

SYSTEM 38D



JQA - QMA10134
JQA - EM1949
Tsukuba Plant

KOMORI CORPORATION

11-1, Azumabashi 3-chome, Sumida-ku, Tokyo 130-8666, Japan Tel: +81-3-5608-7817~19 Fax: +81-3-3624-6955

<http://www.komori.com>



System 38 D: The Strategic Machine for Operating Innovation

Reincarnate the industry-renowned System 38S web offset press in the 32-page format to address the expanding market for high quality 32-page web work. Implement the unexcelled print quality performance and leading-edge control systems of the System 38S in an extremely productive 32-page web.

Harness Komori technology to revolutionize makeready times, opening new markets that demand System 38-level performance.

Deliver 36,000iph printing speed with Komori's legendary ease of operation.

Maximize compatibility with System 38 16-page web presses. Automate everything.

Then support it with seamless Komori technical backup.

This was Komori's design mission statement.

The result is the System 38D 32-page web offset printing press. Productivity of a different order.

Designed from the ground up to fit into any CIP4/JDF-driven workflow.

Packed with Komori technologies to save time, save labor, save printing materials, and save the environment.

Backed by the best support system in the world. Komori's.





Q U A L I T Y

The superior print quality of the System 38 press is an established fact. The key is Komori's unique cylinder array of double-size blanket and plate cylinders and large-diameter inking rollers, which guarantee an utterly stable, stress-free paper flow.

The inker design, dampening system and automatic register guidance function employ the proven technologies of the System 38S to ensure high print quality.

The hickey picker is motorized and 1st ink form rollers and dampening rollers use an innovative oscillating design.

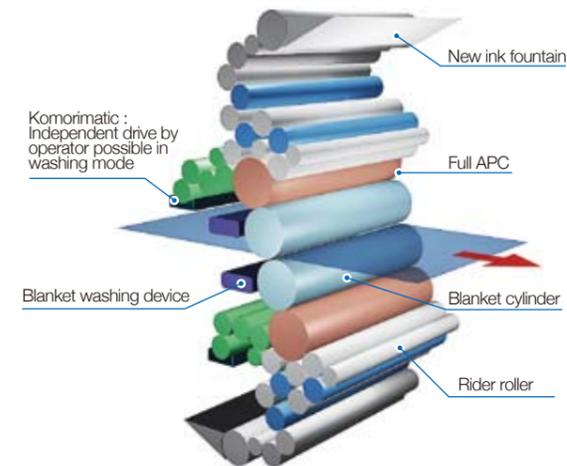
Digital control executed from the state-of-the-art operation console offers very easy operation, allowing the operator to focus on quality control tasks.

High fold quality is provided by the DC-38/1250 double chopper folder.

Fold format changeover is integrated into the KHS-AI system and is fully automated.

The cutting cylinder with collecting function assures perfect matching of leading-edge positions of folded products.

The full repertoire of System 38/S technologies allows differentiation by quality in the 32-page web market. And legendary Komori structural rigidity means this print quality will be on the front line for the long term.



Printing unit

- Compatible inker/dampening arrangement with 38S ensures high quality printing
- Double-size blanket & plate cylinders and large-diameter inking rollers
- Full APC Fully Automated Platechanging
- Motorized hickey picker
- Oscillating 1st ink form rollers and dampening rollers



AFC Automated Folder Changeover

- 3 to 5 minutes for all format changes
- Auto copy reject/Leading in
- KHS-AI preset integration
- Selection of fold format, paper width, and paper type presets the following items.
 - Chopper timing, head stop guide height, and chopper roll clearance
 - Paper guides position
 - Upper nipping roll position



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

Komori's revolutionary fully automatic platechanging (Full APC) system makes the System 38D the ultimate short-run 32-page web.

Full APC lets one operator change all eight plates in less than three minutes — time and labor metrics that actually change the equation.

The press is designed to maximize the efficiency of Full APC, with easy setting of plates in the loader and ample space between units for the operator.

