



We look forward
to your continuous support
and future business **together.**

The **MIYAKOSHI MLP semi-rotary UV offset press** was specifically designed to address the fast-growing demand of **short/medium-run production** of **high-quality labels** offering **short makeready** as well as **reduced wastage** of materials.

Full integration of the latest **servo-driven technology** assures a very precise intermittent (forward and backward) web motion, keeping an **optimized web tension** throughout the press.

Changeovers are remarkably **quick**, mainly thanks to **fully electronic format** changes which no longer require any manual interventions using tools.

A proven high standard of offset printing technology enables label printers to achieve the **best print quality** with **clear dot reproduction** and **beautiful tonal gradations**, often difficult to achieve with flexo or letterpress presses. Furthermore, a bearer-to-bearer contact design assures sufficient pressure between paper and plate, allowing for consistent image transfer even onto **materials with a rough surface**.

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 to that of flexo presses. Most controls and adjustments such as **register control**, **ink/water balancing** and **ink-key adjustment** are **digitalized** to centralize the press operation.

Requiring minimum skill and experience, any operator can use the MLP with remarkable ease.

Specifications Miyakoshi MLP 13/16

	MLP13	MLP16
Print system	Wet / Waterless / Hybrid (Wet and waterless)	
Max. Paper Width	350.0 mm (13.8")	420.00mm (16,5")
Max. Printing Width	330.0 mm (13.0")	406.4 mm (16")
Repeat Length	127.0 mm - 355.6 mm (215.9mm – 406.4 mm optional)	
Max. Machine Speed*	200 impressions/min 250 impressions/min 300 impressions/min optional UP TO 121,9 mtr/min(-long. rep.- 406.4mm)	
Substrate Gram.	50 gsm – 300 gsm	
Substrate Thickness	70 micron- 300 micron	

**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.*

***This is not a contractual document and technical specifications subjet to change without notice. All the other trademarks cited are marks registered by their respective manufacturers. Operato / end user are invite to submit substrates and foils to Miyakoshi for validation.*



APPLICATIONS

Food and beverage labels / Cosmetic labels / Wine labels / Other labels in general

1_Semi Rotary Hot Foil Unit (OPTIONAL)



Adds luxury value to labels
It has a quick set up due to semirotaty design and is equipped with an electrical heater.
The foil save mode is an optional item.

3_Semi Rotary Flexo Unit (OPTIONAL)



Two types are available, pan type and chamber type.
Both units allow the printer to add value to the label during the finishing process.

2_Flat Screen Unit (OPTIONAL)

