

News Release

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**With the “Open New Pages” theme,  
Komori Corporation ends successful drupa 2016**

Komori Corporation (Sumida-ku, Tokyo; President, Representative Director and COO: Satoshi Mochida) exhibit at drupa 2016. The following is the report of the results of the exhibit.

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A comprehensive international exhibition of printing equipment and materials with many accomplishments in the more than 50 years since it was first held in 1951, drupa 2016 – the 16th in its long history – was held for eleven days beginning on May 31st and ending on June 10th.

Komori provides new value and solutions born from extending the new potential of printing together with customers through all products – not only offset presses but also digital printing systems, postpress machinery, printed electronics, materials and equipment – and also connecting all things and functions. Targeting richer print communications, we presented proactive demonstrations. As a result, we attracted high interest and attention from many users in a range of machines and systems, and a large number of visitors came to the Komori booth during the exhibition.

In offset presses, from the Lithrone GX40RP, which attracted great attention due to its double-sided printing with single-sided gripper configuration, to the Lithrone G29, the half-size press incorporating a full model change, we demonstrated based on our themes – slashed makeready time in multiple machine sizes, full automation and strengthened quality inspection systems. Many customers came to the booth every day and a large number of orders were received from around the world, including Europe, the U.S. and Asia.

In digital printing systems, the Impremia IS29, which began regular sales at this drupa, was applauded by many digital printers for its ability to print on any stock without precoating. It attracted great interest not only in Europe and the U.S. but also particularly in Greater China. Artron, which is expanding its business in this region, expressed admiration for the excellence of the quality, which exceeded its conception, and the reliability of Komori machines. It indicated that it would invest in multiple Impremia IS29s.

In addition, the Impremia NS40, equipped with the Nanographic® printing system, which was shown in a technical exhibit, surprised many customers, giving them expectations for the future, due to its offset-level quality, speed and distinctive wide color gamut. Komori garnered a greater number of letters of inquiry than we anticipated, starting with 4Over, a prominent U.S. printer. drupa 2016 wound up as a tremendous success for Komori, including in sales.

An outline of the Komori exhibit is provided in the following.

At drupa 2016, Komori exhibited under the theme ‘Open New Pages’, the same as IGAS 2015, and the subtheme ‘Connected Print’.

The exhibit machines consisted of four sheetfed offset printing presses (all

were H-UV machines and one of these was an H-UV L (LED) machine), including two totally new products. In addition, the Impremia IS29 sheetfed UV inkjet digital printing system, the Impremia NS40 sheetfed Nanographic Printing® system, and the Apressia CT137 cutter were exhibited.

## ■ Connected Print with ICT

Komori ICT (Information and Communications Technology) Solutions is the general name for solutions to boost printer productivity that only Komori as a press manufacturer could deliver. These solutions use the latest ICT and connect print manufacturing processes to make them visible, automatic and labor saving. In the Komori stand, three objectives (print visualization, process management and workflow automation) that Komori's ICT Solutions can realize for print communications organizations were introduced with a demonstration movie.

## ■ Demonstrations

During the show, three demonstrations a day were run on the exhibit machines (except for the last day) based on the idea of next-generation 'Connected Print'. Total solutions that showed new value and potential by connecting offset and digital, hardware and software were proposed. In particular, the demonstration of the Impremia IS29 digital printing system that was launched at IGAS 2015 was remarkable. In addition, the Impremia NS40 new printing system that debuted at this drupa drew a lot of visitor attention. All demonstrations of the offset presses used the K-Supply ink that is optimized for Komori presses.

### 【Lithrone GX40】

In the demonstration of the H-UV-equipped LITHRONE GX40, the business model of food and garment packaging was presented by printing with instant curing at the 18,000 sph maximum printing speed. With the PDC-SX Spectral Print Density Control-SX and the PDF Comparator System, the power of quick start-up and high quality control that meet the demands of the ever-stricter packaging market was shown.

### 【Lithrone GX40RP】

The state-of-the-art Lithrone GX40RP has no perfecting mechanism so no margin is needed on the tail edge of the sheet. Because of the single-sided gripper configuration, paper costs can be minimized and stable, high-productivity one-pass double-sided printing at 18,000 sph is possible with

not only light but also heavy stock.

The demonstration showed the new technologies that enable high productivity, quick start-up and ultimate short makeready. Komori's Asynchronous Automatic Plate Changing system with parallel control that directs multiple press functions simultaneously – plate changing, blanket washing and KHS-AI ink settings – contributed to fast job changeover.