And the high plate mounting accuracy takes full advantage of high-end CTP systems.

To further streamline job changeovers, the System 38D employs the Smart Sequence System for simultaneous parallel execution of changeover tasks based on the job ticket data.

In addition, it deploys the Synchronized Drive System, which accelerates the press very quickly, allowing the operator to get the OK sheet and begin final printing with no delay.

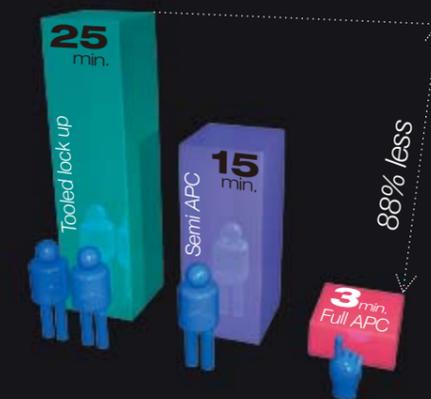
Both systems have a significant impact on the economics of short-run work, saving considerable time and labor.

New Full APC

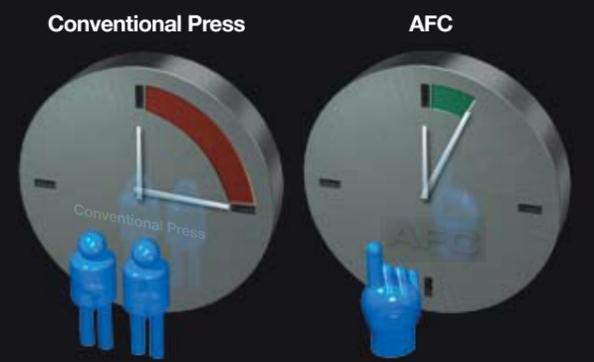
- 8 plates changed in 3 min
- High plate mounting accuracy with CTP
- Easy plate setting in loader
- Web intact during platechanging
- Ample maintenance space between units



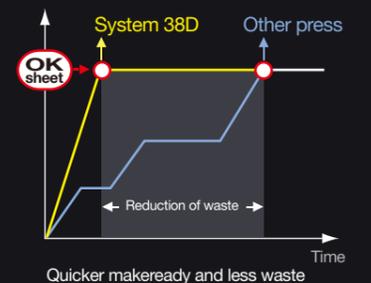
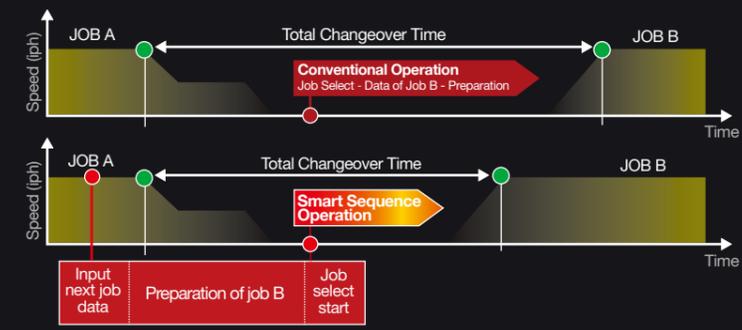
Full APC
Platechanging time and number of operators



AFC Automated Folder Changeover
3 to 5 minutes for all format changes with one-touch operation



