

**Press Release**

February 29th, 2012



print media messe  
**drupa 2012**

**The 15th Print Media Messe**

**The KOMORI theme for drupa 2012**  
**KOMORI OnDemand**

May 3rd to 16th, 2012

Düsseldorf Trade Fair Center, Hall 15 / Stand D04-1, D04-2

**Komori Corporation**

**Media Contact:**

Karin van den Heuvel, Marketing Manager Europe, Komori International (Europe)

Phone: +31(0)30 248 28 69 / Mobile: +31(0)6 22 05 53 53 / e-mail: [k.vandenheuvel@komori.eu](mailto:k.vandenheuvel@komori.eu)

Peter Minis, Product Specialist, Komori International (Europe)

Phone: +31(0)30 248 2812 / Mobile: +31(0)6 21 82 13 61 / e-mail: [p.minis@komori.eu](mailto:p.minis@komori.eu)



## Greeting

I wish to offer my greetings to all members of the global printing industry and express my gratitude for your support and patronage.

The world economy has become noticeably cloudier. After the worldwide recession, although economic activity in the newly emerging economies became more brisk, a cloud over China – the market showing the greatest growth – began to come into view in the second half of last year. Among the advanced economies, fiscal and monetary uncertainties are increasing in the Euro zone. The Japanese economy was dealt a heavy blow by the Great East Japan Earthquake in the first half of last year, and while the economy tended to recover thereafter due to earthquake reconstruction demand, when demand paused, it was forecast that the economic slowdown would intensify due to the economic deceleration in the US and Europe, the rising value of the yen, and the worldwide sluggishness of IT demand. Regarding foreign exchange trends, the underlying tone toward a higher yen is still unchanged and there are a great many destabilizing elements, so it is predicted that export industries will continue to face extremely severe business conditions.

The printing industry is being affected by the business stagnation, particularly in the advanced economies such as Japan, the US and Europe. The printing industry, exposed to severe waves of environmental change such as the change from paper to electronic media, stands at a great turning point. In addition, it is forecast that conventional printing will shrink further in the future while the trend is for digital printing and supplementary services to grow much more. In this environment, the printing industry must deepen its relationship with IT technologies, promote new forms of business, and revolutionize its profit structure.

At Komori Corporation, amid these very difficult economic conditions and industry trends, rather than just following change we are working with renewed determination to advance innovations that will trigger transformation.

In 2012, we at Komori Corporation are pushing ahead as a 'PRINT ENGINEERING SERVICE PROVIDER' and aiming to improve the profit structure of the entire printing industry by strengthening our cooperation with the printing industry and striving for the convenience of customers. By providing solutions for this purpose, we will move toward becoming a 'customer kando enterprise' based on customers and Komori continuing to develop together.

drupa 2012 – The 15th International Exhibition of the Printing, Paper and Packaging Industry – will be held in Düsseldorf, Germany from May 3rd (Thursday) to May 16th (Wednesday), 2012.

At drupa, one of the four major international exhibitions (IGAS, drupa, PRINT, IPEX) held once every four years and known as the world's largest show of printing machinery and materials where many of the latest technologies are announced, Komori will maintain the largest stand of all Japanese press manufacturers and present 'OffsetOnDemand' solutions incorporating the latest technologies on the theme of 'KOMORI OnDemand', with offset printing as the core, performing efficiently in concert with digital printing and postpress in a large number of demonstrations using many printing presses. We are confident that everyone will take home ideal solutions and new ideas that will prove to be of great benefit.

We do hope that you will be able to come to this exciting show.

