

News Release

May 30, 2018

IGAS 2018

Thursday, July 26 ~ Tuesday, July 31, 2018
Tokyo Big Sight, East Hall 1, E1-1

IGAS 2018
KOMORI Concept
INNOVATE TO CREATE



INNOVATE TO CREATE

Komori Corporation ((Sumida-ku, Tokyo; President, Representative Director and COO: Satoshi Mochida) will present solutions that create new value based on the concept INNOVATE TO CREATE at IGAS 2018, to be held for six days beginning Thursday, July 26, at Tokyo Big Sight.

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■ Greetings

Dear Sirs and Madams,

At IGAS 2018, to be held at Tokyo Big Sight from July 26 through July 31, 2018, Komori, who hosts the exhibition's largest booth, will introduce the concept INNOVATE TO CREATE and present solutions that create new value with customers through state-of-the-art technologies that will lead the way in the next generation of print.

Evolving into a Print Engineering Service Provider (PESP) supporting the solution of our customers' printing business, Komori will show technologies, products and systems for creating new added value such as Connected Automation to support IoT of the printing companies through KP-connect Pro connecting pre-press, press and post-press, Autopilot and Parallel Makeready, which are new offset technologies, Impremia IS29 B2 inkjet digital printing system and Apressia CTX fully automatic cutting system.

I look forward to seeing you at IGAS 2018.

Yours sincerely,

Satoshi Mochida

Representative Director, President and COO

Komori Corporation

May 30, 2018

■ Komori IGAS 2018 Concept: INNOVATE TO CREATE

Komori IGAS 2018 Concept: INNOVATE TO CREATE

From 'how to make' to 'what to create.'

What the printing industry needs now is a shift from manufacturing to creative.

Based on the concept INNOVATE TO CREATE, Komori will create new value with customers through state-of-the-art technologies that will lead the way in the next generation of print.

At IGAS 2018, Komori will present solutions that answer customer issues, starting with KP-Connect, currently connecting nearly 250 machines and provides visualization of production status such as operating conditions and operating totals.

In the demonstrations, we will show Connected Automation, which maximizes production efficiency by linking prepress, press and postpress using the evolved KP-Connect Pro as middleware that connects processes.

New offset technologies include Autopilot, an automatic operation system that provides nonstop printing from test printing to production printing, and Parallel Makeready that shortens preparation time by running the job changeover processes in parallel.

The Impremia IS29 B2 inkjet digital printing system prints directly on any paper and handles double-sided printing.

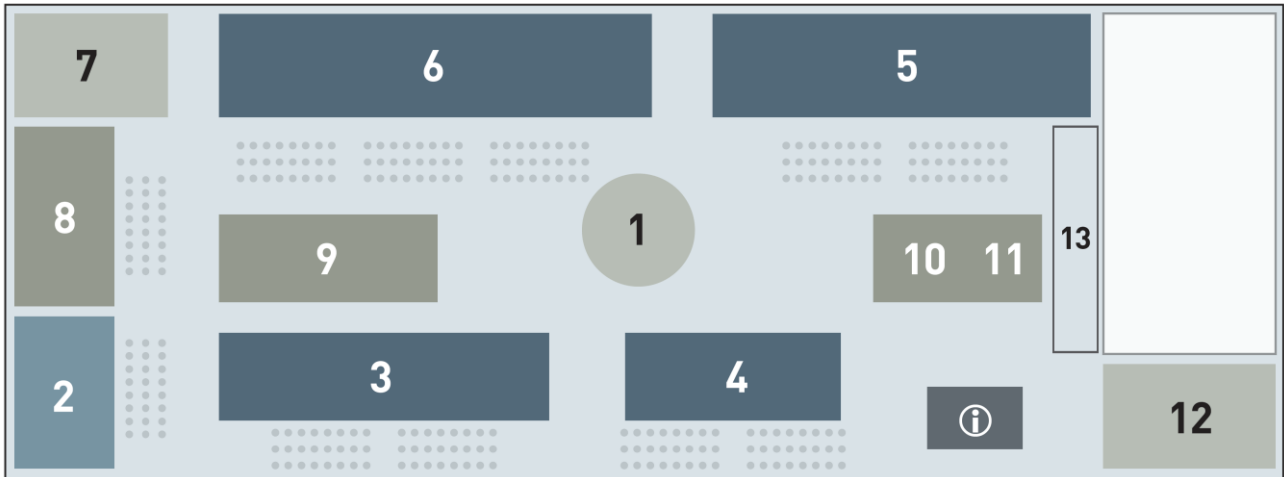
The Apressia CTX is a fully automatic cutting system that has received a tremendous response since its release.

