

NEWS RELEASE

May 2, 2005
FOR IMMEDIATE RELEASE

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SINGLE-PASS PRINTING TRANSLATES TO DOUBLE-DIGIT PRODUCTIVITY

Mitsubishi Double Diamond Convertible Perfector Sets New Standard for Two-Sided Printing

LINCOLNSHIRE, Ill. — When it comes to short makeready times, predictable color matching and high productivity, the Mitsubishi Diamond 3000R Double Diamond convertible perfector gives printers a distinct competitive advantage. The high throughput, product versatility and wide choice of configurations available with the Double Diamond press open up incredible opportunities in the 40-inch market.

With automatically convertible perfecting up to 12 printing units plus double tower coaters, the Double Diamond provides ample flexibility to fulfill the gamut of commercial projects, including brochures, pamphlets, corporate reports and marketing materials. At the

same time, it is equally capable of satisfying the highest color-critical demands of ad agency, packaging and specialty work.

The Double Diamond perfecter represents the culmination of advanced technologies backed by more than a century of Mitsubishi engineering expertise. Built to exacting standards for stability and rigidity, the press answers the call for efficient production and labor-saving automation.

New benchmark in perfecting

In the perfecting mode, the Double Diamond can process the thinnest bible paper up to 12-point board at the rate of 11,000 sheets per hour. When converted to straight printing, the press easily handles print stocks up to a thickness of 24 points at 13,000 sheets per hour, more than sufficient to accommodate paper, board and a host of specialty substrates.

The Double Diamond establishes a new benchmark for one-pass productivity. Inline coaters before and after the perfecting unit enable printers to print and coat both sides of the sheet in a single pass. The first tower coater passes the sheet to a cylinder extension, which then transfers the dry sheet to the reversing unit. Once the sheet goes through the perfecting unit, the inking and coating processes are repeated.

Advanced features

The press comes standard with cutting-edge console technology for press presetting and control. The Centralized Operator MakeReady and Control (COMRAC) press control allows operators to control and monitor press functions from the computerized console. Classic

Mitsubishi features, such as sheet size presetting, impression pressure presetting, multimode dampening system and double-size impression and transfer cylinders, also are standard.

The press incorporates vacuum feeder belts and vacuum side guide, a high-speed impression cylinder On/Off device and Quick Start Inking. Ink fountains with removable trays facilitate quicker ink changes and easier cleanup.

Markless paper handling

The perfecting unit can be configured in between any two printing units. The three-cylinder sheet-reversing unit delivers smooth sheet transfer and extremely accurate front-to-back registration. A double-gripper mechanism ensures precise gripper-to-gripper transfer.

Double-size impression cylinders that do not pass the sheet to the transfer drums until the sheet is fully printed ensure high-quality printing. Specially designed ceramic jackets mounted on all impression cylinders after the perfecting unit prevent ink buildup and eliminate offset.

Air cushions under the transfer drums ensure contact-free transport of the sheets between printing units, effectively eliminating traditional marking problems. The air transfer system is automatically controlled from the COMRAC console. The device draws each sheet close to each unit's guide plate by negative air pressure, without allowing it to physically touch the plate's surface.

Furthermore, the Bernoulli air device in the delivery cushions the inked paper, safeguarding against marking problems and allowing heavy ink coverage.

Mitsubishi Diamond Series sheetfed presses are available in a range of sizes — from the 28-inch Diamond 1000 Series to the 56-inch Diamond 6000 Series — and configurations

up to 12 printing units. Fast job makeready, ease of operation and high throughput are hallmarks of the Diamond Series. Mitsubishi is at the forefront of the implementation of the Job Definition Format specification, and is working with other vendors toward full integration of Mitsubishi presses into a JDF-compliant workflow.

Mitsubishi Lithographic Presses (MLP U.S.A. Inc.) markets multicolor sheetfed and web lithographic presses manufactured by Mitsubishi Heavy Industries, Ltd. MLP U.S.A. provides complete sales, parts and service for the entire line of Mitsubishi presses. For more information, contact MLP U.S.A. at (847) 634-9100. Information also can be obtained by visiting the company's website at www.mlpusa.com.

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