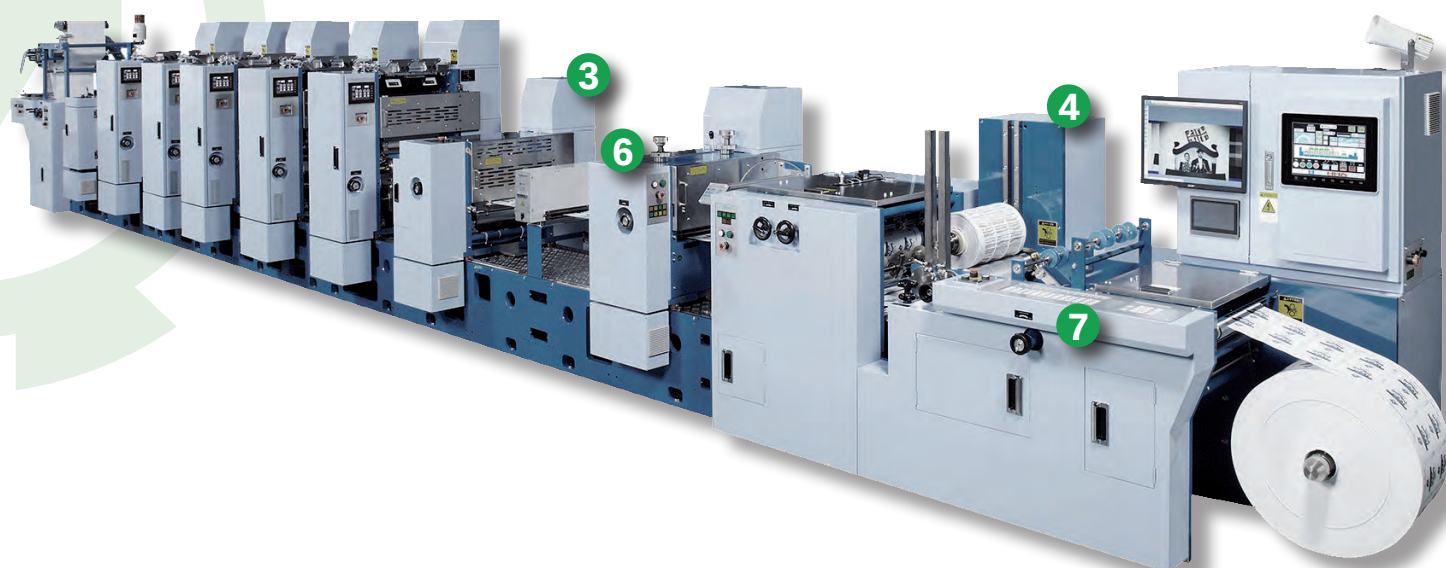


This is a good solution for the printer to carry out short/medium and long Jobs due to the low cost of the screen mesh.
The mesh moves forward and backwards while the squeegee is fixed.

4_Centralized Drive Shaft System (OPTIONAL)



Easy to set up with good performance, this system improves productivity.



5_Lamination Unit (OPTIONAL)



Possibility to work with an additional flexo unit just before coldfoil or lamination units to pre-glue coldfoil or non-adhesive film if necessary.

6_Die Cut Unit with Gap System (OPTIONAL)



This system allows an adjustment of the gap between the anvil and the magnetic cylinders.
This system allows the use of the same die cutting plate with different substrate thicknesses