Yoshiharu Komori  
Chairman, President and CEO  
Komori Corporation

## **PRESS RELEASE: KOMORI drupa 2012 Theme**

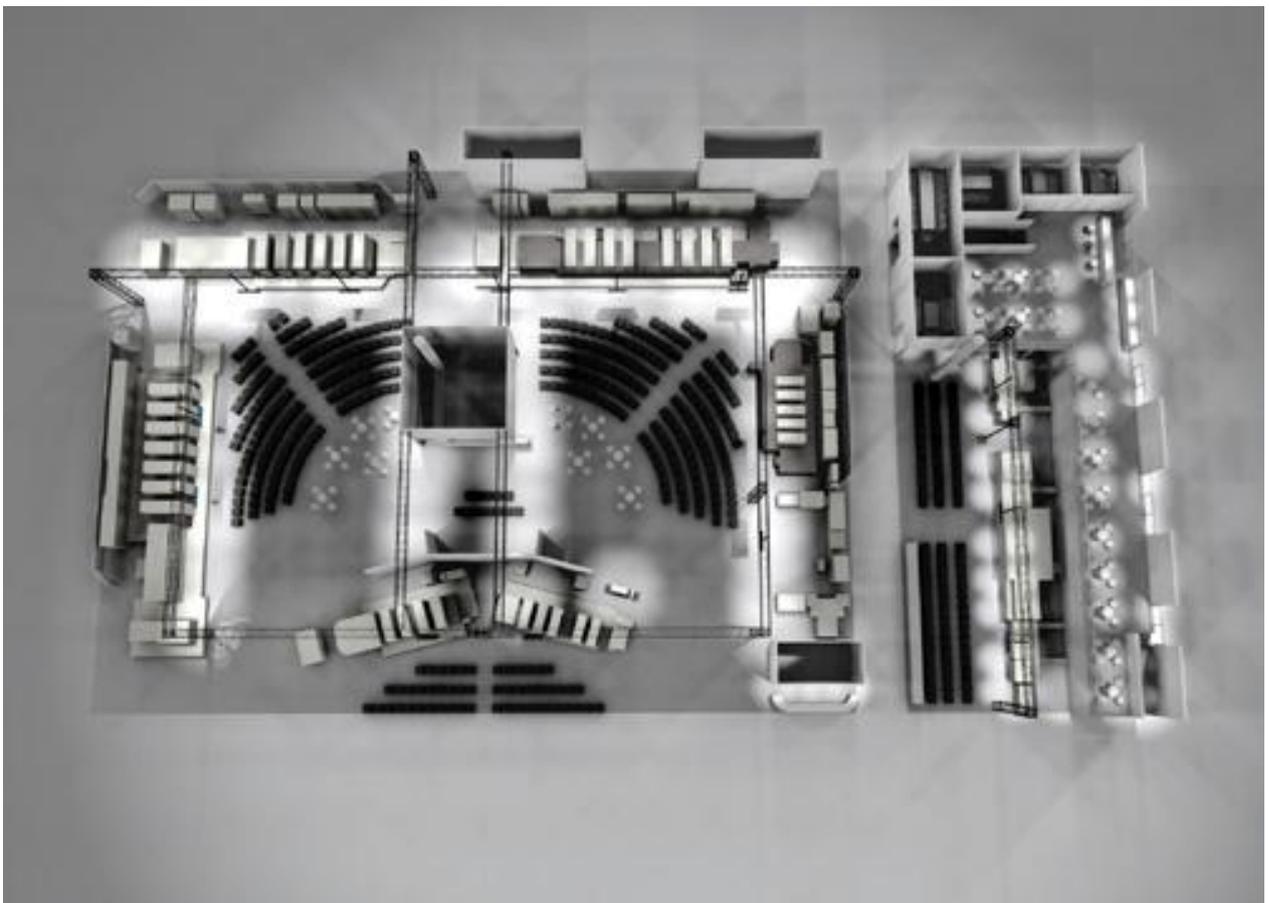
### **“KOMORI OnDemand”**

Komori believes that our mission is to deliver better products and services to our customers, and we are energetically carrying out activities for not only the development of new products but also for preventive maintenance and environmental protection.

At drupa 2012, we will roll out Komori solutions that include new digital printing technologies based on the theme of ‘KOMORI OnDemand’ and seven sub-themes and present concrete solutions to customers.

