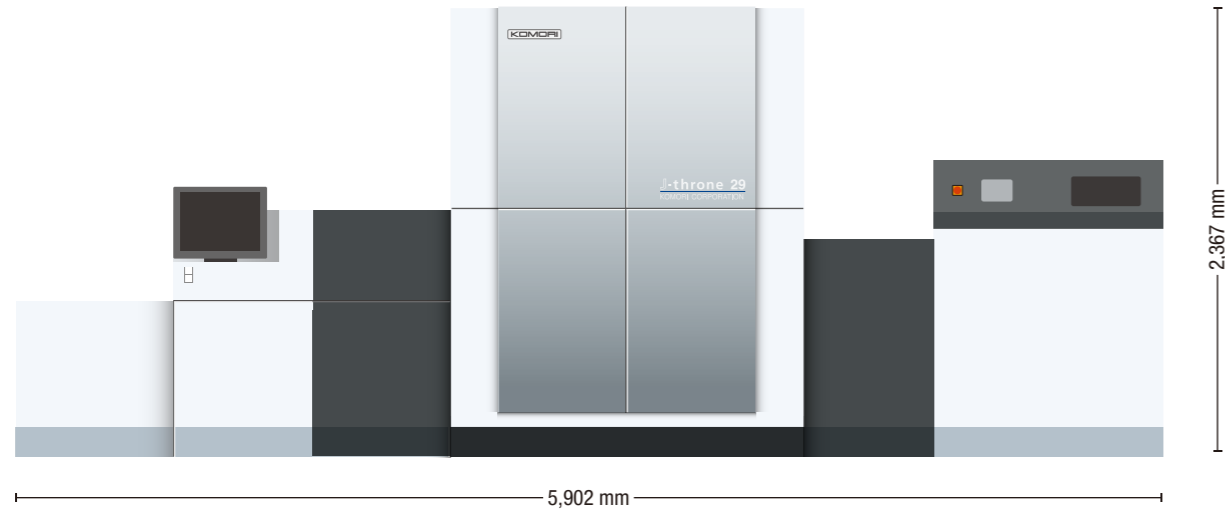


J-throne 29



Specifications

J-throne 29 (29-inch Sheetfed UV Inkjet Digital Printing Press) Specifications		
Model	J-throne 29	
Ink	LED-UV Ink	
Number of colors	4 (CMYK)	
Resolution	dpi	1,200 × 600
Printing speed	sph	6,000 [Simplex] 3,000 [Duplex]
Max. sheet size	mm (in.)	585 × 750 (23 × 29.5)
Max. printing area	mm (in.)	575 × 735 (22.6 × 28.9) [Simplex], 575 × 730 (22.6 × 28.7) [Duplex]
Sheet thickness	mm (pt.)	0.06 – 0.6 (2.4 – 24) [Simplex], 0.06 – 0.45 (2.4 – 18) [Duplex]
Dimensions	mm (ft.)	W 3,348 (10'12") × L 5,902 (19'4") × H 2,367 (7'9")
Machine weight	kg (lb.)	8,700 (19,18)

* Machine dimensions and weight exclude peripheral equipments.

* Performance and values may differ depending on specification. Komori reserves the right to change specifications for the purpose of product improvement.

Note:

Komori reserves the right to change specifications on machines without notice to improve reliability, functionality or design. Komori carries no obligation for use that does not correspond to the standard safety measures for products noted herein and other precautions. The technical information in this catalog constitutes an explanation of the general operations of the product and grants no rights or license belonging to Komori Corporation or third parties. The photographs in this catalog include some special specifications. Specifications are current as of February 2026. Specifications and photographs are subject to change at a later date due to product improvements.



Pinnacle of Performance

Print Smarter, Operate Easier.

With rising printing costs putting pressure on profits, printing sites are expected to deliver flexibility and precision. Furthermore, as it becomes harder to secure qualified operators, ensuring a stable and reliable production system is absolutely essential.

The **J-throne 29** is a 29" sheetfed UV inkjet digital printing press that fuses Komori's decades of offset printing expertise with the most advanced UV inkjet technology.