By providing products for creating new added value, Komori partners with customers to solve problems, support business innovation and create a profitable future.

Innovate to Create

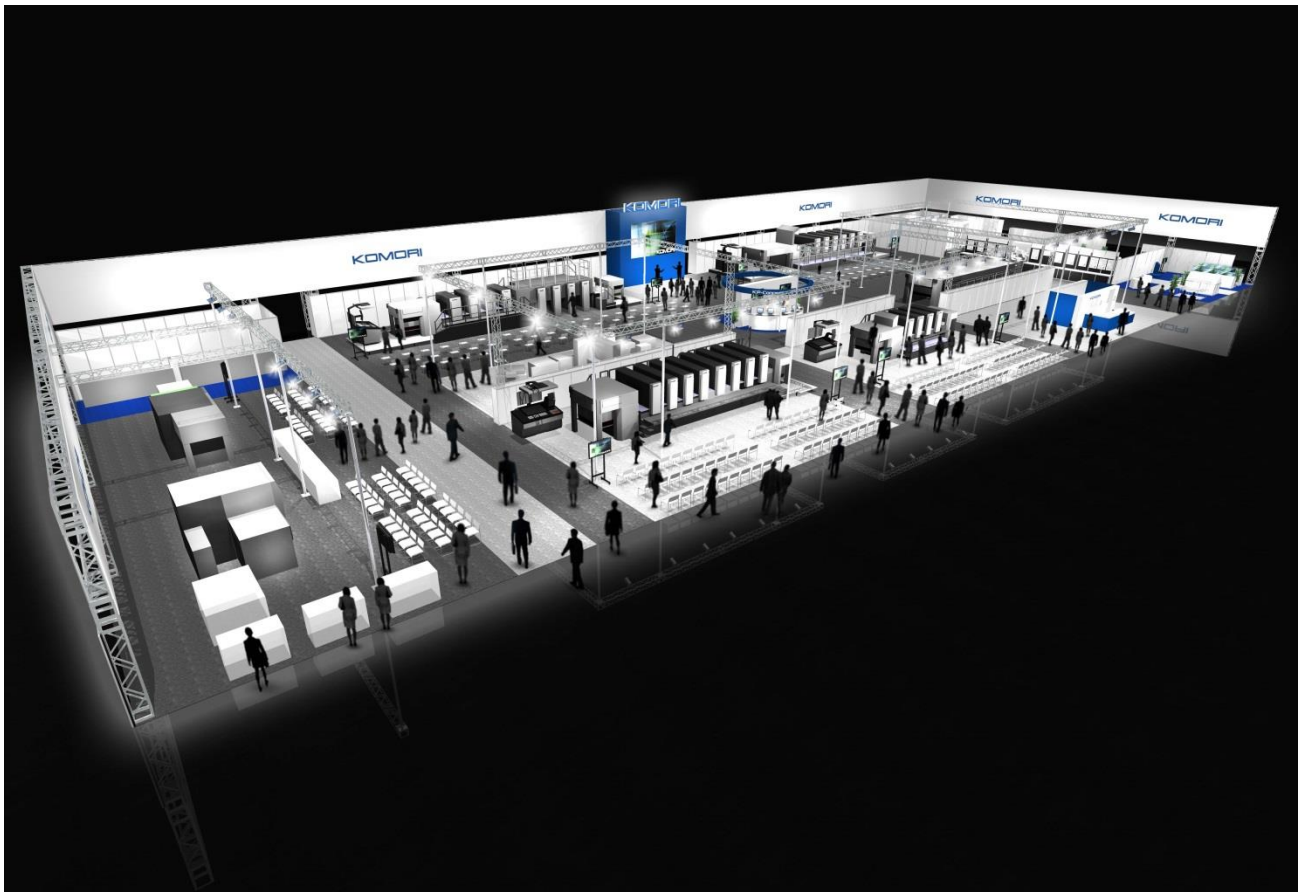
We're building a creative future with our customers.

