	4
Printing speeds	3,000 sph (single-sided) 1,500 sph (double-sided)
Max. sheet size	585 × 750 mm
Max. printing area	575 × 735 mm (single-sided) 575 × 730 mm (double-sided)
Sheet thickness	0.06–0.6 mm (single-sided) 0.06–0.45 mm (double-sided)
Dimensions	W 2,967 × L 5,368 × H 2,335 mm
Machine weight	8,100 kg

The specifications noted above are subject to change without notice
Machine dimensions and weight exclude peripheral equipments

Impremia IS 29

KOMORI CORPORATION



29-inch sheetfed UV inkjet digital printing system

KOMORI CORPORATION

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KOMORI
Kando: Beyond Expectations

Impremia IS29

29-inch sheetfed UV inkjet digital printing system

Komori has for years advocated the Komori OnDemand concept — the fusion of offset and digital printing to accommodate the evolving print environment. As part of this initiative, Komori has developed a high-end digital printing system based on the technology and know-how gained over its decades in manufacturing offset and security printing presses. The Impremia IS29 is the professional production machine built from the ground up for today's printers.

* Impremia is the brand name of Komori digital printing systems.

Quality, Reliability and Stability Advanced Digital Printing System

Impremia IS29 Concept

In developing a digital printing system for printers' diverse needs and emerging market requirements, Komori focused on three important features.

- Ability to print with ordinary printing paper
- Ability to produce high print quality with the feeling of volume that is associated with offset printing
- Ability to perform postpress processes immediately after printing (single-sided and double-sided)

Concept



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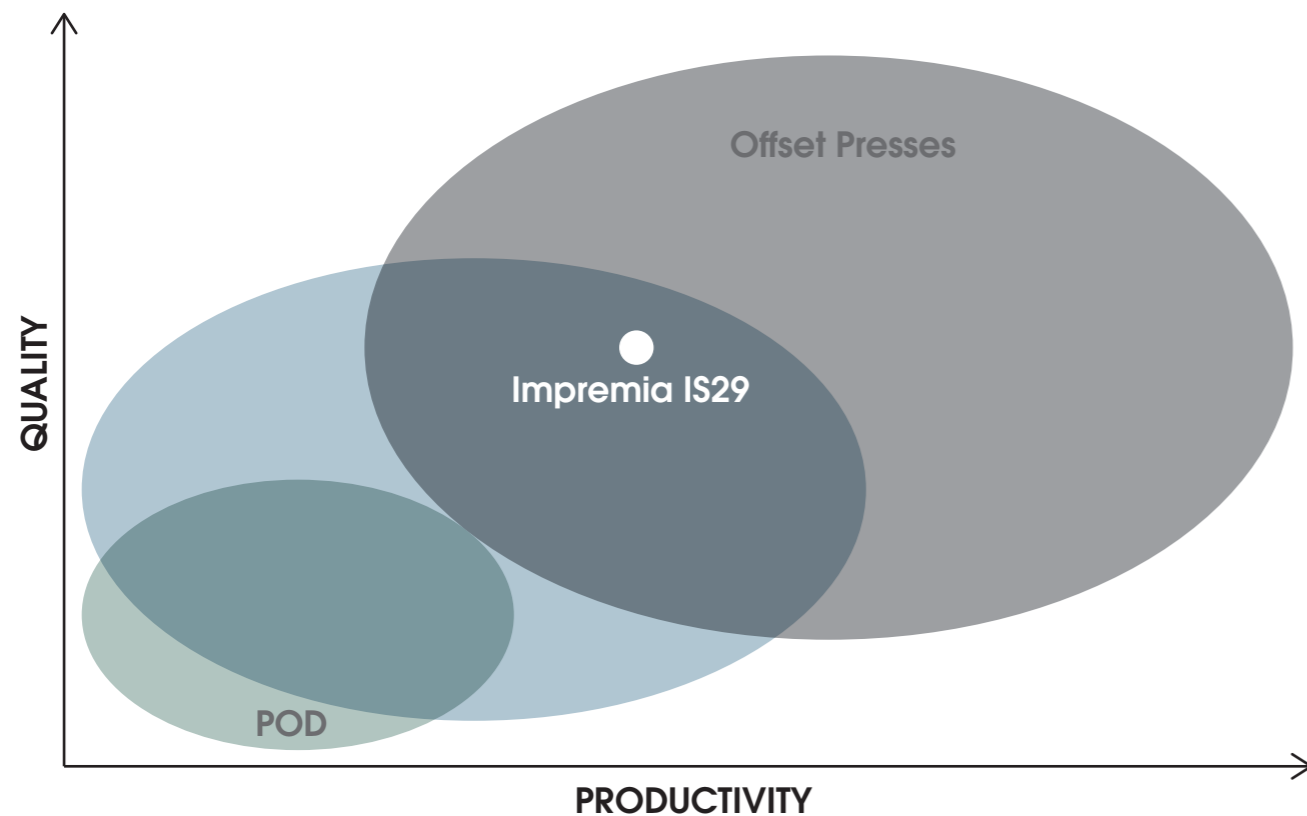
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The outlook for print is changing as a result of the development of digital communications. In addition to driving forward the idea of OffsetOnDemand in offset printing, Komori understands that raising efficiency and profits by taking advantage of both offset and digital printing technologies is the key to success for printing companies. Success requires the reliability and print quality of offset presses combined with the variable data printing capabilities and short run convenience of digital printing systems. To offer the total power of these capabilities, Komori is creating DigitalOnDemand solutions.