With industry-leading speeds of up to 6,000 sheets per hour (sph) in simplex and 3,000 sph in duplex mode, the Komori **J-throne 29** redefines B2+ inkjet productivity. Its precision sheet transport system ensures consistent registration and exceptional image stability, maximizing uptime and yield for every job. Designed for full variable-data printing and rapid job changeovers, the **J-throne 29** handles everything from ultra-short runs to high-volume production with ease. This flexibility—combined with its rapid job turnaround and outstanding ROI performance—makes the **J-throne 29** a powerful solution for today's dynamic, data-driven print environment.

Furthermore, its easy operation allows less-experienced operators to achieve stable production after Komori's on-site training program. With its energy-saving, waste-reducing, and space-efficient design, the **J-throne 29** also contributes to a smaller environmental footprint.

The **J-throne 29** takes your printing business to the next level.

Scan the 2D code to visit the product website.



J-throne 29

High Productivity

Simplex Printing at 6,000 sph and Duplex Printing at 3,000 sph: Outstanding Printing Production

Class-leading speed with stable productivity

A paper transport system refined through Komori's offset press development expertise ensures high-speed, stable printing. Outstanding productivity is achieved in both simplex and duplex printing. In addition, newly developed image-forming technology* delivers consistent quality from the very first sheet.

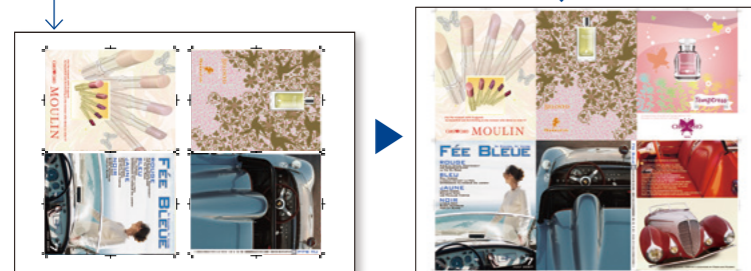
* Technology combining DFE (Digital Front End), image processing, print heads, and LED-UV ink.

Supports B2+ sheet size

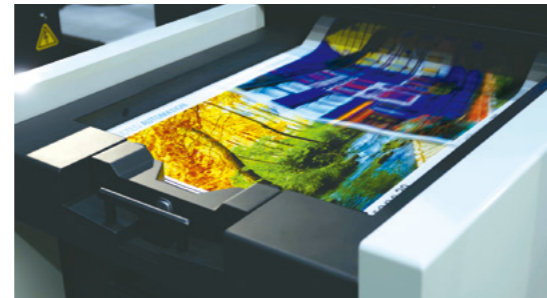
With the ability to print on sheets up to B2+ size 23" x 29" (585 x 750 mm), the J-throne 29 makes best use of widely used formats, including US letter size, enhancing efficiency and profitability.

B2+ size of J-throne 29 : 585x750mm (23"x29.5")

Standard 29+ Size : 530x750mm (20.9"x29.5")



Example of imposition using US Letter size (8.5"x11")



Efficient production of short to large-volume print runs

The J-throne 29's 6,000 sheets per hour capability extends inkjet printing as complementary process to other print production methods. With the capability to produce print jobs of one, and the ability to be competitive on run lengths thought only competitive on offset, or inkjet web, the J-throne 29 platform is setting the bar for tomorrow's print production provider.

Simple Operation and Easy Maintenance

Intuitive Operation and Easy Maintenance: Solutions to the Challenges of Labor Shortages

User-friendly touchpanel operation

All printing processes are completed through touchpanel operation. This eliminates complex procedures and enables acquisition of the necessary operation skills in a short period of time. This also makes it an advantageous solution in addressing the recent challenge of securing operators.

* Excluding paper handling during sheet feeding and after printing.

Easy maintenance

With its simple machine configuration, the number of maintenance tasks and operational touchpoints is minimized, reducing operator workload. The use of LED-UV Ink prevents inkjet head nozzle clogging caused by ink drying, eliminating the need for the specialized head maintenance required in water-based inkjet systems.