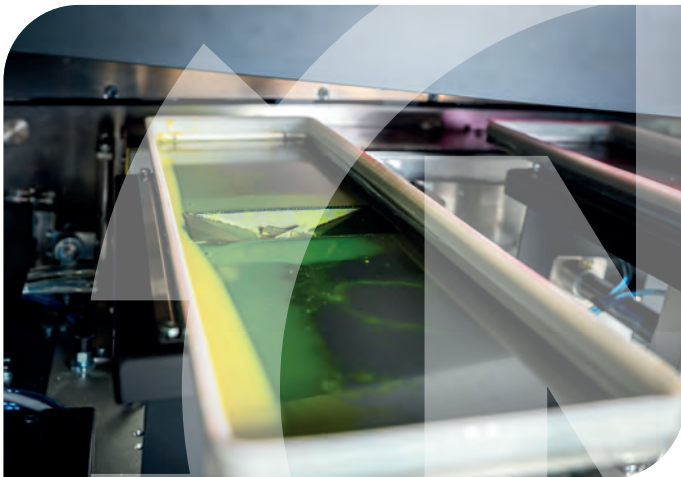
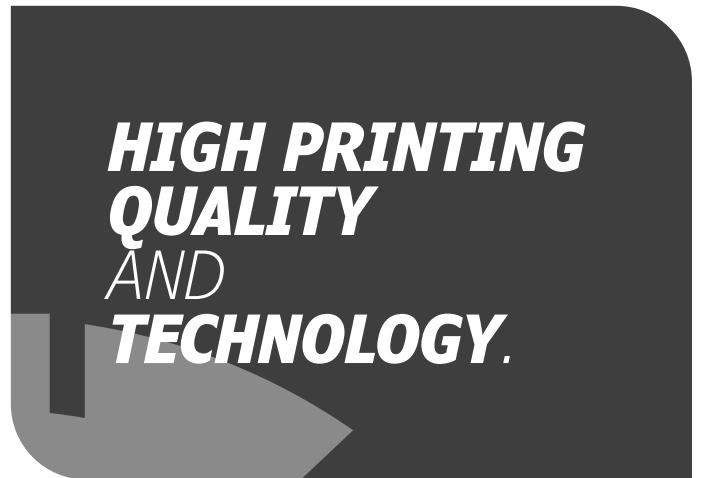
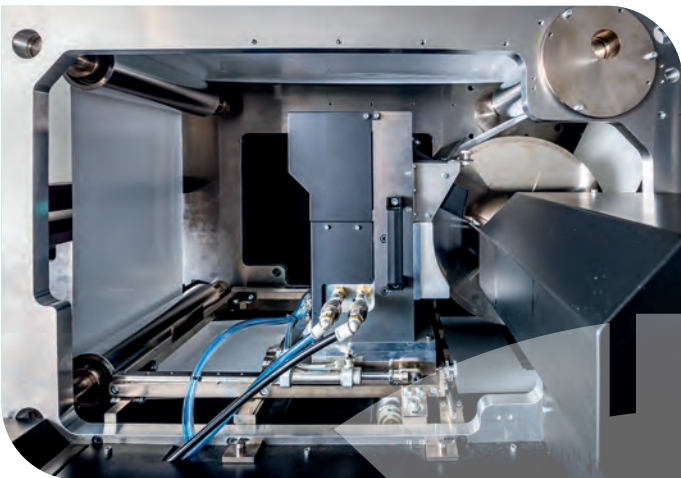
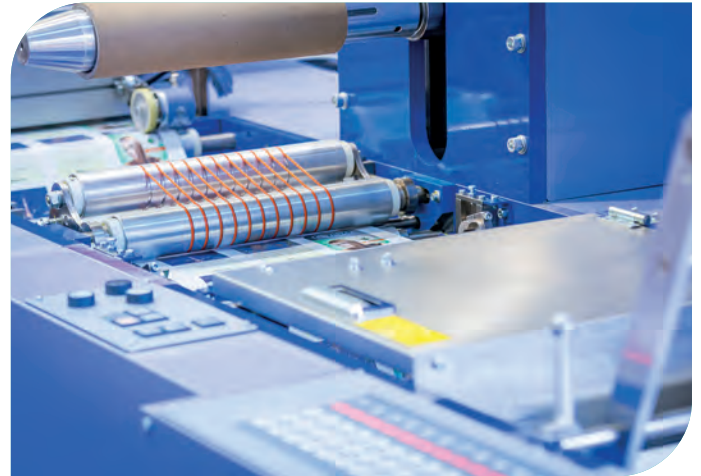
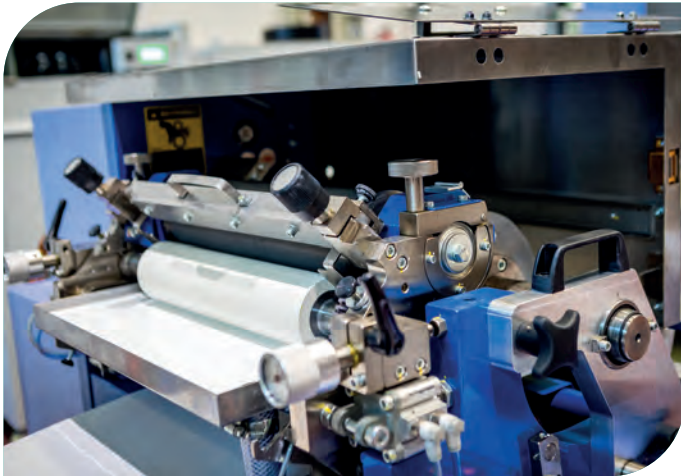
7_Ink Key Remote Control System



