SYSTEM 355





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SYSTEM 355

CONCEPT

Breakthrough Strategic Web: Proven Systems and Up-to-the-Minute Technologies

A shifting economic scene and evolving market needs demand web presses that meet diverse and sophisticated challenges: short-run capabilities, consistent quality in high-speed operation, high productivity and cost performance, and an environmentally responsive design. Mobilizing the most proven technologies available, Komori developed the System 35S to meet these challenges.

In addition to ensuring the well-known Komori print quality, the System 35S is equipped with Full APC for sub-two-minute changing of all eight plates, an evolved KHS-AI (Advanced Interface) system with a user-specific self-learning feature that functions as a total setup control system, and parallel simultaneous control of changeover tasks. The sectional drive design with independent drive motors achieves the world's fastest job changeover. Careful attention is given to environmental factors, as seen in the improved Komorimatic dampening system, which accommodates nonalcohol printing. Plus, a lineup of double-width combination folders available for value-added applications.

An optimized System series base platform implemented with an advanced generation of technologies, the Komori System 35S will transform the possibilities open to web printers.

ECOLOGY

Komori has long regarded as critical the development of environmentally responsive presses.

Built at the ISO 14001 and 9001 certified Tsukuba Factory, the System 35S not only reduces wastage through process automation features such as KHS-AI but also consumes less ink and dampening solution. An ecologically sound design throughout includes the improved Komorimatic, enabling nonalcohol printing, and high-efficiency motors, resulting in reduced power consumption.

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P R O F I T A B I L I T Y

P R O F I T A B I L I T Y

KHS-AI (Advanced Interface) Sophisticated operation system

Pre-inking and Removing forms a reference ink film on the rollers and feeds ink that matches the image. Condition-specific presets facilitate quick startup with minimal paper waste. A self-learning function stores compensation data and assists color matching. In addition, KHS-AI makes the System 35S a self-compensating, self-optimizing production machine. Thus, KHS-AI, an integrated control system, vastly improves productivity by automatically analyzing folds and operating conditions, the status log, and maintenance data.



- Automatic control of fine adjustments at print startup

*=Option

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The synergy of single-step startup and single makeready

The speed of KHS-driven automatic startup combined with Komori's quick changeover significantly raises the press operating factor and reduces paper wastage. A proven equation to increase total production efficiency and ensure outstanding short-run performance while addressing an important environmental issue

Corventional press





QUALITY

Higher Plane of Quality

Maintenance space, between units as well as around the lower units, is abundant for easy operation.

The System 35S ensures the optimum balance of ink with the minimal required quantity of water for sharp, high-quality dot reproduction.





Full Automatic Plate-Changing (Full APC) Facilitates single-step register adjustment by changing all eight plates in two minutes with high mounting accuracy. A major advance toward full plant automation.

Komorimatic

Employing a counter-slip design, the Komori automatic dampening system assures high printing quality by applying a consistent ultrathin film of dampening solution to the plates. An eco-sensitive operation, the System 35S allows for reduced use of solution and nonalcohol printing.

New ink fountain

The new ink fountain provides stable '0' setting, improved maintenance, and ink spray containment. kickback control is employed to remove any paper dust on the fountain keys and to enhance ink feed precision.

Offering stunning reproducibility, the System 35S delivers the quality that excites customers.

The KHS design philosophy is implemented throughout.

PRODUCTIVITY



P R O D U C T I V I T Y

Range of Signatures for Added Value

In addition to providing ample space for service operations,

the proven folder maintains high folding precision by the three-cylinder cylinder array and belt arrangement,

Fully digital central data control shows all operating conditions on the touch-screen monitor.

Remote control for numeric setting and follow-up operations greatly simplifies operation,

creating an optimized production environment.











▲ Two-arm flying paster integrated infeed





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Available with 2 x B4 x 2P double width Sheeter

•The System 35S may be configured with a 2 x B4 x 2P double width Sheeter. This provides pinless, clear-cut delivery of B4 x 2P signatures that can be bound by the stacker-bundler, contributing substantially to automation of the print production line.

•Uses air paper transport system, and allows printing with a wide range of thin stocks.

•The setting standard on the upper blade reduces the time required to change the blade to less than half of that for a conventional folder.

Reduced Space and Work Requirements

The split-arm design permits full-size (625-880mm) web reels to be mounted concurrently. Labor-saving flying paster fully automates the roll changing process. Advanced tail controller ensures easy splicing and prevents paper jams because the pasted and cut positions are contained within a single signature. These high performance technologies raise System 35S productivity.

O P T I O N S

PQA-W Print Quality Assessment System for Web



The Komori print quality inspection system for web offset presses is the advanced system that tackles head-on the issues of previous systems, such as false detection or non-detection due to subtle changes in permissible values for inspection.

The system dramatically reduces false detection due to snaking of the web and ensures high-efficiency detection.

PQA-W Features

1 Reduces false detection due to snaking of the web.

2 Detects tints regardless of color thanks to the use of a color CCD camera.

3 Detection of transient paper wrinkles or other paper imperfection that do not require detection as defects can be canceled because of the use of a defect judgment circuit.

4 The incorporation of a record management function permits the browsing of past data.

Komori Pattern Perforator Inline perforating machine



The Komori Pattern Perforator can perforate cards and coupons. The machine is a three-cylinder type on which horizontal and vertical teeth are attached separately, and cross cutting can be performed without the use of cross or L-shaped teeth. The machine is extremely economical because used blankets can be reused on the support cylinder and durability can be significantly increased by changing the phase.



Sectional Drive

High print quality and consistent machine operation through high torque motors and high precision technologies. Web feeding control at very low speed during changeover is more reliable due to dancer-roller control after the final printing unit further automating the changeover process. Functions such as the torque diagnostic function for notifying the operator of unit-specific abnormal conditions, quicker makeready as a result of separate operation, and parallel adjustment with the folder contribute to this exceptionally easy-to-use press.



SYSTEM 355

S I G N A T U R E S



S P E C I F I C A T I O N S

Specifications	
Maximum printing speed	48,
Cutoff	546
Maximum roll diameter	Φ1
Web width	625
Non printing gap	8m
Paper stock range	40

O U T L I N E



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