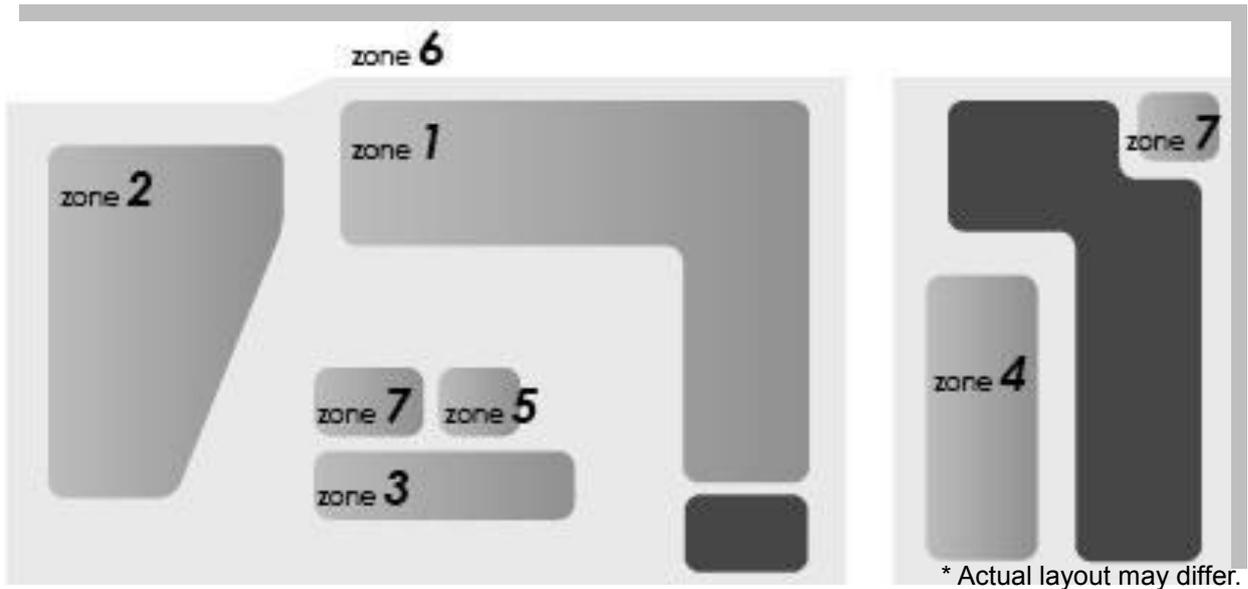
1. OffsetOnDemand Solutions
2. Package Print Solutions
3. Efficient and Multi-flexible Print Solutions
4. DigitalOnDemand Solutions
5. KOMORI Assistance
6. KOMORI Ecology
7. KOMORI Web, Chambon and Security Printing

### **Komori Stand Perspective**



\* Actual layout may differ.

## Stand Layout



zone 1	OffsetOnDemand Solutions
zone 2	Package Print Solutions
zone 3	Efficient and Multi-flexible Print Solutions
zone 4	DigitalOnDemand Solutions
zone 5	KOMORI Assistance
zone 6	KOMORI Ecology
zone 7	KOMORI Web, Chambon and Security Printing

## = Products on demonstration=

LITHRONE G40P	Eight-color H-UV-equipped 40-inch convertible perfecting sheetfed offset press (GL-840P + H-UV)
LITHRONE S29	Five-color H-UV-equipped 29-inch sheetfed offset press (LS-529 + H-UV)
<b>NEW</b> LITHRONE GX40 Carton	Six-color H-UV-equipped 40-inch sheetfed offset press with coater for carton printing (GLX-640 + C + H-UV)
LITHRONE G40	Five-color IR-equipped 40-inch sheetfed offset press with coater (GL-540 + C + IR)
<b>NEW</b> LITHRONE A37	Four-color 37-inch sheetfed offset press (LA-437)
ENTHRONE 29P	Five-color 29-inch convertible perfecting sheetfed offset press (E-529P)
<a href="#">Technology Exhibit</a> To Be announced later	Four-color 20-inch webfed inkjet digital printing machine
<a href="#">Technology Exhibit</a> To Be announced later	Four-color 29-inch sheetfed inkjet digital printing machine
<b>NEW</b> To Be announced later	Full color digital printing machine

## **= Outline of Theatres =**

### **OffsetOnDemand Solutions**

Visitors will see a demonstration of OffsetOnDemand by a combination of the Lithrone G40P (eight-color H-UV-equipped 40-inch convertible perfecting sheetfed offset press), a machine widely proven in many installations, the Lithrone S29 (five-color H-UV-equipped 29-inch sheetfed offset press), postpress systems, the Komori Color Management System, and a digital printing system.