Electronic ink-key remote control system assures quicker colour adjustment

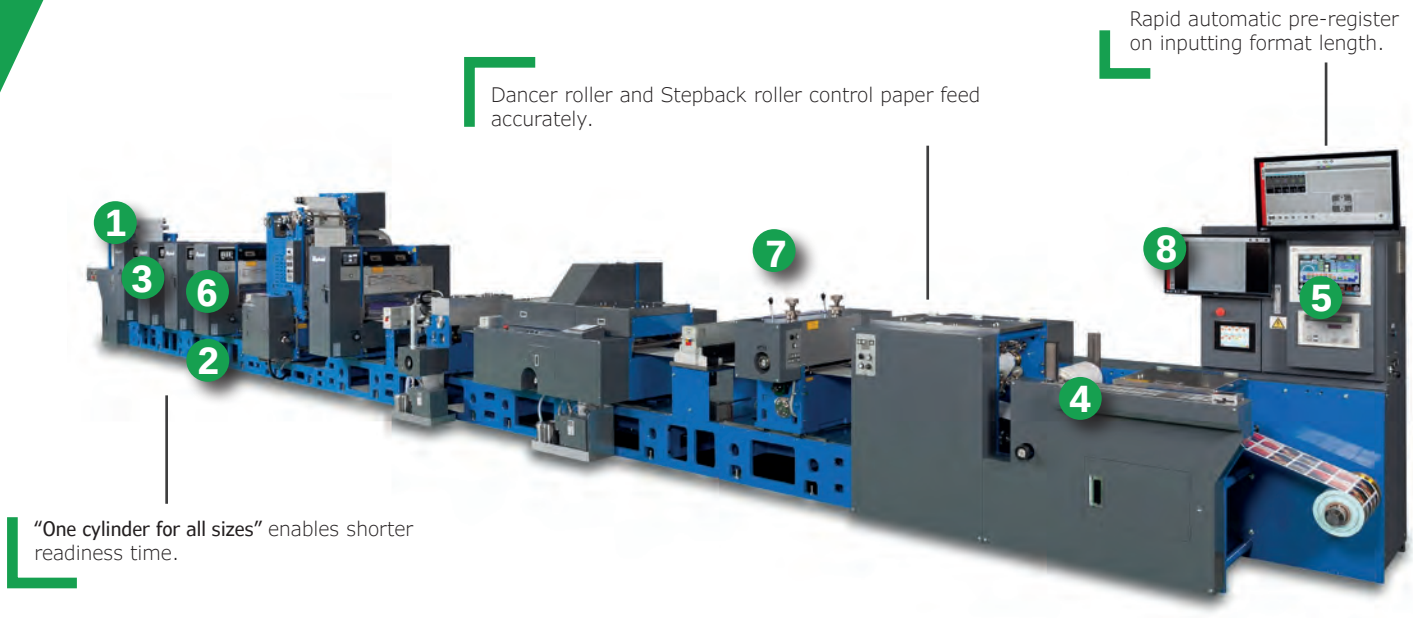
*MECHANICAL MAXIMUM PRINTING SPEED
OF **300i/m** IN ANY REPEAT LENGTH.*

- ✓ Automatic Register System (BST)
- ✓ Semi rotary screen unit
- ✓ Semi rotary Embossing unit
- ✓ Delam-relam option
- ✓ Ink agitators
- ✓ Skew system for offset, flexo, hot foil, die cut unit
- ✓ PPF converter
- ✓ Corona treatment
- ✓ Cooling system for oscillating rollers
- ✓ 2nd pass printing function
- ✓ Advance cold start function
- ✓ Water level sensor for offset water fountain
- ✓ Semi-automatic offset plate attachment
- ✓ Web cleaner
- ✓ Web guide
- ✓ Automatic wash up system for offset units
- ✓ And more...



Built upon the **MLP** model, and using the **Miyakoshi experience** in design and manufacture, the **MEL13** allows the printer to produce high quality labels. It can be equipped with in-line finishing solutions.

The **MEL13** is a cost efficient quality label printing machine. Our design objective has been to manufacture a press with a quick set-up producing a minimum amount of waste.



1_Web cleaner

2_Unit skewing

3_Automatic ink roller washing

4_In-key remote controller

5_Numerical register control System

6_Cooling system for Oscillating rollers

7_Die-cut with gap adjustment

8_Resgistration monitoring

- ✓ Ink Agitator
- ✓ 2nd Pass Printing System
- ✓ Slitter with Vacuum Blower for Trim
- ✓ Advance Cold Start
- ✓ Semi-Automatic Plate Attachment
- ✓ Water Level Sensor for Offset Unit
- ✓ Hot Foil Unit
- ✓ Cold Foil Unit
- ✓ Backside Reverse Printing System
- ✓ Emboss Unit
- ✓ Lamination Unit
- ✓ Flat-Bed Screen Unit

Specifications Miyakoshi MEL 13

Max. Paper Width	350.0 mm (13.8")
Max. Printing Width	330.0 mm (13.0")
Repeat Length	165.1 mm - 330.2 mm
Max. Machine Speed	150 impressions/min - 49,5 mtr/min (-long. rep.- 330.2mm)
Substrate Gram.	50 gsm – 300 gsm
Substrate Thickness	70 micron- 300 micron

DIGITAL LED UV INKJET PRESS FOR LABELS

The **MJP13LXV** is a digital LED UV inkjet press focused on labels and other markets.

Its high resolution **1200 x 1200 dpi**, enables an excellent print quality to be achieved. With a 342mm maximum paper width and 50 m/min speed, it becomes a serious option for current flexographic printers to benefit from the advantages of digital technology, including amongst other things, rapid changeovers, flexibility and simplicity of operation.