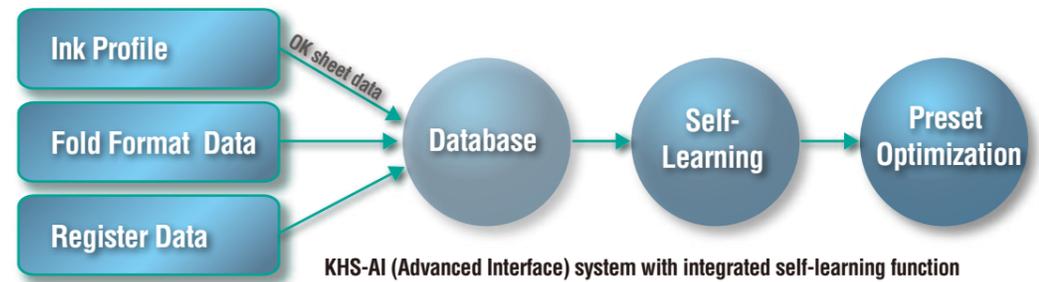
Smart Sequence Operation

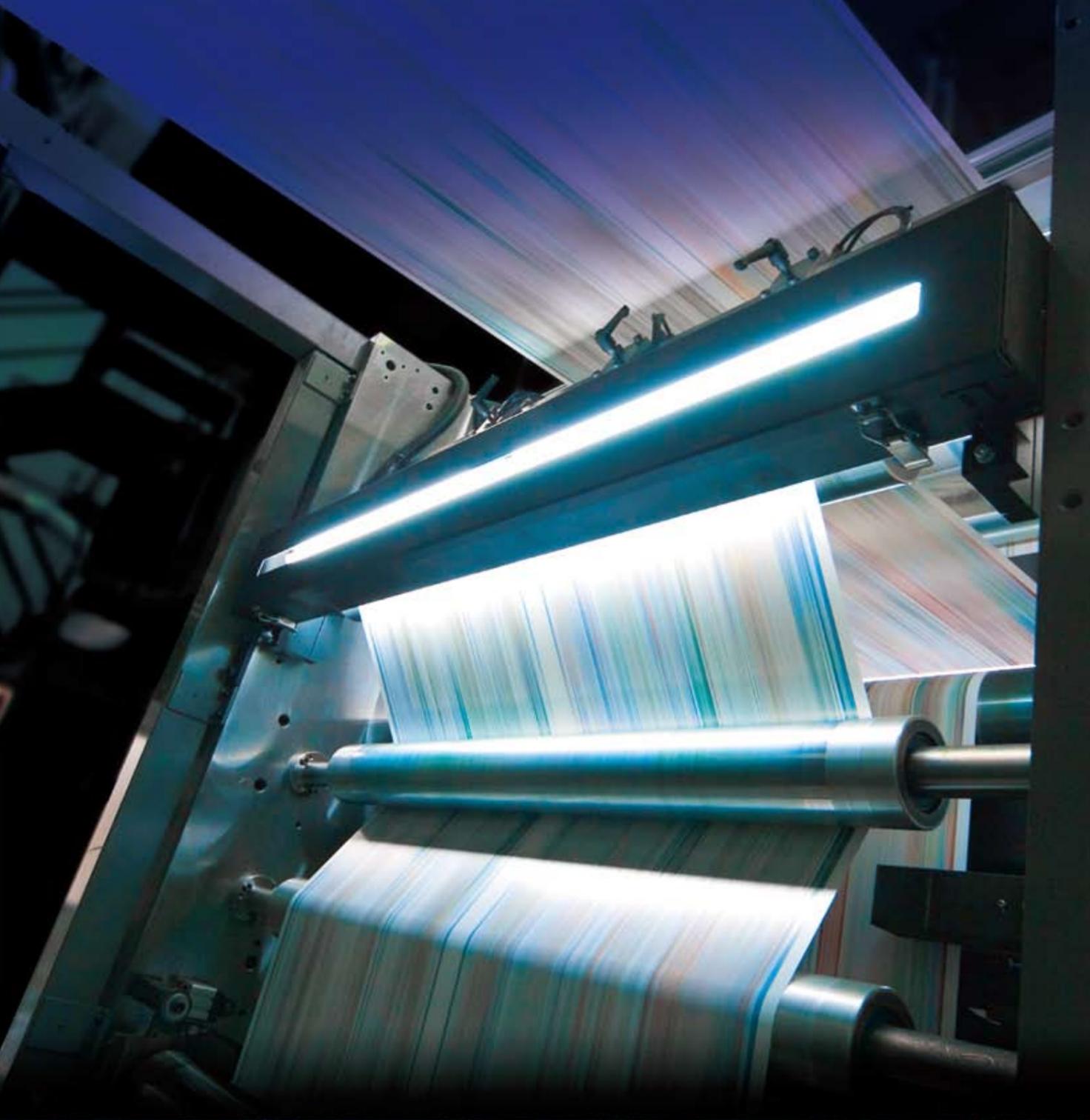




T E C H N O L O G Y

System 38D productivity is derived from the logic of a 32-page press printing flawlessly at 39,000iph. Yet the imperative of handling shorter run lengths makes short makeready time equally important. The System 38D performs makereadies in a fraction of the time needed by every other 32-page web on the market. Directing this brilliant performance is the Komori DoNet-based KHS-AI (Advanced Interface) system with integrated self-learning function, standard on the System 38D. K-Station sends the job ticket, including paper specifications, inking profile, and fold format to KHS-AI, which then searches its database for the optimum press operating parameters, controlling web guides, tensions, dryer settings and other variables. The press is fine-tuned even before the job starts running. The KHS-AI self-learning function facilitates optimized presetting by continuously analyzing