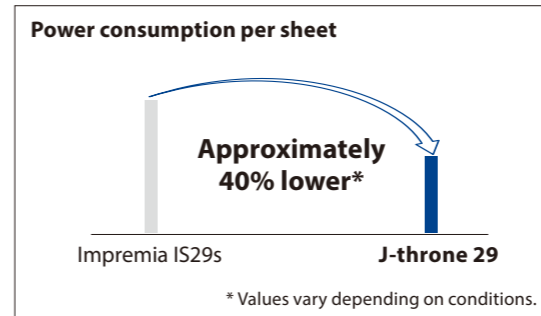


Sustainability and Space saving

Contributing to a Sustainable Society with Reduced Power, Waste, and Space Requirements

Energy-saving design cuts power consumption

By adopting newly developed proprietary inks, the press enables quick start-up and makeready while minimizing energy consumption and delivering high productivity.



Reduced environmental footprint contributes to a sustainable society

The newly developed LED-UV ink reduces the environmental impact during printing and requires fewer consumables compared to water-based inkjet machines.



Reducing exhaust heat and VOC emissions

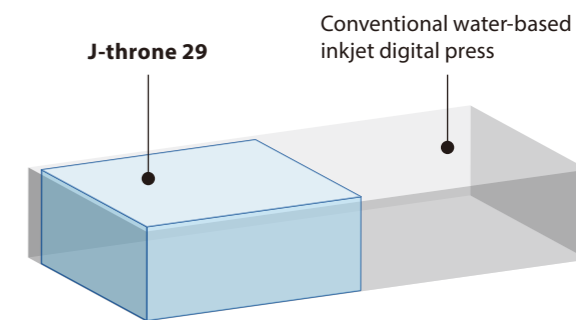
Unlike water based inkjet systems, the LED-UV ink used by the J-throne 29 requires no exterior heat exhaust system. This not only reduces environmental impact but also lowers equipment costs. In addition, it helps suppress the emission of VOCs (volatile organic compounds), a major contributor to the environmental burden.

Zero start-up waste

Delivers consistent, high-quality output from the very first sheet. Zero start-up waste during both proofing and production printing helps significantly reduce paper costs.

Space-saving compact design

With no need for a large drying unit, it requires far less production floorspace than conventional water-based inkjet digital presses.



Just-In-Time Inventory, reducing storage space requirements

Easily adapts to design changes and supports ultra-short runs with rapid turnaround. This eliminates the need to keep excessive inventory and enables efficient use of storage space.



J-throne 29

Printing speed
(sph)

6,000

Max. sheet size (mm)

585×750
(23"×29.5")

Sheet thickness*
(mm/pt.)

0.06–0.6
(2.4–24)

* double-sided: 0.06–0.45 (2.4 – 18)



J-throne 29

High Added Value

Supports a Wide Range of Substrates without Pre-coating
A Press Built for High Value-added Printing

With its proprietary LED-UV ink, the J-throne 29 requires no pre-treatment or coating, enabling direct printing on a wide variety of substrates. In addition to paper, it can print directly on a variety of substrates such as films and synthetic papers.* It delivers stable performance across a wide range of jobs, from ultra-short runs to large-volume production, while also enabling flexible product offerings such as high value-added printing, including personalization.

• **Sheet thickness range**

Simplex printing: 0.06 – 0.6 mm (2.4 – 24 pt)

Duplex printing: 0.06 – 0.45 mm (2.4 – 18 pt)

Supports everything from commercial to packaging applications.

• **Maximum sheet size**

585 × 750 mm (23" × 29.5"), with 6-up US letter size supported.

* Prior evaluation testing may be required for some kind of synthetic papers.



Package

Perfect for short-run and variable design packages. It is also well-suited for producing package prototypes. Additionally, the wide color gamut of the LED-UV ink produces an additional color palate without use of Pantone® colors.

Posters

Can print vivid, eye-catching posters, as well as backlight film, in a wide color gamut. Also effective at reducing paper waste, as final printing can begin from the first sheet.

Cards

Excellent for items that require durability, such as membership cards and pointcards.

Books and calendars

Prints effectively on colored paper, uneven embossed paper, and similar mediums demanded for novel, comic, paperback and other book covers. Since the inside pages do not require collating, the workload is reduced.



Direct mail

Not only full-variable printing but also efficient high-volume output of partially variable jobs, such as addresses, is possible.

Photo books

Even a single copy can be produced. Its wide color gamut enables faithful reproduction of colors, such as those in portraits and landscapes, comparable to monitor display quality.

Stickers / Labels

Capable of printing on a variety of special substrates, including tack paper, synthetic paper, and Japanese paper.*

* Prior evaluation testing may be required.

Tickets / Coupons

Supports printing of numbering and 2D codes.