■ KOMORI Booth



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Komori Solution Cloud</p> <p>2 Impremia IS29
29-inch Sheetfed UV Inkjet Digital Printing System</p> <p>3 LITHRONE G37P (GL-837P) NEW
H-UV L (LED)-equipped Eight-color 37" Convertible Perfecting Offset Printing Press</p> <p>4 LITHRONE G37 (GL-437) NEW
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* The booth layout and exhibit cont



■ Exhibit**KP-Connect Pro
Komori Solution Cloud**

KP-Connect Pro is middleware that connects processes, enabling digital control of all printing processes by means of a simple scheduler function and a function providing real time visualization of production results. At this IGAS, we will show the new concept of Connected Automation, which automatically links MIS, prepress, press and postpress by KP-Connect Pro and evolves printing companies into smart factories by means of digital process control and automation.

[Features]

- Automatic operation logging for all presses and finishing equipment
- iPad digital job ticket display and start-finish logging/compatible with barcode and 2D code
- Production status checking from anywhere over the cloud/realtime production status visualization by large-format signage
- Simple all-process scheduler/automatic press scheduling
- Reduced RIP work and plate output from printing process by connected automation with SCREEN EQUIOS
- Operation optimization for Komori offset presses by press automation
- Digitalization of finishing processes by postpress automation
- Building of open factory environment by collaboration with MIS, prepress and postpress manufacturers and vendors
- >KP-Connect Alliance Program

LITHRONE GX40

H-UV L (LED) -equipped Six-Color 40-inch Offset Printing Press with In-Line Coater

State-of-the-art 40-inch press for diverse applications, including package printing and special printing

Offering a wide sheet thickness range of 0.06–1.0 mm, this press provides very stable operation at the 18,000 sph maximum printing speed and high productivity thanks to excellent sheet feeding and delivery performance. Combining parallel control of the A-APC Asynchronous Automatic Plate Changer, blanket washing and roller cleaning with the latest KHS-AI V6 integrated control system, the Lithrone GX40 implements revolutionary Parallel Makeready that greatly reduces the operator workload, paper waste at print start-up and changeover makeready time. The exhibit machine is equipped with the functions optimal for board and package printing, the high sensitivity H-UV L (LED) UV curing system and ink mist and VOC recovery system for the ecosystem and the working environment.

·Anilox Changer

Dramatically improves ease of use when changing the quantity of coating, which is indispensable in high added value printing. The changer can be loaded with up to four anilox rollers. Automates the heavy roller changing work, significantly reduces the workload and improves the working environment.

·PDF Comparator System

The PDF Comparator System optional with PDC-SX provides powerful backup for print quality stability. Printed images are read by image sensors, enabling comparison with the PDF data used for plates. This enables checking for missing printed characters in the initial printing stage and the prevention of production losses and the outflow of defective sheets.

·Sheet Numbering System

Equipped with the Sheet Numbering System optional with PQA-S V5 Print Quality Assessment System for Sheetfed. The system prints a serial number above the feeder board, allowing checking for defects and waste sheets and contributing to strengthened quality control (traceability).

[Demonstration Highlights]

- High added value package printing on board
- High added value printing with H-UV L (LED) fast print drying as well as K-Supply coating and special inks
- Demonstration of quick changeover of package jobs, including changeover of special colors and anilox rollers
- Demonstration of PQA-S Print Quality Assessment System for Sheetfed and PDF Comparator System using processless plates
- Demonstration of printing process control by KP-Connect Pro

[Basic Specifications]

Model		GLX-640+C
Maximum printing speed	sph	18,000
Maximum sheet size	mm	750×1,050
Maximum printing area	mm	740×1,040
Sheet thickness range	mm	0.06~1.0
Plate size	mm	811×1,055

* The above explanation of specifications includes options.

