Digital Workflow

Electronic inking: Digital Workflow.

·· **AUTOMATIC ELECTRONIC** inking system which starts **DURING** pre-press **USING** CIP3 files. This automatic system operates in 3 different processes : opening of ink fountain blades, dampening, and setting the speed of the ductor roller.

·· All inking and dampening parameters for every printed job are recorded.

·· Colour homogeneity is ensured throughout the run and when repeating a job.

·· Minimum web wastages when setting up and when changing the jobs.

Ink control touch panel.

Electronic ink fountain.

MO 350.
Technical Specification

UNWINDING SECTION	
Max. diameter roll	800 mm.
SEMIROTARY PRINTING AND DIE CUTTING	
Maximum web width	350 mm.
Maximum printing width	330 mm.
Minimum web width	105 mm.
Full rotary printing size	14" (355,6 mm.)
Repeat lengths in semirotary mode (step less)	280 mm.
Maximum speed (*)	12.000 g/h
FLAT BED EMBOSSING 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.
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 mechanic speed.

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.

MIDA MAQUINARIA

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MO ING.17

MO-350 SERIES

WET OFFSET PRESS

www.midamaquinaria.com

MIDA MAQUINARIA

MO 350 Series Wet Offset Printing Press

With the MO 350 series, MIDA MAQUINARIA presents a Wet Offset press combining print quality, ease of handling and economical use with minimum wastages. The MO series offers several advantages over Digital Offset and conventional rotary presses when it comes to short and medium label runs.

Movable Control touch panel.

MO 350 Advantages

Main advantages of the wet offset MO 350 series:

·· Versatility: fast job changes, without standstills and minimum web waste, thanks to MIDA MAQUINARIA's exclusive servo driven automatic control system for guiding and aligning the web, and to its speed and accuracy when setting up the different printing and finishing units.
·· Extractable offset plate sleeves which allow mounting of plates out of the press without standstills.
·· Printing blankets with a single all-purpose format which adapts to all label printing sizes.
·· Savings: minimum web and time wastages when switching to new jobs.
·· Electronic inking and dampening system: – DIGITAL WORKFLOW
·· MIDA MAQUINARIA's own design for a semirotary platform synchronized with the blanket cylinder all-**purpose format** that allows automatic setting up of printing units for pre-registration, production parameter recording and high production speeds.
·· Use of standard Wet Offset industry consumables: inks, blankets, etc.

Extractable Offset plate sleeve.

Versatility, Savings, Accuracy, Printing Quality

MO 350 Series Wet Offset unit:

·· Roll battery designed to ensure quick inking.
·· Offset plate pre-inking and pre-dampening without web wastage when starting up the press.
·· Roll-dampening homogeneity.
·· Automatic electronic inking system which is started during pre-press using CIP3 files: Digital Workflow.
·· Quick lock system of extractable plate sleeves allowing plate mounting without production standstills.
·· Blankets with a single all-purpose format for every label size.
·· TECNOTRANS equipment which on the one hand ensures that the dampening system and the kneading cylinders in the inking battery are cooled separately and on the other hand automatically determines the correct mix for the dampening solution.

Wet Offset printing unit.

100% servodriven offset printing unit.

In Line Finishing Options

Printing and finishing can be combined in-line or off-line using low cost tooling on the finishing units.

Flat bed 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 mounting hot foil and embossing tooling out of the press and without standstills.

Flat bed hot foil stamping unit.

Flexo printing unit:

·· For printing white coverings, uniform background colours, metallised ink, etc, and for finishing varnishes (selective and full rotary varnishing).
·· 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.

Printing and varnishing flexo unit.

Rotary die cutting unit:

·· For die cutting on the front or on the reverse side of the web.
·· Gap Master system from Kocher Beck as an option.
·· 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.
·· 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.

Rotary die cutting unit.

Other Options:

·· Semirotary laminating, linerless or conventional laminating film.
·· Linerless laminating using the flexo varnish unit.
·· Semirotary turning bar device for printing on the back of the web.

Fully die cutting device.