the fine color adjustments and compensation values that vary by plant environment, paper type, other printing materials, and even client. This analysis is used for continuously updating the KHS-AI database to provide the best preset data for everything from ink key openings to chopper timing. The fastest and most accurate 32-page setup ever.





S Y S T E M - W I D E R E L I A B I L I T Y

Komori understands the level of support needed for high-capacity 24h/7-day production machinery such as the System 38D and has designed an intelligent technical support system into the easy-to-use KHS-AI system in the operation console.

Komori also deploys a seamless network of online service engineers, strategically sited parts depots and layered backup to ensure rapid recovery in any situation. Reliability must be system-wide.

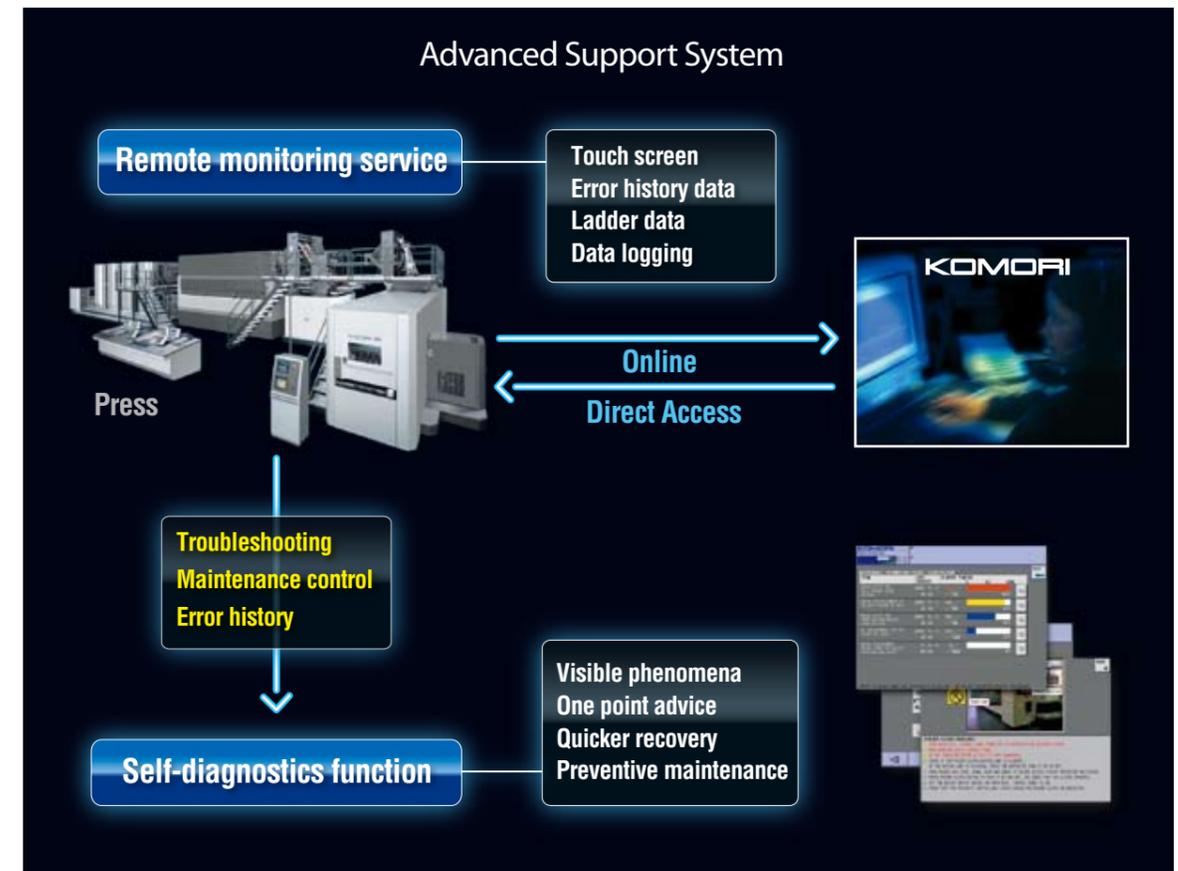
The press features advanced self-diagnostics that permit rapid troubleshooting and maintenance control and also provide an error history.

