

Miyakoshi Full-Color Inkjet Printer for Flexible Packaging

MJP30AXF

Success Story

Kanaoka Gravure Co., Ltd. Reiwa Plant

A sustainable leap forward with Digital Printer Investment



Kanaoka Gravure Co., Ltd. Reiwa Plant

Mission: Decarbonization and labor shortage

Kanaoka Gravure Co., Ltd. is a subsidiary of Kanaoka well-known as one of the largest flexible packaging converters in Japan. Its new "Reiwa" plant was designed and constructed in harmony with Kanaoka's strategy to put sustainable converting systems into practice while at the same time properly dealing with labor shortage that the industry is facing recently. Miyakoshi's MJP30AXF is a key element in the plant supporting Kanaoka's strategic targets. **"Compared to conventional printing processes, MJP30AXF equipped with sophisticated digital technologies supports our efforts of decarbonization and can be operated without high skills."**, the interviewed plant manager Mr. Kase added "not only that, we were able to design our plant without explosion proof, which drastically reduced our construction costs as well as time to complete the project."

The Answer: Water-based Inkjet Printer

The age of global sustainability leaves Japan's flexible packaging industry with no exception, and it is imperative to take aggressive measures to reduce CO2 emission, packaging waste, and labor. As is well known in the industry, gravure printing emits large amount of CO2 in the process of collecting and burning VOC. The plastic waste reduction is another key factor in sustainability throughout the whole supply chain of packaging. Even prior to the age of sustainability, traditional printing process had suffered disadvantages in plate making, labor-intensive work environment, and long production lead time. Mr. Kase added as follows. **"Water-based inkjet printing is the answer. We can take care of decarbonization, and film waste in production, and lack of labor resources all at the same**



Water-based inkjet printer MJP30AXF for flexible packaging



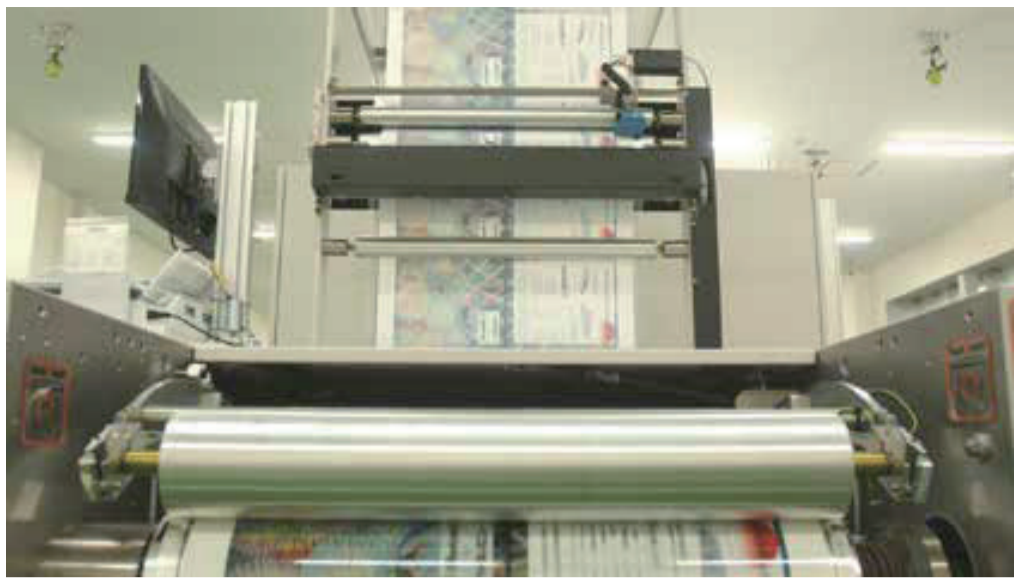
Reporting partner

Kanaoka Gravure Co., Ltd. Reiwa Plant
Masato Kase

"The conventional printing method depends heavily on human resources and operation skills, and therefore is foreseen to face labor shortage issues in the near future. On the other hand, digital presses can be operated by relatively lower-skilled operators. Also reduction in number of operators helps increase production efficiency."

Why Miyakoshi MJP30AXF?

While Miyakoshi is not well-known in the flexible packaging industry, there is a good reason why Kanaoka has chosen Miyakoshi MJP30AXF for the project. MJP30AXF is not just a water-based inkjet printer. Flexible packaging converting involves and is responsible for supporting the supply chain and infrastructure in many layers of business like brand owners, logistics, and consumers down the line . For Kanaoka, technical testing and development environment with Miyakoshi was a key factor in choosing the right partner. **"For supply of inkjet ink, Miyakoshi had chosen the large ink producer manufacturer who is also Kanaoka's supplier for gravure ink. Presence of long-term chain of trust as well as the development environment that comes with the relationship formed another important basis for our choice of the machine supplier. Thanks to the partnership, we have achieved MJP30AXF's print quality and repeatability as high as that of gravure printing. In addition, MJP30AXF's printing speed is higher than any other digital presses, and we are looking forward to running its potential into practise", continued Mr. Kase.**



"Best-mix, production" is the key

Miyakoshi believes that there is no doubt MJP30AXF's capabilities offer to satisfy the need to secure a technical balance in the flexible packaging converting. Mr. Kase concluded, **"Kanaoka will seek for so-called the best mixed production between the printing methods depending on the size of each job : Gravure method for large jobs with more intensive change-over load, and MJP30AXF for short jobs less than 4000 meter-long."**

Miyakoshi commits to continue the developments in business and technologies to support the flexible packaging industry as one of its key strategic markets.

Full-Color Inkjet Printer for Flexible Packaging MJP30AXF

Water-based inkjet press bringing a digital revolution to flexible packaging



Specification

Max film width	750mm
Max print width	790mm
Number of colour	5 colours(CMYK+WW)
Max print speed	50m/min
Print resolution	1200x1200dpi
Ink	Water-based pigment ink
Film thickness	12-40µm



Versioning print is fully supported by MJP30AXF

- Reduce inventory and production waste
- Digitally printed white for efficient high-quality colour reproduction
- Double white offers strong colour background
- Uses low-cost water-based pigment ink for food packaging



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