J-throne 29

Quality

Double-sided one-pass printing with the same sheet transport system as an offset press, delivering high registration accuracy

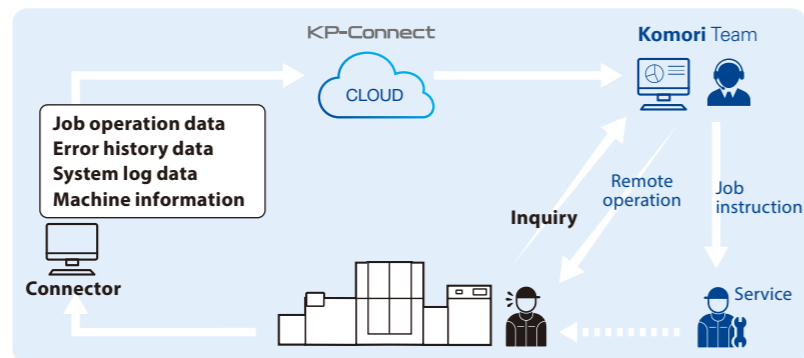
The J-throne 29 incorporates a perfecting mechanism developed from offset printing technology. Even in one-pass double-sided printing, it minimizes register misalignment and achieves high registration accuracy. Komori's unique sheet transport technology provides outstanding print quality.



Service

Remote Support for KP-Connect

Komori's KP-Connect software enables integrated management of scheduling, progress, and performance across the entire printing plant. Captures not only press operating data but also system logs and machine information in real time. In the event of a machine malfunction, investigation and analysis of this data enables quick recovery and minimizes downtime.



* Some optional features may be included. Please contact our sales department.



J-throne 29

Features

The Pinnacle in Digital Printing Presses—Komori's Expertise in Offset Printing Makes it Possible

High-quality, high-productivity configuration and internal mechanics

Scan the 2D code to watch the product feature video.



Platform for integrated press controls and linking of softwares and systems
KHS-AI: Next-generation Integrated Control System
 A revolutionary productivity enhancement system for digital printing presses.

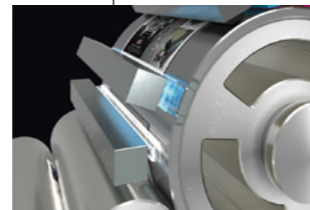
- KHS-AI Main Functions
- Machine operation
 - RIP function
 - Operating records and maintenance data
 - Self-diagnostics
 - Job management
 - Air presets



Also efficient for short runs
High pile delivery + sampling tray
 High pile delivery up to 647 mm, plus separate sampling tray for efficient short run prints.



Ideal for managing high-mix, short-run production.
Tape inserter*
 A system that can insert tape at any desired sheet interval, streamlining the management of multi-variety, small-lot jobs and boosting production efficiency.



Provides stable quality printing
LED-UV, inline sensors
 LED-UV light and inks allow for fast curing, for immediate postpress processing to meet short turnarounds. Inline sensors offer nozzle compensation for stable quality printing.



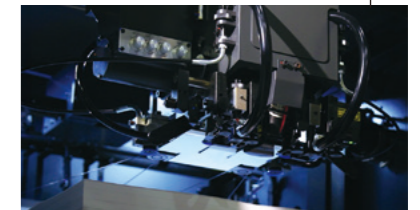
Highly accurate, stable paper transfer
Triple cylinder
 Grippers and air suctioning ensure highly accurate paper transfer.



High front-to-back registration accuracy
Perfecting mechanism
 By adopting the same sheet transport system as an offset press, it achieves front-to-back registration accuracy approaching that of offset.



Reproduce vivid colors
Inkjet heads, LED-UV Ink
 Stable printing is achieved through highly reliable printheads and newly developed LED-UV ink. Despite using only four process colors, the J-throne 29 delivers a wide gamut color palate. In addition, because it uses LED-UV ink, no pre-coating or dedicated paper is required, allowing printing on a wide range of substrates.



Compatible with wide range of sheet thicknesses
Feeder
 Large-pile feeding of stacks of up to 900 mm. Equipped with same feeder head, feeder board, front gauge and side gauge as offset presses. Capable of stable, continuous printing on thin to thick paper. A feeder* compatible with skid paper greatly reduces the operator's paper loading workload.

* Option