KHS-AI supports the operator in handling routine conditions.

And remote monitoring allows Komori to 'see' into the press over the network when remote troubleshooting and support are needed.

Beyond the hardware and software,

Komori has the people and infrastructure to keep the System 38D running. Constantly.



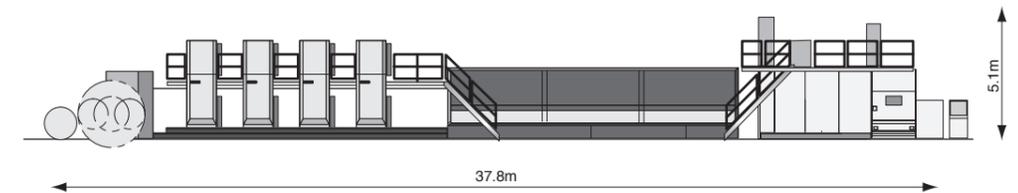
S P E C I F I C A T I O N S

General Specifications	
Maximum printing speed	40,000IPH(80,000CPH/16P)
Cutoff	578mm, 625mm
Maximum web width	965mm
Non-printing gap	9mm (theoretical - 1 color with unit phasing)
Paper stock range	40~130g/m ²



SYSTEM 38D		DC Double Chopper Combination Folder			
SIGNATURES		Maximum production speed 39,000IPH (78,000CPH/16P)			
	≡ First fold	⊃ Double parallel fold	⊃ Delta fold	⊃⊥ Chopper fold	
	≡	⊃	⊃	⊃⊥	⊃⊥
Full Web	A3x8p	A5x2x16p	12p	A4x16p	24p
Slit 1/3 Ribbons Shift	A4x12p	A5x2x24p	18p	A6x2x24p	
Slit 1/2 Ribbons Shift	A4x16p	A5x32p	24p	A6x2x32p	
Collect	≡	⊃		⊃⊥	
Full Web	A3x16p	A5x2x32p		A4x32p	

O U T L I N E



Note:
Copyright © 2016 Komori Corporation. All rights reserved. All specifications stated herein are current as of March, 2016. Maximum printing speed may differ from specification herein. Komori reserves the right to change specifications on machines without notice and without obligation to modify equipment previously manufactured. Because of changes in design, specification, or optional attachments and accessories, the machine actually delivered may differ in appearance and performance from that shown in this brochure.

The trademarks and logos of Komori Corporation or others used on this brochure are the property of Komori Corporation or their respective owners. You may not use, and nothing contained on this brochure grants by implication, waiver, estoppel or otherwise, any right to use any trademark displayed on the brochure without the written permission of Komori Corporation or the respective owner.