Specifications

LITHRONE G44 advance

LITHRONE GX44 advance (44" Offset Printing Press) specifications

Model		GL-444A	GL-544A	GL-644A	GL-744A	GL-844A
Number of colors		4	5	6	7	8
Max. printing speed	sph	15,000				
Max. sheet size	mm (in)	840 × 1,150 (33.1 × 45.3) (820 × 1,130 (32.3 × 44.5) option)				
Min. sheet size	mm (in)	460 × 620 (18.1 × 24.4)				
Max. printing area	mm (in)	820 × 1,140 (32.3 × 44.9) (810 × 1,120 (31.9 × 44.1) option)				
Sheet thickness range	mm (in)	0.04 - 0.8 (0.0016 - 0.031) (0.08-1.0 (0.0031 - 0.039) Skeleton transfer cylinder specification)[1]				
Plate size	mm (in)	900 × 1,150 (35.4 × 45.3) (900 × 1,130 (35.4 × 44.5) option)				
Blanket size	mm (in)	1,050 × 1,160 (41.3 × 45.7) (including aluminum bar)				
Feeder pile height	mm (in)	1,250 (49.2)				
Delivery pile height	mm (in)	1,250 (49.2)				
Dimensions	Length (L) mm (ft)	11,255 (36'11")	12,590 (41'4")	13,925 (45'8")	15,260 (50'1")	16,595 (54'5")
	Width (W) mm (ft)	3,910 (13') (5,650 (18'6") with blower cabinet)				
	Height (H) mm (ft)	2,368 (7'9") (2,850 (9'4") with safety covers open)				

[1] Transfer cylinder gripper pad adjustment is necessary when the printing paper is thicker than 0.5 mm (0.020 in).
* Maximum printing speed may differ depending on chosen specifications and printing conditions.
* Performance and numbers may differ from specifications herein. Specifications may also be modified for product improvements.

44" Offset Printing Press

The Lithrone G44 advance:
Unique format size offers unmatched production efficiency

advance

High productivity and print quality achieved through easy operation by means
of IoT technologies and self-learning functions