'OffsetOnDemand' is a system that handles short runs and tight delivery schedules by cutting print preparation time, paper losses, and the time needed for all printing processes while retaining both the high print quality and high productivity that are the outstanding features of offset presses, by means of introducing a module that covers the prepress and postpress processes of offset printing and incorporates the latest digital printing technologies.

The core technology is Komori's advanced H-UV curing system, which uses a new UV lamp developed with Komori know-how and high-sensitivity UV ink. Using a single lamp for each side of the sheets, this system ensures high print quality and reliability in addition to offering economic and ecological advantages.

### **Package Print Solutions**

The new Lithrone GX40 Carton (six-color H-UV-equipped 40-inch sheetfed offset press with coater for carton printing) – the ideal machine for package and special printing applications. In the demonstration, wide-range printability with H-UV on heavy stock and special substrates will be shown and many case studies of UV package printing will be introduced. This machine will feature special specifications, such as a high-resolution inspection system that is exceptionally beneficial when printing on expensive heavy stock and a roller conveyor system that facilitates the transport of heavy stock.

With an additional Lithrone G40 (five-color IR-equipped 40-inch sheetfed offset press with coater), the ultimate high quality of printing and coating on sheets ranging from thin to thick will be shown through the combination of conventional ink and aqueous coating and the outstanding basic performance of the Lithrone G40.

### **Efficient and Multi-flexible Print Solutions**

A new series of presses has joined the Lithrone lineup. Geared to the A1 market, the Lithrone A37 (four-color 37-inch sheetfed offset press), packed with the basic technologies and high basic performance of the Lithrone Series, will make its debut at drupa.

Also making its drupa debut, and representing the Enthroned Series presses is the Enthroned 29P (five-color 29-inch convertible perfecting sheetfed offset press). These two models are exceptionally easy-to-use presses that provide high print quality and performance.

## **DigitalOnDemand Solutions**

At this drupa, Komori will make a major step into an entirely new field. A POD system (print-on demand-system) was exhibited as an OffsetOnDemand module at IGAS 2011, introducing the cooperation of digital with offset. At drupa, a POD system will be shown as one part of OffsetOnDemand. Moreover, two new prototype digital printing machines will be exhibited – one is sheetfed while the other is webfed. Detailed information will be available on Komori's drupa stand.

## **KOMORI Assistance**

Assistance by KOMORI Service, ***Service that Satisfies Our Customers***

At drupa, the current status of Komori's global service will be shown. Retrofit products that improve the performance of users' existing presses and service support such as Komori's acclaimed preventive maintenance will be introduced in detail.

## **KOMORI Ecology**

At Komori, 'green' symbolizes the co-existence of people, the environment, and nature. A mutually beneficial balance among these three elements ensures a bright future — this is the thinking behind Komori's green concept. Based on this green concept, Komori strives for balance among people, the environment and machines and also develops eco-friendly printing presses. Displays at drupa illustrate Komori's engagement with the environment by showing the actual status of the production environment and products.

## **KOMORI Web, Chambon and Security Printing**

### Web Press Corner

Komori's System Series of web offset presses are renowned throughout the world market. At the exhibition, videos that document case studies of users who have installed these presses as well as the latest technologies will be shown, and a variety of printing samples will be presented.

### Chambon Corner

A panel display will provide details of the inline presses for packaging that are produced by Komori-Chambon in France.

### Security Printing Room

Banknotes issued by the Bank of Japan, which are printed on Komori printing presses, have a reputation throughout the global finance industry as being the most difficult currency in the world to counterfeit. Komori currency and security presses are exported to many countries.

A special room for business discussion will be provided, and Komori staff will be ready to accommodate the inquiries of interested customers.

### Print Gallery

At drupa, a combined print gallery will be provided through a wide range of printing samples posted on the walls of the Komori stand and in the hospitality area together with special samples displayed in the DigitalOnDemand corner. We hope you take a good look at these items.

## = Exhibition Machines and Demonstrations in Each Theatre =

### OffsetOnDemand Solutions

The combination of high-speed print start-up that attains color within 20 sheets by means of the highly evolved KHS-AI integrated control system and the fast drying facilitated by the H-UV system, allows printed work to be passed immediately to the postpress department for finishing processes as soon as printing is complete.