LITHRONE GX40RP
H-UV L (LED) -equipped Eight-Color 40-inch Front/Reverse Multi-Color Offset Printing Press

Double-sided one-pass printing press perfectly matching market needs for short runs of many varied items

Dedicated double-sided printing press that combines an 18,000 sph maximum printing speed and the high sensitivity H-UV L (LED) UV curing system and delivers ultimate production efficiency.

Combining parallel control of the A-APC Asynchronous Automatic Plate Changer, blanket washing and pre-inking with the latest KHS-AI V6 integrated control system, the Lithrone GX40 implements revolutionary Parallel Makeready that greatly reduces the operator workload, paper waste at print start-up and changeover preparation time. Equipped with the PQA-S V5 Print Quality Assessment System for Sheetfed that is capable of print quality inspection, color control and automatic register adjustment, contributing to print quality stability by high level print quality control. PQA-S V5 automatically judges color and register at print start-up, making test printing much more efficient. Autopilot improves working efficiency without manual intervention and enables high productivity and quick turnaround for handling short runs. In addition, an ink mist removal device is equipped to help the environment.

[Demonstration Highlights]

- Automated printing of three jobs
- Fast print drying and high quality printing by H-UV L (LED)
- Demonstration of gang-run and catalog printing and Apressia CTX132 cutting system linked by JDF
- Demonstration of printing process control by KP-Connect Pro
- Demonstrations with K-Supply inks

[Basic Specifications]

Model		GLX-840RP
Maximum printing speed	sph	18,000
Maximum sheet size	mm	720×1,030
Maximum printing area	mm	710×1,020
Sheet thickness range	mm	0.04~0.5
Plate size	mm	800×1,030

* The above explanation of specifications includes options.

LITHRONE G37

H-UV -equipped Four-Color 37-inch Offset Printing Press H-UV

A1 size press that's compact and yet handles full-size work

The 37-inch press with a 640 x 940 mm maximum sheet size, allowing it to cope with full-size jobs. Equipped with H-UV curing for fast print drying, this press has the power to address the full span of requirements in the publishing and commercial printing segments on both light and heavy stocks. Since color management can be implemented by including a CMS color bar on the sheet margin even with 8-up A4 or U.S. letter size impositions, this machine is ideal for producing high page-count products with high print quality. Updated with an exterior having the same silver tone as the Lithrone G26/G29 that debuted at drupa 2016, at the exhibition we will show the Lithrone G37 reborn as a new model combining functionality and design.

[Demonstration Highlights]

- Work and turn printing of pamphlet on light stock using 4-up A3 imposition
- High quality single-sided printing on heavy stock
- Demonstration of high precision color control
- Fast print drying by H-UV curing and high quality printing
- Demonstration of printing process control by KP-Connect Pro
- Demonstrations with K-Supply inks and introduction of K-Supply products

[Basic Specifications]

Model		GL-437
Maximum printing speed	sph	15,000
Maximum sheet size	mm	640×940
Maximum printing area	mm	620×930
Sheet thickness range	mm	0.04~0.6
Plate size	mm	700×945

* The above explanation of specifications includes options.

LITHRONE G37P H-UV L (LED) -equipped Eight-Color 37-inch Convertible Perfecting Offset Printing Press

Equipped with a new perfecting mechanism and offering stable one-pass double-sided printing

The Lithrone G37 has been reborn as a new model combining functionality and design. And now an eight-color Lithrone G37P perfecter capable of one-pass double-sided printing has been added to the lineup.

The new Lithrone G37P perfecting mechanism has a rotating structure at the gripper that is gripping the tail edge of the sheet, and there are no gripper changes while perfecting, enabling stable front/back register precision. In addition, smearing and scratches caused by the rim unique to the perfecting cylinder are eliminated since the surface of the perfecting cylinder is flat, and high print quality can be achieved. The structure is simple, significantly improving durability and ease of maintenance.

With its compact body size, the Lithrone G37P expands the installation possibilities for users who had installation space issues. Capable of high-level laborsaving and high productivity, the press is the new standard machine.

[Demonstration Highlights]

- Fast drying by H-UV L (LED) curing, high print quality and perfecting printing
- Offset and digital color matching by K-ColorSimulator 2 easy color matching software
- JDF link with postpress equipment
- Demonstration of printing process control by KP-Connect Pro
- Demonstrations with K-Supply inks

[Basic Specifications]

Model		GL-837P
Maximum printing speed	sph	15,000
Maximum sheet size	mm	640×940
Maximum printing area	mm	620×930
Sheet thickness range	mm	0.04~0.45
Plate size	mm	700×945

* The above explanation of specifications includes options.