With a wide maximum sheet size of 840 mm x 1,150 mm, the Lithrone G44 advance achieves impressively high production efficiency for large-format package printing. With the unique sheet size, the Lithrone G44 advance is the perfect complement for the packaging printer as it increases overall print capacity using a larger sheet, while at the same maintaining the ease of operation similar to a B1 press. Based on the Connected Automation concept, strengthened collaboration and optimization between processes as well as high-level automation with presets based on information from high-end systems are realized, thus contributing to productivity improvement throughout the entire printing process, and providing one of world class ROI. The Lithrone G44 advance is a strategic machine that revolutionizes production efficiency for B-series and package printing alike.
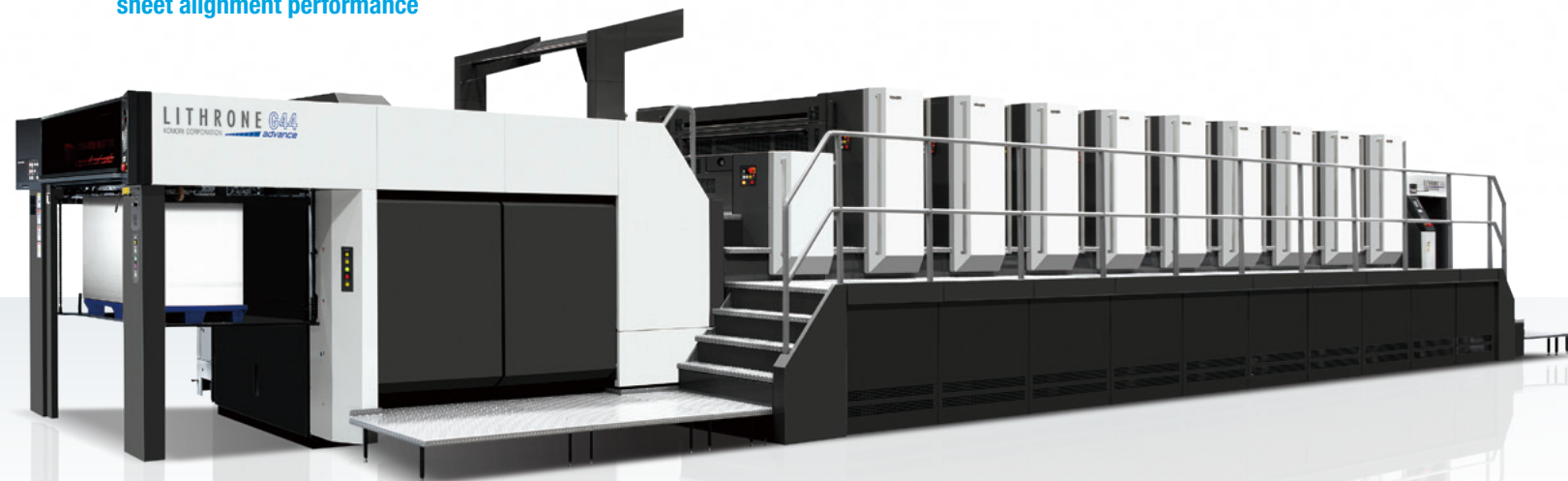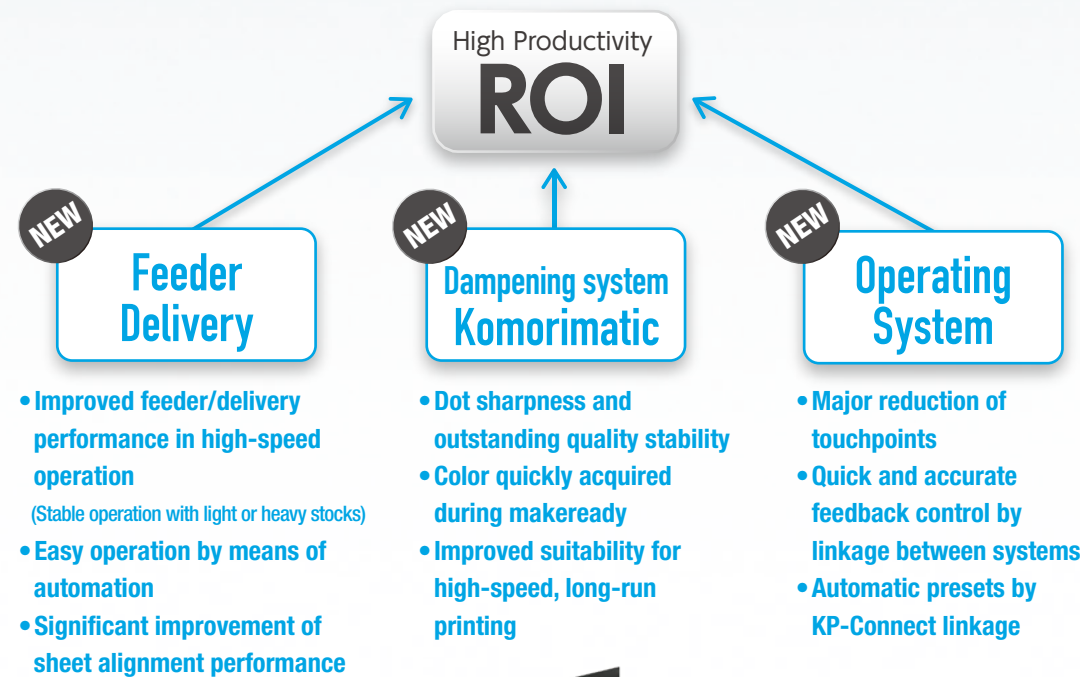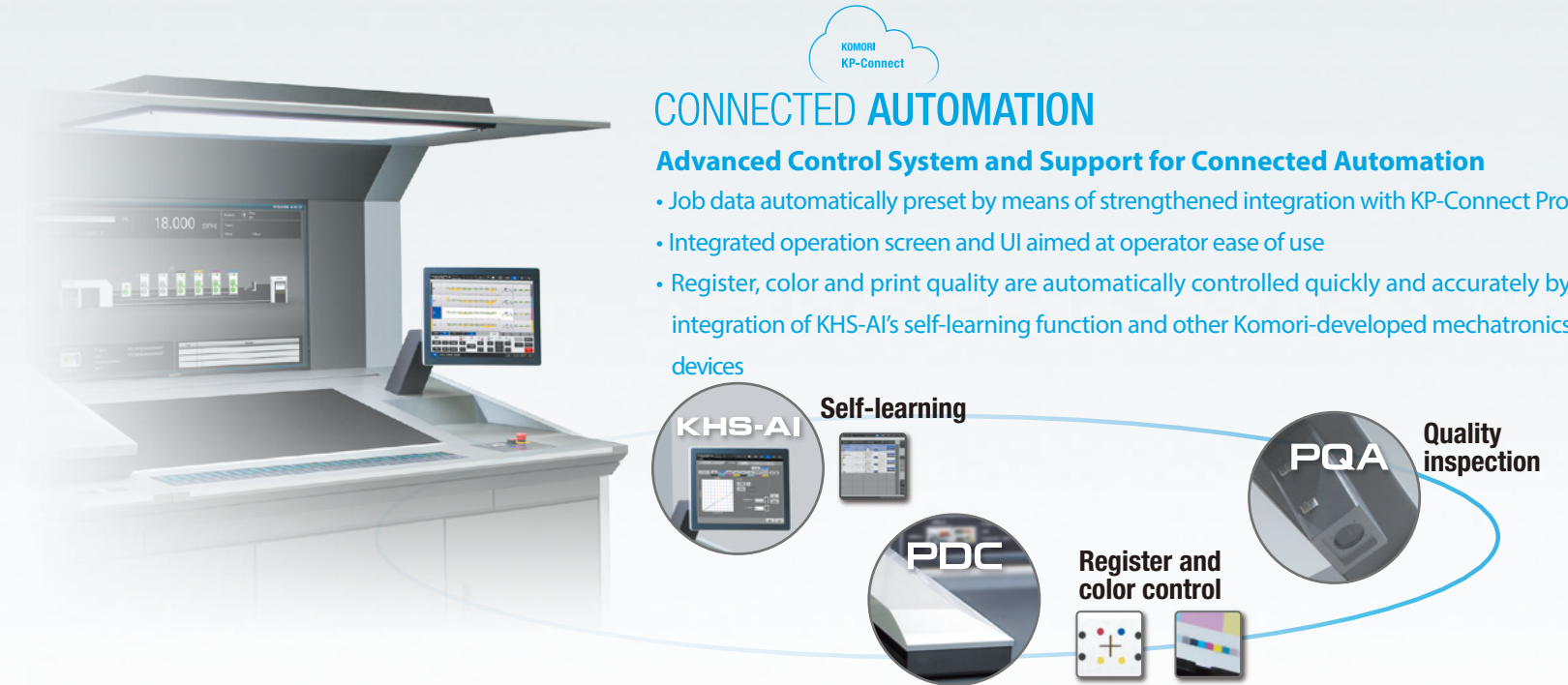
* ROI: Return on investment