Color management is another essential component of OffsetOnDemand. Through co-ordination of the two presses with the K-ColorSimulator, the Komori color management system which was introduced at IGAS 2011, color matching of the printed sheet with the output of a POD system based on the profile of the offset printing press and a digital proof will be shown. Follow-on printing will be performed by the POD system on the blanks of a page printed by the offset press, and this will be included in the final finished product. Printed spreads will allow the comparison of offset and POD print quality and will show the actual state of color matching.

#### ➤ LITHRONE G40P

(Eight-color H-UV-equipped 40-inch convertible perfecting sheetfed offset press / GL-840P + H-UV)

#### Specifications

Model	GL-840P
Number of colors	8
Max. printing speed	sph 15,000
Max. sheet size	mm 720 x 1,030
Min. sheet size	mm 360 x 520
Max. printing area: Single-sided	mm 710 x 1,020
Max. printing area: Double-sided	mm 700 x 1,020
Sheet thickness range	mm 0.04~0.3 0.06~0.6
Plate size	mm 800 x 1,030

#### Optional Specifications

- A-APC (Asynchronous Automatic Plate Changing System)  
New plate-changing system that changes all plates within 75 sec regardless of the number of colors.
- PQA-S (Print Quality Assessment System for Sheetfed)  
System that not only simultaneously monitors quality on the front and back sides of the sheets but also enables in-line density control by scanning the color bar.
- PDC-SX (Print Density Control - SX model)  
Moves vertically and automatically detects the color bar located at any position on the sheet. Measures densities and colors and also detects and controls register error by utilizing a special mark.
- KID (Komori Info-Service Display)

Large multi-information display system that displays monitoring information during printing and also displays data from the devices noted above as well as video images from cameras installed inside the press.

➤ **LITHRONE S29**

(Five-color H-UV-equipped 29-inch sheetfed offset press / LS-529 + H-UV)

**Specifications**

Model	LS-529	
Number of colors	5	
Max. printing speed	sph	16,000
Max. sheet size	mm	530 x 750
Min. sheet size	mm	200 x 280
Max. printing area	mm	520 x 740
Sheet thickness range (Option)	mm	0.04~0.3 (0.04~0.8)
Plate size	mm	605 x 760

**Optional Specifications**

- Full-APC (Fully Automatic Plate Changing System)
- PDC-SII (Print Density Control - SII model)
- KID (Komori Info-Service Display)

**Package Print Solutions**

The Lithrone GX40 Carton with coater – the new machine that is perfect for printing on heavy stock. The demonstration will show printability on heavy stock and special substrates by H-UV and job changeover, including the coater, in high added value printing. This machine is equipped with a Fully Automatic Plate-Changing System (Full-APC) that performs sequence control to enable the fastest possible plate change, as well as a high-resolution type PQA-S that uses a two-camera system for the detection of print defects, which is a high priority in package printing. The PDC-SX on the operation console is capable of measuring special colors, which are frequently used in package production, and enables the inspection and maintenance of high print quality. The press will also have special specifications for heavy stock, such as Komori’s Non-Stop Delivery System and the Roller Conveyor System for paper transport.

Another coater-equipped Lithrone G40 will be used in a presentation aimed at providing a clear understanding of the performance of the press itself. In this demonstration, the high quality of printing and coating on both light and heavy stock will be shown with job changeovers using a combination of conventional ink and aqueous coating.

➤ **LITHRONE GX40 Carton** NEW

Six-color H-UV-equipped 40-inch sheetfed offset press with coater for carton printing / GLX-640 + C + H-UV)

## Specifications

Model		GLX-640
Number of colors		6
Max. printing speed	sph	16,500
Max. sheet size	mm	750 x 1,050
Min. sheet size	mm	360 x 520
Max. printing area	mm	740 x 1,040
Sheet thickness range	mm	0.2~1.0
Plate size	mm	811 x 1,055