Impremia IS29 29-inch sheetfed UV inkjet digital printing system

Professional digital print production system delivering high print quality, high reliability and outstanding stability

Digital printing system offering high print quality with an output resolution of 1,200 x 1,200 dpi, the Impremia IS29 is capable of printing a completely different image on each sheet without using plates. Capable of printing on a wide range of papers, from light to heavy stocks, this machine can print on offset paper without any precoating. Equipped with a sheet perfecting mechanism that uses offset manufacturing technology and a UV inkjet system with LED-UV curing system, this superior digital production machine is able to perform one-pass double-sided printing with fast print drying that offers high front-back register precision.

In addition, the system can perform color matching with offset print by linkage with K-ColorSimulator 2*, implementing the ideal seamless combination of offset and digital equipment. Capable of not only short runs of many varied items and quick turnarounds but also high added value such as variable and wide color gamut printing, the Impremia IS29 is the solution for creating new value in your business.

[Demonstration Highlights]

- Color matching with offset printing of the same image on the same paper by K-ColorSimulator 2*
- Variable output of book-block style
- Wide color gamut printing with 4-color CMYK
- Printing on special substrates by UV inkjet with LED-UV curing
- Demonstration of printing process control by KP-Connect Pro
- Display of diverse printing samples
- Support for improved working efficiency by linkage with Digital Station
(Machine status, job progress checking and print quality support [Preview])

[Basic Specifications]

Output resolution	dpi	1,200×1,200
Printing speed	sph	3,000 (single-sided) 1,500 (double-sided)
Maximum sheet size	mm	585×750
Maximum printing area	mm	575 × 735 (single-sided) 575 × 730 (double-sided)
Sheet thickness range	mm	0.06–0.6 (single-sided), 0.06–0.45 (double-sided)

* Specification for Impremia IS29 (K-ColorSimulator IS-Connect)

Impremia C101
Full Color Digital Printing System

Digital printing system combining high print quality and high productivity

Offering a print resolution of 1,200 x 1,200 dpi and output speed of 100 sheets/min, the Impremia C101 handles a wide range of jobs with high print quality and image stability that approaches offset printing. Further, the Intelligent Quality Optimizer automates color control and register adjustment, thus shortening non-production adjustment time and improving productivity.

Komori benchmark high quality and performance deliver powerful support for on-demand printing needs.

[Demonstration Highlights]

- Prints on a wide range of papers, including thin, thick and long sheets
- Stable continuous printing by means of Intelligent Quality Optimizer
- Prints on heavy stock for package and POP work
- Color matching with offset by K-ColorSimulator 2

[Basic Specifications]

Output resolution	1,200dpi×1,200dpi
Printing speed	100 sheets/min
Maximum sheet size	330mm×487 mm
Minimum sheet size	100mm×140 mm
Maximum printing area	321mm×480 mm
Grammage	52g/m ² ~400g/m ²

Highcon EUCLID

Digital cutting and creasing system

Application versatility made possible by digital cutting and creasing

The Highcon® Euclid III replaces a complex, expensive and slow die-making and setup process, with an in-house controlled digital system, delivering improved responsiveness, design flexibility and enhanced efficiency. The Highcon Euclid III addresses today's operational challenges and answers tomorrow's growth needs by opening the door to countless new opportunities in high value applications and markets; from packaging and commercial print applications to Web-to-Pack and even 3D modeling.

[Features]

- Up to 1,500 sheets/hour
- Wide substrate range: label stock, cartonboard and microflute
- Compatible with existing workflows
- Variable Data Cutting (optional)
- Highcon Axis Web-to-Pack Package (optional)
- 3D Modeling Package (optional)
- Highcon Integrated Digital Stripping (optional)

[Basic Specifications]

Model		Highcon EUCLID
Maximum sheet size	mm	760×1,060
Minimum sheet size	mm	320×457
Maximum throughout	sph	1,500
Substrate		Cartonboard and labels 200-600 μ Microflute N+F+G Up to 1.2mm
Dimensions (L) × (W) × (H)	mm	8,600×2,100×2,300

Apressia CTX132 Programmable Hydraulic Clamp Cutting System

Komori High-end Cutting Systems Bring Sophisticated Automation and Labor Savings to the Cutting Process

The Komori Apressia series of after-processing machines now features a new lineup of high-end cutting systems linked with increasingly automated printing processes.

