

MA 350 Technical Specification

UNWINDING SECTION	
Max. diameter roll	800mm.
SEMIROTARY PRINTING AND DIE CUTTING	
Maximum web width	350 mm.
Maximum printing width	330 mm.
Minimum web width	105 mm.
Full rotary printing size	19" (482,6mm.)
Repeat lengths in semirotary mode (step less)	435 mm.
Maximum speed (*)	60 m/min (*)
FLAT BED EMBOSING AND DIE CUTTING UNIT	
Maximum area (length x width)	280 x 343 mm.
Angular adjustment	+/- 2°.
FLAT BED HOT FOIL STAMPING UNIT	
Maximum area (length x width)	280 x 343 mm.
Angular adjustment	+/- 2°.
Transversal adjustment (mm.)	+/- 5.
FLAT BED SILSCREEN	
Maximum printing area using the MIDA MAQUINARIA standard screen size (length x width)	330 X 330
REWINDING SECTION	
SLITTER REWINDER BOB 350	
One matrix removal shaft 3" size with pneumatic displacement	
2 rewinding shafts 3" size.	
Finished rolls diameter	800 + 400
POWER SUPPLY	
AC. 380 V 3 phase + Neutral + Earth	

(*) Maximum mechanical speed.

MA 350 Operation Modes

The MA 350 series integrates 3 different program lines for different work modes:

- **Work Mode 1:** using only the flexo varnish and rotary die cutting unit.
- **Work Mode 2:** combining flatbed finishing units for stamping or embossing with rotary units for die cutting, flexo varnish or printing.
- **Work Mode 3:** combining flatbed silk screen units with flatbed finishing units for stamping or embossing and rotary units for die cutting, flexo varnish or printing.



MIDA MAQUINARIA

MIDA MAQUINARIA develops and builds presses for reels converting, printing and conditioning.

- Semirotary Printing Presses. MD 280 and MD 350 Series Letterpress and MO 350 serie Wet Offset.
- Flat Bed Silkscreen printing presses.
- Finishing presses combining flat bed units and rotary units mounted on a semirotary or an intermittent web platform. MA 350 Series.
- Auxiliary Machinery: Slitter Rewinders, Sheeters, Plates mounting presses.

MIDA MAQUINARIA is a leading Company in the field of semirotary technology.



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MA-350 SERIE

FINISHING MACHINES



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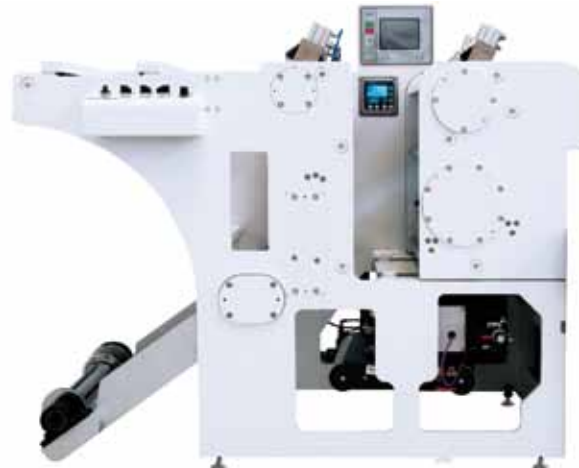


COMBINATION OF FLAT BED UNITS AND ROTARY UNITS ON A 100% SEMIROTARY PLATFORM

MA 350 Series for Preprinted Labels Finishing

The presses belonging to the MA 350 series use the exclusive MIDA MAQUINARIA shaftless semirotary web control and guiding system. This MA 350 series can combine all kind of finishing options, flat bed or rotary options and UV printing, on a semirotary platform without web loops for minimum web wastes.

The MA 350 series presses are a competitive and profitable solution for finishing all kind of label runs that have been printed on digital or rotary production lines, especially when dealing with high added-value label markets which involve a combination of hot foil and embossing with silkscreen, flexo varnishes, special die cutting solutions, etc.



Web control, guiding and aligning system
100 % servodriven.



Movable touch panel.

MA 350 series: Main advantages

.. Very quick job changes, without standstills and with minimum web waste thanks to MIDA MAQUINARIA's own web control and guiding system and to the speed and accuracy with which the printing and finishing units can be set up.

.. Versatility and savings in terms of cost and time when obtaining the tooling for finishing, specially as regards screens and embossing tooling.

Standard Finishing Modules

Flat bed silkscreen:

- .. The squeegee and wiper blade assembly is mounted on a rail system to assure uniform pressure on the screen on every printing width.
- .. Squeegee and wiper speeds and pressure have servodriven regulation and are computer controlled.
- .. Independent speeds for squeegee while printing and for wiper blade when ink filling.
- .. The press can be stopped to open the silkscreen unit and clean the screen. After that, the press can restart without losing the registration.



Servodriven silkscreen printing head.

Flatbed hot foil stamping:

- .. Servodriven strike which can be slowed down to allow the foil film to be in contact with the web for a longer time.
- .. Two different work modes which ensure foil film savings:
 - Savings can also be obtained by turning the stamping station 90° and feeding the foil crosswise to the web.
 - Further savings are possible thanks to its independent film unwinding device which allows the setting of unwinding steps that are different from the web repeat length. Additionally, it is possible to program a film unwinding sequence with a series of repeated unwinding formats.
- .. Set of adjustable plates for off-press mounting of hot foil and embossing tooling, without standstills.



Flat bed hot foil stamping and embossing unit.

Flat bed embossing and die cutting unit:

- .. Set of adjustable plates for off-press mounting of embossing and die cutting tooling, without standstills.
- .. Can be used as a flat bed die cutting unit.
- .. Servodriven strike control.



Flexo unit for printing, varnishing and Coldfoil or linerless laminating.

Flexo printing and varnishing unit:

- .. For printing white coverings, uniform background colours, metallised ink, etc, and for finishing varnishes (selectives and full rotary varnishes).
- .. Chamber doctor blade system with reserve tank for very quick and simple ink or varnish changes.
- .. Very quick and simple anilox changes, the flexo unit can be used as a printing unit as well.
- .. Plates are mounted out of the press on extractable quick lock system sleeves.

Rotary die cutting unit:

- .. For die cutting on the front or on the reverse side of the web.
- .. Optional Gap Master system from Kocher Beck.
- .. Exclusive MIDA MAQUINARIA electronic control system which is able to adapt to different tooling distortions, enabling the unit to use all kinds of die cutting plate formats.



Rotary die cutting unit.

Other Options

Semirotary lamination :

- .. Semirotary laminating: linerless or using conventional laminating film with liner.
- .. Linerless laminating using the flexo varnish unit.



Linerless laminating unit with flexo unit.

Turning bar device.

Semirotary turning bar device:

- .. For printing on the back of the web.

Full die cutting:

- .. An extra device that can be attached to the rotary die cutting unit provides a full die cutting option for cutting window shapes, holes, etc.

Cold Foil:

- .. The flexo printing unit can be used for Coldfoil by attaching to it a film control device for unwinding, repeat lengths and rewinding.



Cold Foil.

Simultaneous Hot foil and embossing unit:

- .. Set of adjustable plates for off-press mounting of hot foil and embossing tooling, without standstills.
- .. Servodriven strike which can be slowed down to allow the foil film to be in contact with the web for a longer time.

Automatic registration system in each printing unit:

- .. Exclusive MIDA MAQUINARIA system in each printing or finishing unit for correcting any faulty registration that may have originated from the preprinted roll. This system works with a single photocell reading able to correct the position of the different units with minimum web wastage.



Fully die cutting device.

Simultaneous hot foil and stamping tool mounting.