And now Komori has developed the high quality Impremia IS29 digital printing system as the key machine in the Komori OnDemand melding of offset and digital.

Impremia IS29 Positioning

As digital printing advances, the new potential of on-demand printing through its combination with offset is highly anticipated. And now digital printing systems have evolved into high-precision, high-quality production machines that fulfill all requirements. Offering high print quality that is very similar to offset, productivity and efficiency accommodating ordinary printing paper, double-sided printing, instant curing and a wide range of sheet thicknesses, the Impremia IS29 is ready for the short-turnaround on-demand printing environment that handles short runs of many different printed products.

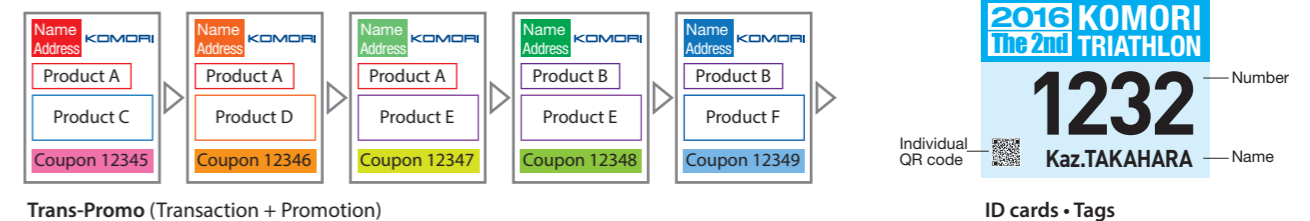


The Impremia IS29 is a state-of-the-art digital printing system with a maximum sheet size of 585 x 750 mm. Digital printing in the 29-inch size greatly expands the range of work. The system prints large posters, paged items with multiple impositions and packaging that conventional A3 machines could not handle. Six-up US letter-size impositions are trouble-free. The machine incorporates a perfecting mechanism, thus accommodating not only 4-up single-sided but also 8-up double-sided impositions.

In addition, the Impremia IS29 incorporates a direct printing method by means of UV inkjet. Printing that emphasizes painting-like contrast can be performed on specially processed papers (such as high relief embossed paper and canvas) that are difficult to handle not only with on-demand printers but even offset presses. Moreover, flexible and variable printing adaptability — available only with digital printing — will bring enormous advantages to the printing business.

Full Variable Printing

- One-to-one marketing such as mailing service and direct mail
- Numbering and barcode printing such as tickets, price tags, ID cards and notes



Versioned Printing

- Sales promotion items for multiple outlets (store A, store B...)
- Sales promotion items for a product in certain areas (London, Paris...)
- Manuals in multiple languages (Japanese, English, Chinese...)
- Short run, limited edition books
- Offset + digital hybrid printing (overprinting)



Ultra-short Run Printing

- Signage
- Private brand packaging, mock-up production
- Transport advertising (ads in buses/train cars)
- POP materials



Impremia IS29 Superiority for Printers

New Digital Printing Potential

Advantages

The Impremia IS29 will meet a wide range of printing needs and provide printers with advanced capabilities through functions that demonstrate perfectly the convenience and responsiveness of digital printing. Provides suitability with a wide range of printing stocks and sheet thicknesses, including ordinary offset printing paper, instant curing, one-pass double-sided printing and immediate finishing as well as the ability to accommodate short runs of many different printed products with tight turnaround times. With stable high print quality verging on offset thanks to its superior tone reproduction and register accuracy, the Impremia IS29 will succeed in not only commercial but also package printing. Easy operation enabling diverse job changes along with unheard-of productivity and efficiency make possible on-demand printing.

