



Miyakoshi Printing Machinery. Co.,Ltd, the Japan`s leading manufacturer of high-performance printing presses, proudly delivers a series of narrow-web offset presses for label and labelling applications.



MAIN SPECIFICATIONS	MLP13	MLP16
Max. Paper Width	350.0 mm (13.8")	420.0mm (16,5")
Max. Printing Widht	330.0 mm (13.0")	406.4 mm (16")
Repeat lenght	127.0 mm - 355.6 mm (215.9mm - 406.4 mm as option)	
Substrate Gram.	50 gsm - 300 gsm	
Substrate Thickness	70 micron- 300 micron	
Max. Machine speed ** (***)	200 imp/min (71.1 m/min in case of 355.6mm) (81.2 m/min in case of 406.4mm) 250, 300 imp/min as option	

**The printing speed is conditioned to the format, weight, substrate conditions, the generals of printing and optionals equipments.

*** The printing speed of the quotations and the agreement are mechanical speed.

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STEP BACK ROLLER

Dual pull-rollers assure accurate register & stable web-tension at maximum speed.

Pull-Roller servo-driven by Bosch Rexroth motor.

ONE-SIZE BLANKET USABLE

The requirement for frequent change of printing blankets has been a big headache for offset printers.

Unlike existing presses, the MLP series allows you to use a fixed-size blanket to handle any different printing repeats. It simply means that you **don't need to change blankets** every time you change jobs.

REFINED ROLLER ARRAY

This Miyakoshi's original inking roller configuration assures **stable ink consistency** on the surface of plate, thus achieving **superb printing quality** even under **high-speed run** condition.

Besides, servo-motorized dampening system enable easy digital control of ink/water balancing, allows unskilled operator to use.

This remarkable feature offers not only great shortening of changeover but also reduction of blanket cost.

The MLP **semi-rotary offset press** was specifically designed to address the fast-growing demand of **shorter-run productions** of **high-quality labels** and offers **short makereadies** as well as **reduced wastage** of materials.

Full integration of the latest **servo-driven technology** assures very precise intermittent (forward and backward) web motion keeping **optimized web tension** throughout the press. **Changeovers** are remarkably **quick** mainly thanks to **fully electronic format changes** which no longer requires any changes of format-related toolings.

Quality-proven offset printing technology enables label printers to achieve the **best print quality** with **clear dot reproduction** and **beautiful tonal gradations** that flexo or letterpress presses can never reach. Furthermore, bearer-to-bearer contact structure assures sufficient pressure between paper and plate, allowing for consistent image transfer even onto rough-surfaced materials.

This characteristic largely contributes to **good suitability** for **wine and spirits labels** which tend to use textured papers.

Not only superb print quality, offset also offers considerably **lower plate cost** compared with that of flexo presses. Most controls and adjustments such as **register control**, **ink/water balancing** and **ink-key adjustment** are **digitalized** to universalize the press operation. Requiring minimum skill and experience, any operator can use the MLP with remarkable easiness.

LARGE PRINTING AREA

When it comes to productivity, MLP's **longer repeat length** up to **406.4mm**, is definitely an advantage.

This large printing area gives more flexibility in label impositioning in repeats and also provides capacity of big-size label printing.



FULL-SERVO SHAFT-LESS

Each station being driven by a **high-end servo-driven** from Bosch-Rexroth runs independently synchronizing other units, thus allows an idle unit to be prepared for a subsequent job while other units are running.

This offers considerable improvement of operation workflow, and **shortens job changeover times**.

Also, this method consequently contributes to ecological friendliness, reducing the use of lubricating oil.