The **MJP13LXV** comes equipped with drying units between colours (pinning) and a final LED curing unit. These work with LED-UV inks whose high pigmented composition enable lively and attractive colours to be achieved.

In addition, the press comes with a **Nitrogen Purge system**, to reduce odor and improve drying.



Specifications Miyakoshi MJP13LXV

Technology	Inket piezoelectric Drop on demand
Resolution	1200 dpi x 1200 dpi
Printing speed	50 mtr/min
Substrates	PP, PE and paper. And some substrates without liner
Max. Printing width	318 mm
Web width	From 152,4 up to 342,9 mm

1_Web cleaner (OP)

2_Webguide

3_Splice detection system



4_Corona



5_Temperature Control-Ink / Printhead



6_Pinning cure after each color



7_Nitrogen purge system

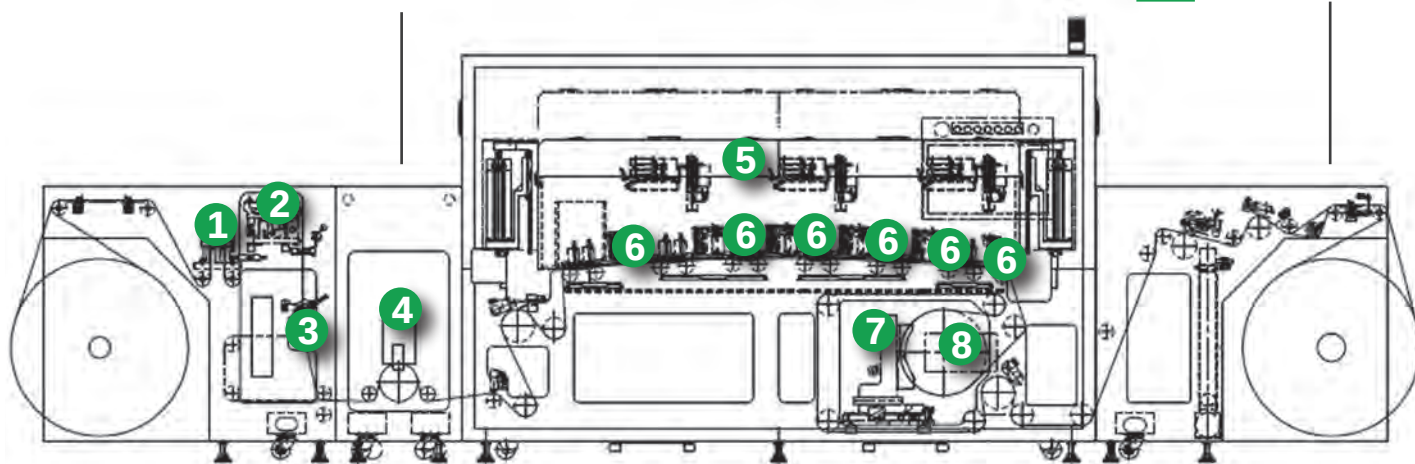


8_Chill roller

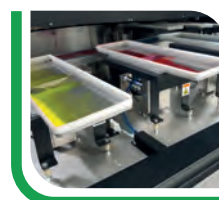


Three print head per color = Printing width 318 mm.
There are three types of printing modes , reducing
the ink consumption.

Diam. Max : 700mm



The sensor detects the splice and automatically
raises the print head to avoid any damage.



Automatic print head cleaning system.
This system helps to maintains
the press in the best possible
conditions. There are three kinds
of cleaning options.



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Miyakoshi Printing Machinery. Co., Ltd,

Japan`s leading manufacturer of high-performance printing presses, proudly delivers a series of narrow-web offset and digital presses for label and labelling applications.

Founded in 1946, with more than 550 employees and 5 plants, Miyakoshi offer the most advanced state-of-the-art offset and digital printing machines to this ever-changing industry.

In-House Manufacturing & Quality Control

Miyakoshi manufactures machine frames, cylinders, and many other mechanical parts, assembles them into machines, while carrying out strict quality control throughout the whole process.

This makes it possible to build machines of optimum mechanical performance.



Miyakoshi
PRINTING MACHINERY CO., LTD.