## Optional Specifications

- Full-APC (Fully Automatic Plate Changing System)
- Non-Stop Delivery / Cow Catcher
- PQA-S (In-line Print Quality Assessment System for Sheetfed)  
This system is equipped with two cameras that significantly enhance print quality inspection accuracy. Since inspection quality is given priority, this model does not have a density control function. ( Should this be said??)
- PDC-SX (Print Density Control – SX model)
- KID (Komori Info-Service Display)

## ➤ LITHRONE G40

(Five-color IR-equipped 40-inch sheetfed offset press with coater / GL-540 + C + IR)

## Specifications

Model		GL-540
Number of colors		5
Max. printing speed	sph	16,500
Max. sheet size	mm	720 x 1,030
Min. sheet size	mm	360 x 520
Max. printing area	mm	710 x 1,020
Sheet thickness range (Option)	mm	0.04~0.8 (0.06~1.0)
Plate size	mm	800 x 1,030

## Optional Specifications

- Full-APC (Fully Automatic Plate Changing System)
- PDC-SX (Print Density Control – SX model)
- KID (Komori Info-Service Display)

## Efficient and Multi-flexible Print Solutions

A new series of presses has joined the Lithrone lineup. Geared to the A1 market, the **Lithrone A37** will make its debut at drupa. This high performance, cost effective machine is designed to be a pressroom workhorse and comes equipped with Komori's basic Lithrone S Series features.

The **Enthroned 29P** in a five-color perfecter configuration is being unveiled for the first time at drupa 2012. The Enthroned is well suited to production of a wide range of work in short runs with stable print quality. And with its ergonomic stepless operator-side design and small footprint, the Enthroned 29 fits easily in any installation space. A machine offering working efficiency that ensures higher margins and solid growth.

By performing changeover between light and heavy stocks on both machines, the demonstration will exhibit printing efficiency, the ability to handle a wide range of work, and high print quality.

### ➤ LITHRONE A37 **NEW**

(Four-color 37-inch sheetfed offset press / LA-437)

#### Specifications

Model	LA-437
Number of colors	4
Max. printing speed	sph 13,000
Max. sheet size	mm 640 x 940
Min. sheet size	mm 297 x 420
Max. printing area	mm 620 x 930
Sheet thickness range	mm 0.04~0.6
Plate size	mm 700 x 945

#### Optional Specifications

- PDC-LITE II (Scanning Density Control System)

### ➤ ENTHRONE 29P

(Five-color 29-inch convertible perfecting sheetfed offset press / E-529P)

#### Specifications

Model	E-529P
Number of colors	5
Max. printing speed: Single-sided	sph 13,000
Max. printing speed: Double-sided	sph 11,000
Max. sheet size	mm 530 x 750
Min. sheet size: Single-sided	mm 200 x 280
Min. sheet size: Double-sided	mm 280 x 305
Max. printing area: Single-sided (Option)	mm 520 x 740 (520 x 736)
Max. printing area: Double-sided (Option)	mm 510 x 740 (510 x 736)
Sheet thickness range: Single-side	mm 0.04~0.45
Sheet thickness range: Double-side	mm 0.04~0.30
Plate size	mm 605 x 765

### Optional Specifications

- Semi-APC (Semi-Automatic Plate Changing System)
- PDC-SE (Print Density Control - SE model)

### DigitalOnDemand Solutions

Two prototype machines, a newly developed four-color webfed inkjet digital printing machine and a four-color sheetfed inkjet digital printing machine, will be exhibited at drupa for the first time as new Komori solutions. In addition, a full color digital printing machine will be shown for the first time as a POD system, presenting in the demonstration the potential for synergy with a sheetfed offset press as one part of the OffsetOnDemand solutions.

- Four-color 20-inch webfed inkjet digital printing machine [Technology Exhibit](#)

\*Product Name To Be Announced Later

#### Specifications

Maximum resolution	1,200 dpi (switchable with a 3-mode system)
Maximum printing speed	150 m/min. (switchable with a 3-mode system)

- Four-color 29-inch sheetfed inkjet digital printing machine [Technology Exhibit](#)

\*Product Name To Be Announced Later

#### Specifications

Maximum resolution	1,200 dpi
Maximum printing speed	3,300 sph

- Full color digital printing machine [NEW](#)

\*Product Name To Be Announced Later

\*OEM Product as Konica Minolta bizhub PRESS C8000.

---