KOMORI KP-Connect

CONNECTED AUTOMATION

Advanced Control System and Support for Connected Automation
- Job data automatically preset by means of strengthened integration with KP-Connect Pro
- Integrated operation screen and UI aimed at operator ease of use
- Register, color and print quality are automatically controlled quickly and accurately by integration of KHS-AI's self-learning function and other Komori-developed mechatronics devices

KHS-AI — Self-learning
PDC — Register and color control
PQA — Quality inspection

High Productivity ROI

NEW — Feeder Delivery
- Improved feeder/delivery performance in high-speed operation
  (Stable operation with light or heavy stocks)
- Easy operation by means of automation
- Significant improvement of sheet alignment performance

NEW — Dampening system Komorimatic
- Dot sharpness and outstanding quality stability
- Color quickly acquired during makeready
- Improved suitability for high-speed, long-run printing

NEW — Operating System
- Major reduction of touchpoints
- Quick and accurate feedback control by linkage between systems
- Automatic presets by KP-Connect linkage

Photo: GL-944A+C
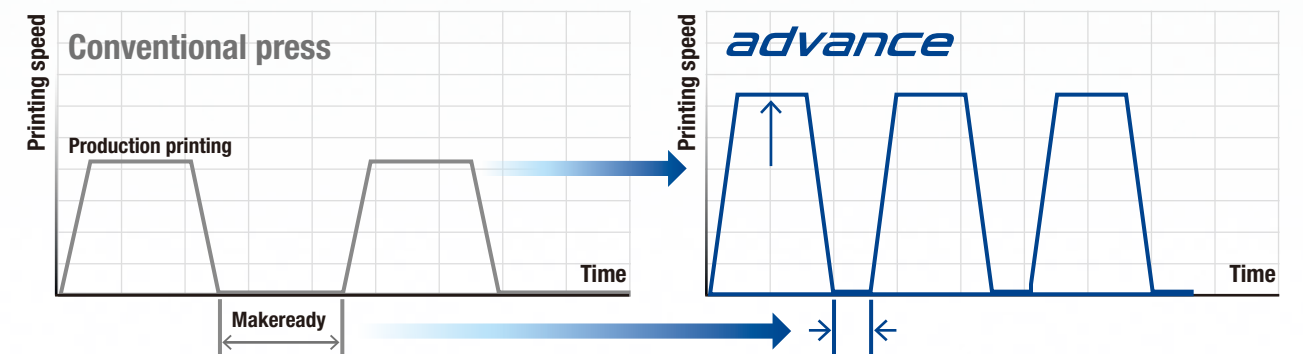* Model in photograph includes optional specifications.

LITHRONE G44 *advance*

Reason for high ROI

* Run length is the same

Conventional press — Printing speed / Time
Production printing
Makeready

advance — Printing speed / Time

The benefit by the unique format size (example)

Impressively high production efficiency for large-format package printing
40" 44"

Paper size	40"	44"
Impositions	16	25
Paper area	100%	120%
Imposition ratio	100%	156%

Impressively high production efficiency for package printing
40" 44" 56"

Paper size	40"	44"	56"
Impositions	1	2	2
Paper area	100%	120%	200%
Imposition ratio	100%	200%	200%

Most efficient