**【Lithrone G37】**

The new Lithrone G37 that debuted in Europe at this drupa can print 8-up A4 impositions. It enables a high-efficiency, low-cost production environment by saving space, saving energy, and cutting plate costs. The exhibition machine was equipped with H-UV L: LED , which has been added to the H-UV lineup. Perfect for a wide range of needs in publishing and commercial printing using either light or heavy stock due to printing with the instant curing system. In addition, it was equipped with the Full-APC fully automatic plate changer, the PDC-SG print density control system, and the PQA-S SG in-line color control system. These functions excel on small lots of many different items.

The Lithrone G37 showed work-and-turn printing at the 15,000 sph maximum printing speed in the demonstration. Because of H-UV L (LED), high-productivity short-run operation is possible even with a one-sided press.

**【Lithrone G29+Apressia CT137】**

A new product – the Lithrone G29 – was unveiled with a completely new design. The exhibition machine was configured with five colors, coater and extended delivery. The high productivity that comes from being equipped with the latest systems was demonstrated by H-UV printing using heavy and light stock.

This press maintains high print quality even at its maximum printing speed. PQA-S V5 has a 4K camera and provides in-line color control in addition to high-precision inspection. Quick checking of quality is performed by the PDC-SX Spectral Print Density Control-SX model and in-line color control by PQA-S V5 realizes high quality and productivity.

The new Lithrone G29 for printing on both light and heavy stock offers high added value printing thanks to a wide range of unit configurations. It makes possible a flexible production environment due to high quality and agility.

**【Impremia IS29】**

The Impremia IS29 is suitable for a wide range of stocks and sizes and enables printing on the same stocks with offset and inkjet without any precoating or special processing. It is also capable of single-sided or double-sided high quality printing.

The gripper-to-gripper paper transfer device ensures high register accuracy. The UV instant curing system makes possible one-pass double-sided printing. The work is sent to postpress right after printing. This enables small lots of

many different items and short turnarounds.

The business model put forward in the demonstration at this drupa was a printing company presenting a sales promotion idea for a fashion brand. A small number of copies of a catalog that is color matched with offset, a poster for a shop, and a premium paper folder were output. In addition, this demonstration featured color matching with the Lithrone GX40RP for commercial printing and printing of on-demand personalized packaging for package production.

## 【Impremia NS40】

Komori and Landa became strategic business partners in 2012 and are developing the revolutionary Nanographic Printing® System and printing process. At this drupa, the Impremia NS40 was exhibited with the five necessary conditions for digital printing — print quality, printing speed, cost per page, area coverage and the ability to print on any substrate.

In the first job, about 50 sheets of several different images were printed by variable output. The second job was continuous printing of a poster. These jobs were displayed on the screen. Even with variable output and a job changeover, this only took three minutes at the 6,500 sph maximum printing speed.

## ■K-Supply/Service Corner

At the exhibition site, products that contribute to energy saving on existing machines and in the plant, such as DC blowers and a real-time operations monitor (power consumption monitoring device), were shown.

Under the K-Supply brand name, Komori offers a lineup of special consumables, materials and equipment that are standard for Komori-made presses. K-Supply is not just consumables but also printing supplies developed with the Komori Graphic Technology Center (KGC) for high print quality and performance.

All exhibit presses used K-Supply ink. K-Supply ink is the Komori standard H-UV ink offering high-level hardness, print quality, versatility and economical performance.

## ■KOMORI Ecology Corner

'Building a mild, bright future where the balance is protected through the coexistence of everything' is the green concept that Komori promotes. The building of production environments that incorporate this green concept as well as the current state of product development were introduced in the corner.

## ■Web Offset/Chambon Corner

At drupa, we showed printing samples from the System G38, an H-UV-equipped web offset press, and comparison samples from an H-UV-equipped sheetfed press using the same image. Panels also introduced the in-line presses for packaging manufactured by Komori-Chambon and printing samples.

## ■Print Gallery

In the Print Gallery, samples of 3D lenticular and added value printing were displayed. The currency/security press corner was set up in the print gallery. The anticounterfeiting technologies, intaglio printing and samples of Komori currency/security presses that are in operation were introduced in panels. Additionally, the screen-printed printing samples of Seria Corporation, which is in charge of Komori's printed electronics and precision devices business, were shown.

Many visitors attended the Komori booth, and we were able to finish the exhibition with great success. We wish to express our thanks to everyone who came to drupa 2016 and look forward to seeing you all again at drupa 2020.