

# S Series Technologies Brushed Up for Half Size

The new Lithrone S26/S29, the latest press for the half-size B2 market, offers a new size, new technology and a host of unique, new features on the technological base of the Lithrone S40.

New

## Lithrone S26/S29

10 jobs / 1 hour

### Lithrone S Series press in the 26/29-inch format

Komori is introducing a new printing press in a new size and incorporating new technologies. The Lithrone S26 (P) and Lithrone S29 (P), Komori's latest models in the half-size B2 26- and 29-inch formats, are first-of-type in several respects.

### Full-APC ready

First, these state-of-the-art sheetfed presses are the first full implementation of Komori's award-winning Lithrone S Series technologies and advanced design in the 26/29 inch market. Second, these new Lithrones are the first 26/29-inch presses designed to accommodate Full-APC (Fully Automatic Plate Changing) as optional equipment. And, third, they raise the standard for high print quality while offering the shortest makeready times ever recorded for a half-size sheetfed.

### First look for industry press

The new Lithrone S26/S29 was unveiled to printing industry journalists on a tour of Komori's new ultra-modern Tsukuba Plant in February and formally announced at press conferences in Tokyo and Utrecht, headquarters of Komori International. The machines will be exhibited at

four major printing expos this spring — Graphitec in Paris in March, IPEX in April, Grafitalia in Milan in May, and All in Print China in Shanghai in June.

Komori R&D focused on a design building on the success of the Lithrone 26/28 in more than 6,000 installations worldwide and integrating the technological advantages and design improvements of the Lithrone S Series presses. In addition, since the 26/29-inch format is often preferred for critical quality applications and special substrates, the Lithrone S26/S29 incorporates a range of crucial innovations aimed at higher print quality.

### Strong record of reliability

Since their introduction in 1983, the Lithrone 26/28 Series presses have gained a solid reputation throughout the industry for meeting real needs with the highest levels of print quality, reliability, and productivity.

The world's most advanced high technology machine — ideal for optimizing and raising the standards of printing — the 40-inch Lithrone S40 that debuted in 2002 was very quickly accepted as the solution to the digitalization of the printing industry. This revolutionary digital-ready press with its minimal environmental

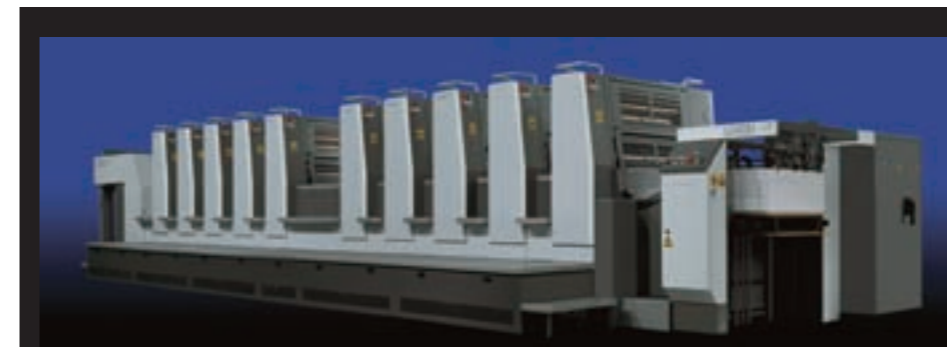
footprint has won a host of industrial and technology awards, including, in Japan, the Economy Minister's Grand Prix, the Good Design Award, and the Technology Prize of the Japan Federation of Printing Industries, the iF Design Award in Germany, and the GATF InterTech Technology Award in the U.S.

### Inheriting the LS-40 legacy

Heirs to the technologies of the Lithrone S40, the new Lithrone S26 and Lithrone S29 incorporate new technologies and mechanisms to serve as future-ready presses that are capable of meeting today's needs at a higher level.

Komori announced that it will begin taking orders in March.

Full-APC changes all four plates on the Lithrone S26/S29 in just two and a half minutes. Komori has pioneered in APC technologies ever since introducing the system in 1990.





# Tsukuba Plant Changeover: Now in Full Operation

## Tsukuba Plant

Sheetfed presses 40 inches and larger go into production at new facility, marking the start of a new age of flexible, efficient and smart manufacturing. R&D also moves to Tsukuba Science City.



Marking a major milestone in off-set press manufacturing, Komori's Tsukuba Plant began full operation on December 5, 2005. The start of full production at the plant coincides with the transfer of all manufacturing functions of the Toride Plant following the completion of Phase Two construction at Tsukuba.

Tsukuba Science City is a university-centered community about one hour from Tokyo in Ibaraki Prefecture, which is home to numerous research laboratories and science institutes. Komori's Tsukuba Plant encompasses factory, research and development facilities, demo room, training room, and employee welfare facilities in a complex with floorspace of 38,000 sq. meters on a 185,000 sq. meter site. The simple, sharp architectural design gives shape to Komori's world-class production and research and development.

The scale of this investment in a state-of-the-art plant and facilities is, of course, a landmark for the industry and an expression of Komori's bullish long-term outlook on printing.

### Plant concept

The Tsukuba Plant provides the most advanced production environment in the world, complete with facilities for accelerated research and development activities. Each process is individually certified, and full printing tests are carried out on each press before shipment. Komori has completely standardized each process, thus shortening manufacturing lead times. Utilizing an advanced information network and a just-in-time parts control system, the pace of develop-

ment, design, production and delivery has been ramped up. Efficiency has been significantly increased and waste has been eliminated.

### Environmentally progressive

The Tsukuba Plant addresses the issues of energy resources and harmony with the environment and community comprehensively. The plant reduces power consumption and CO<sub>2</sub> emissions with an electricity generation system that uses solar and wind power as well as a gas-powered air-conditioning system. Zero emissions programs are enhanced by a waste handling area with more than 20 recycling categories.

### Lithrone S40 and up

The Tsukuba Plant is now producing all Komori sheetfed presses in the 40-inch and larger size format. Prior to the final shift from Toride, these presses were manufactured at the Toride plant, then re-assembled at the Tsukuba Plant, tested, and shipped.

The new setup allows these presses to be produced more quickly and more efficiently. In addition, the Tsukuba Plant is expected to allow Komori to build higher levels of quality and reliability into its presses. The latest quality control practices, based on scientific analysis of each process, are being implemented.

In addition to production, the Tsukuba Plant will accommodate Komori's main research and development facilities. Siting the R&D facilities within easy reach of the production lines will yield important synergies and cross-fertilization in the years ahead.

Minimizing the environmental impact of all production activities is one of Komori's most basic concerns. The Tsukuba Plant incorporates wind (below) and solar power production as well as gas-powered air-conditioning. Extensive 'zero emissions' and recycling efforts are also in place to ensure the greenest manufacturing process in the industry.



AGV transport of cylinders and rollers for precision and efficiency.