- No need for special paper due to UV inkjet technology

- No need for any precoating or certified paper

- 0.06–0.6 mm sheet thickness range in single-sided printing

- High image quality approaching offset

- Instant curing and the ability to start finishing immediately due to UV ink

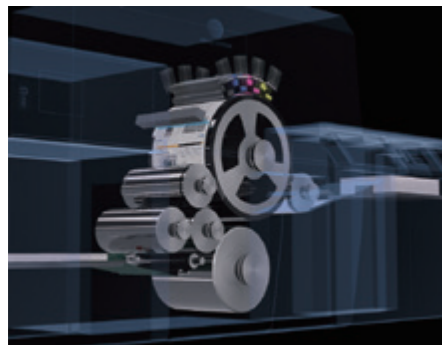
- Same high front/back register accuracy as offset

- Full variable printing capability

- Very few waste sheets

- Very quick job changes

- Easy operation



▲ High-precision sheet transport technologies

KHS-AI and KP-Connect

Advanced Networks

KHS-AI & KP-Connect

KHS-AI: Next-generation Integrated Control System

Performs integrated control of the press and functions as the window linking the press with various software and systems

The KHS-AI equipped on Impremia IS29 is a breakthrough productivity enhancement system for digital printing machines that incorporates print quality control functions of the conventional KHS-AI integrated printing control function. For digital printing, where short runs of many different printed items and short turnarounds go without saying, KHS-AI handles a wide range of job changes by simple operations and meets customer requirements.

KHS-AI Main Functions

- Machine operation
- Job management
- Operating records and maintenance data
- Self-diagnostics
- Linked to the RIP system
- Air presets

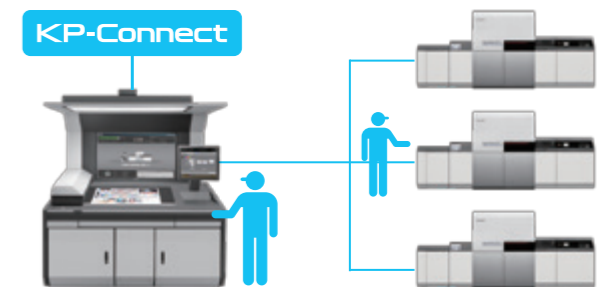


Digital Station (Option)

Improves operating efficiency of digital presses

Digital Station provides quality control, preventive maintenance and centralized information management for multiple digital printing systems.

- Quality control
- Preventive maintenance
- Centralized information management
- Profile data generation
- Maintenance and general management of consumables information
- Central machine operation monitor

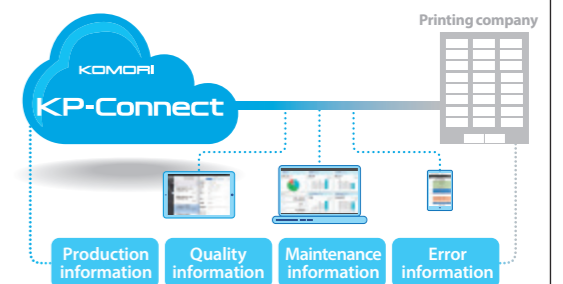


KP-Connect Komori Solution Cloud

KP-Connect Basic

Easy visualization of press production and operating conditions from a cloud-based system anytime and anywhere

KP-Connect Basic is a service that enables pressroom and production management to identify areas of improvement, giving them valuable information about press production, and improves productivity by enabling visualization of press operating status. As a second level, Komori will analyze the data and propose methods to improve printing operations that will supplement the user's own improvement activities.



KP-Connect Pro

Scheduling and workflow automation for all presses

KP-Connect Pro digitizes and streamlines the digital connection as an interface connecting MIS and job creation/scheduling for presses. The scheduling function can enable job automation between prepress, press, and postpress workflows and resolves bottlenecks between the processes.

K-ColorSimulator 2 Easy Color Matching Software

High-level color matching of offset and digital

K-ColorSimulator 2 is the core Komori color management system for reproducing offset printing/ISO color with output devices.*



* Epson Inkjet Proofer, Impremia C Series and Impremia IS29