In addition to the latest safety measures, the Apressia CTX offers a wide assortment of peripheral equipment and cutting machine options to automate cutting, save labor and increase safety.

When striving for overall optimization of print production, after-processes often become bottlenecked.

Apressia CTX links smoothly with Komori's KP-Connect solution cloud and is compatible with CIP3/CIP4, allowing for process and progress management through to after-processes.

Customer solutions are also available to better optimize the cutting process, including peripheral equipment such as joggers and lifters, and options such as AWR (Auto Waste Removal), automatic cutting software and fully automatic paper alignment and conveyance systems.

Additionally, a wide lineup is available including leading CTX115 and CTX132 sizes.

[Features]

- Durable machine construction for precision cutting
- Diverse automation and labor-saving options
- CIP3/CIP4 compatible, KP-Connect linked
- Peripheral equipment to handle a variety of tasks

[Machine Specifications]

Model	Unit	Apressia CTX132
Table width	mm	2,610
Depth	mm	2,800
Height	mm	1,660
Soft clamp load	N(kgf)	300 (30.6)
Clamp load	N(kgf)	2,500~45,000 (255~4,589)
Cutting width	mm	1,320

Apressia DC105 40-inch Automatic Flatbed Die Cutting and Creasing Machine

Perfect machine for boosting packaging production efficiency. Apressia DC105 for outstanding cost-performance

The Apressia DC105 is the first platen-type die cutting machine focused on packaging solutions. A range of fine adjustment functions providing the specifications, performance and ease of use meeting packaging requirements as well as a nonstop splicing mechanism are standard equipment. Having outstanding production efficiency and cost-performance, the Apressia DC105 offers new added value in finishing work. The ideal basic machine for not only packaging printers but also those printers planning to get into packaging.

[Features]

- Equipped with stripping station: adopts the standard configuration of feeding/delivery, die cutting and stripping.
- Nonstop feeder/delivery: semi-automatic pallet change is standard function. Effective for long run and paper size changing.
- Motor-driven feeder pile lateral adjustment: Easy lateral position adjustment of heavy weighted papers in feeder pile, reducing the preparation time.
- Feeder pre-loader : Compact and fitted to feeder . Effective for large lots and paper changes.
- Individually adjustable four (4) front lays : Fine adjustment of front lay and side lay is centralized in the register section, improving ease of operation.
- High-rigidity cast platen rib structure: adopts new cast rib structure with innovative design, reduces cutting variation.
- Fine adjustment of base plate position: fine adjust screws are standard specification, reducing adjustment work for repeat plates.
- CE certified: conform for CE standards for die cutters.

[Machine Specifications]

Maximum speed	7,500sph
Maximum sheet size	1,050×750mm
Maximum die cutting size	1,040×720mm
Paper basis weight	90~600g/m ² (corrugated board up to B flute)
Dimensions of die cutting plate	1,090×743mm

Apressia MB110E High Performance Blanking System

Shifting from Manual to Automatic Operation through Komori Blanking Systems for Large-variety, Small-lot Printing

The Apressia MB110E mechanizes the blanking process, which is often handled manually, allowing for up to approximately 200 sheets (*1) to be simultaneously blanked per job. This helps to reduce labor spent on blanking – a process which, while repetitive, requires skill – allowing for easier creation of production plans through more stable production. Additionally, this reduces problems related to hiring operators during busy periods. Using the Apressia MB110E for production of packaging for goods such as food, cosmetics and medicines also improves sanitation, as products do not need to be touched directly by human hands. The Apressia MB110E can use line data from CAD or design stages to create blanking templates before the blanking process begins, minimizing job switching time and maximizing productivity for a range of jobs from small- to large-lot. Komori continues to create innovation in post-processes, promoting printing-focused total optimization.

