

# Komori DoNet: Digital Open Architecture Network

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Komori Corporation manufactures and sells printing equipment, primarily offset printing presses and precision printing machinery for currency and securities production. Offset presses are classified as either web offset presses or sheetfed presses, depending on the form of the stock. Komori has three plants in Japan and one plant in France. For sales and service, Komori has a network in Japan consisting of the Tokyo Head Office and branches in many Japanese cities. Internationally, Komori has subsidiaries for sales and service in the US, Netherlands, U.K., Italy, France, China, and Taiwan.

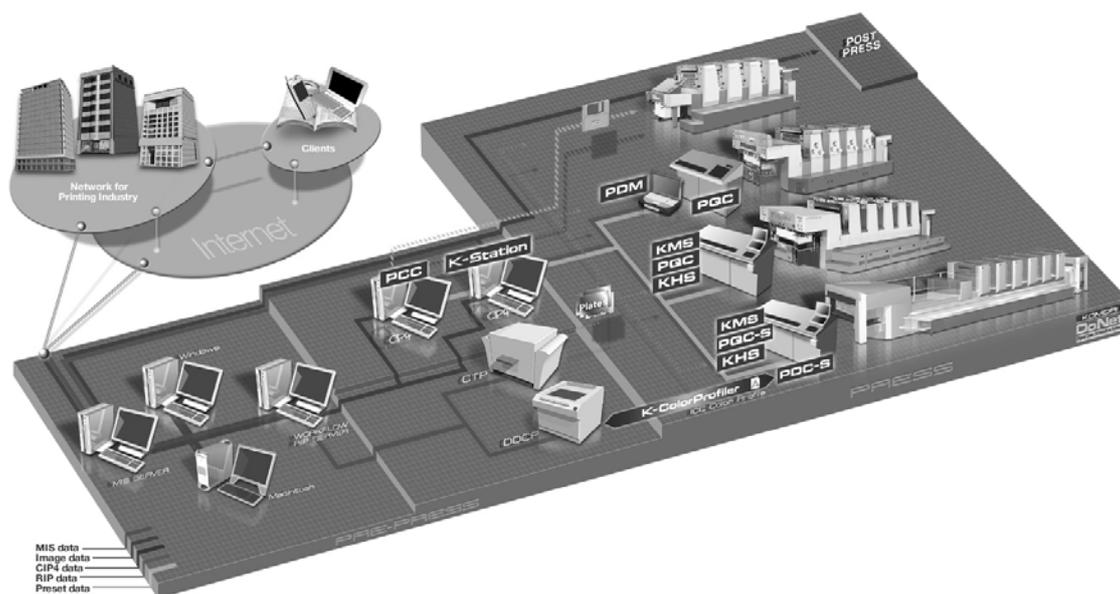
Komori presses are known for both flexibility and consistency as well as operating standardization and compatibility with digital control systems. Komori has developed a true digital workflow, with the press at the center of the digital network. Komori understands that such a network requires two elements: an open architecture that can expedite the smooth integration of new technologies, and support for a workflow that facilitates interactive communications, rather than just passing prepress printing data and the job ticket to the press. Komori's Digital Open Architecture Network, or DoNet, encompasses these two elements, making it the ideal network for forward-looking print production facilities. It integrates innovative technologies, including

the products of other makers, freeing the printer from the constraints of an environment that supports only the systems and devices of a particular manufacturer.

## Donet Underpins an Array of Advanced Komori Systems

KHS, the Komori High-performance System, is innovative press control technology for quick print start-up and reduced paper waste. PDC-S/Scanning SpectroDensitometer system reads color bar to control the color of prints. It also reads the K-Color chart on print and digital proofs, and then K-ColorProfiler software creates an industry-standard ICC profile to facilitate a 'press-centric' color-managed workflow. PCC/PQC-CIP4 Communicator software converts industry-standard CIP4 data to PQC ink key profile data for quick makeready. Press Station (PQC/Print Quality Control system with KMS/Komori Management System) functions as the 'control tower' for printing press. K-Station is the management system for multiple presses in printing plants.

These advanced systems work together over DoNet to create a high-productivity printing environment.



Komori has been a member of the CIP3 (now CIP4) consortium since 1995. Based on the PPF format, Komori developed PCC software and introduced it to the market in 1997. Now many PCCs are operating throughout the world, especially with CTP workflows. In 2000, CIP3 was changed to CIP4 and JDF was introduced. Komori started to develop JDF compliant

products in 2001 and demonstrated its preliminary version at GraphExpo 2002. Komori worked with Creo and Printcafe at that exhibition and plans to conduct field tests at an early stage in 2003. This development is still under way and some updates, including field test results, will be announced at IGAS 2003 in Tokyo.