

## **NEWS RELEASE**

May 2, 2005  
FOR IMMEDIATE RELEASE

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### **DIAMOND MAX SERIES COMMERCIAL WEB PRESSES REDUCE PAPER SPOILAGE, CUT MAKEREADY TIMES**

LINCOLNSHIRE, Ill. — More than ever, commercial web printers are demanding systems that maximize productivity and profitability. The Diamond MAX Series web presses epitomize Mitsubishi's commitment to improving printer performance.

MAX (short for Multiple Advantages and Expertise) captures the very essence of the Diamond family of web presses. The Diamond MAX Series currently includes the Diamond 16 MAX (38-inch, single-web, 16-page format), Diamond 32 MAX (four-around, four-across, 32-page format) and Diamond 48 MAX (four-around, six-across, 48-page format).

The Diamond MAX Series combines established printing technologies that have long benefited Mitsubishi web press users and newly developed mechanical and digital enhancements. Among the standard features of Diamond MAX web presses are shaftless drives, high-speed, semiautomatic plate changers, fully automatic folder changeover and MAX-Saver waste-reduction software.

MAX-Saver divides web press operation into a controllable series of steps. In addition to Quick Start Inking and Smart Print End, available with earlier Mitsubishi press models, new programs have been added to the MAX-Saver expert software platform (or MAX-Expert) to minimize makeready times and reduce paper spoilage.

- Pretension function applies a preset tension level to the web following plate changes and before the press starts a new print run. Stabilizing the web tension results in faster registration and cutoff and less paper waste.

- Blanket washer liquid reduction control directs the printing unit cylinders to turn at high speed before the print run begins, discharging washer liquids from the blanket cylinder gap.

- Blanket washing speed reduction control reduces web speed during blanket wash. Web speed does not track with the faster blanket cylinder speed, producing less paper waste. In the case of a one-minute blanket wash, paper waste can be reduced from 200 copies to about 70 copies.

- Stepped Acceleration Control reduces paper waste by accelerating the press speed in steps to maintain ink density and registration accuracy within a given range during ramping.

The MAX-Expert software package controls these press operations — starting with the removal of the existing job image from the inker while the press is ramping down at the end of the run, all the way through the printing of saleable copy on the next job. The reduction rate of waste copies varies according to print quality and blanket washing time. However, MAX-Saver has been shown to reduce paper waste by more than 40 percent.

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](http://www.mlpusa.com).

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