*1 In the case of 0.4 mm paper thickness

[Features]

- Mechanized stripping for stable product quality
- Stable productivity through high precision for easier production planning and delivery date management
- Clean products and work environments through hands-o processing
- Facilitates small-lot, low-cost and high-productivity work
- Greatly reduces operator work load

[Machine Specifications]

Throughput	mm	Maximum 80
Compatible paper size	mm	Maximum 1,100 × 800, minimum 800 × 550 (option 550 × 400)
Blanking pins		10 mm diameter (top and bottom, 3,961 pins)
Dynamic load (press body)	kg	6,000
External dimensions (L) × (W) × (H)	mm	4,320 × 1,916 × 2,650

3. Corner Exhibits

dCL/Impremia C Series Corner (dCL: digital Creative Lounge)

The Tokyo and Osaka dCL facilities are permanent spaces where visitors can experience what types of products and business opportunities can be created using digital printing systems and peripheral equipment. At IGAS 2018, a dCL will be set up in the Komori booth, and a business model that uses a digital printing system and K-ColorSimulator 2 CMS software will be presented and color matching with offset printing will be demonstrated.

Komori-Kare Corner

Under the K-Supply brand name, Komori offers a lineup of special consumables, materials and equipment that are standard for Komori presses. K-Supply is not just consumables but also printing supplies for high print quality and performance developed with Komori Graphic Technology Center (KGC) knowhow. All exhibit presses will use K-Supply, and products such as K-Supply ink, dampening solution and blankets are standard Komori materials offering high-level print quality, versatility and economical performance ideal for H-UV printing.

At the exhibition site, new K-Supply products and service products based on three themes – productivity improvement, operation and performance enhancement, and energy saving and environmental solutions – will be shown. Proposals and products meeting the requests of customers, including case studies of retrofitting existing machines with the latest technologies, will be introduced.

KOMORI Ecology Corner

‘Building a mild, bright future where all is balanced each other through their coexistence is the green concept that Komori promotes. We will introduce the building of production environments that incorporate this green concept as well as the current state of product development.

Web Offset/Chambon Corner

Komori is developing measures to reduce web offset press energy consumption to the absolute minimum based on an ‘environmentally friendly’ theme. At this IGAS, we will introduce ways to greatly reduce wasteful electric power and gas, mainly options for eco friendly specifications that fit the era.

- Auto. Light turn off, Inner light comes on only when needed, reducing power consumption during standby
- Ink fountain rollers, dampening form rollers, and oil pumps running at minimum speed during stand by, for power saving
- Dryer exhausting blower with inverter control effective in gas consumption improvement
- Various energy saving options for dryers

Moreover, you will see the samples of special folds offering high added value, as well as the panels and samples of the packaging in-line presses manufactured by Komori-Chambon in France.

Currency Press Corner

Japanese banknotes printed on Komori currency printing presses are evaluated as the world's most difficult currency to counterfeit. Komori currency/security presses are also exported to many countries. At this show, you will see both front and back samples of full-size Komori original banknotes together with some explanation of the printing techniques as well as panels showing currency presses for overseas.

Seria Corner

In charge of Komori's printed electronics and precision devices business, Seria has a distinguished record in the electronic parts and screen-printing industries. The Komori booth will show screen-printed printing samples from the automotive, graphics and amusement markets.

Print Gallery

Many different printed pieces showing high added value. Display of various printed items offering a competitive edge, such as special printing methods and business model ideas. Printing methods and key points will be introduced.

In digital printing, actual samples from commercial and package printing around the world will be shown.

IGAS2018 KOMORI Special Website

<http://www.komori.com/show/igas2018/en/>

IGAS 2018: Count on seeing the best at the Komori booth. We look forward to seeing you.

LITHRONE GX40



GLX-640+C+H-UV L (LED)

LITHRONE GX40RP



GLX-840RP+H-UV L (LED)

LITHRONE G37



GL-437+H-UV

LITHRONE G37P



GL-837P+H-UV L (LED)

Impremia IS29



Highcon EUCLID



Impremia C101



Apressia CTX



Apressia DC105



Apressia MB110E



*Please note that exhibits are subject to change without prior notice depending on the circumstances.