

MD 280
MD 350





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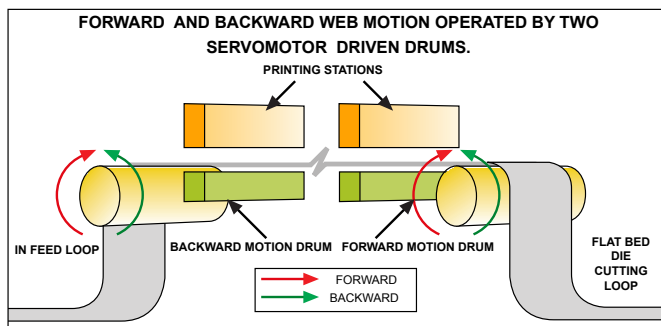
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The **MD** series of **MIDA** presses combine the intermittent feed system and UV letterpress using **shaftless** technology which, together with the flat bed finishing section (hot foil stamping, die cutting, embossing, punching) and a wide range of in line options (reverse printing, UV flexo varnish, lamination, slitter rewinder ...) allows the converter to go **from the reel to the finished product in one pass.**



advantages of the semirotary letterpress md series

- High profitability for short and medium runs and also for long runs, achieving up to 1.620 sq meters per hour.
- The cost of consumables can be adjusted to the size of the order.
- Production scheduling is extremely flexible.
- Very quick job changes, without standstills and with minimum web waste.
- All label sizes can be printed with a single set of cylinders.
- Versatility and savings in cost and time when procuring the tooling for the finishing section (die cutting, hot foil stamping and embossing).

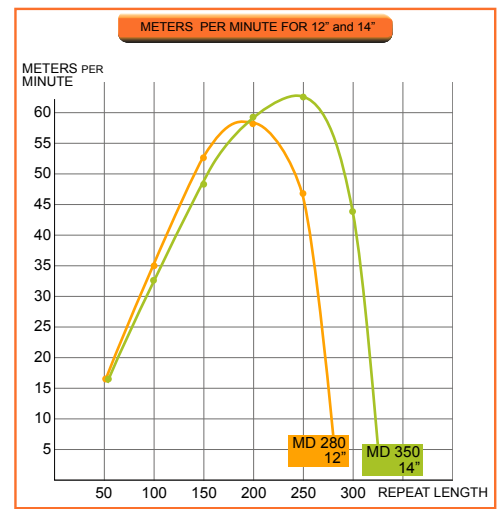


The **letterpress** printing system combines several excellent features:

- Sharp, vivid printing.
- Uniform background colours and fine screens.
- Extremely simple pre-printing.
- High quality polyester or steel based plates which are very easy to process.
- Quick training of operators.

State of the art technology is incorporated into materials, components and processes.

The **MD** presses are precision machines, sturdy and reliable.

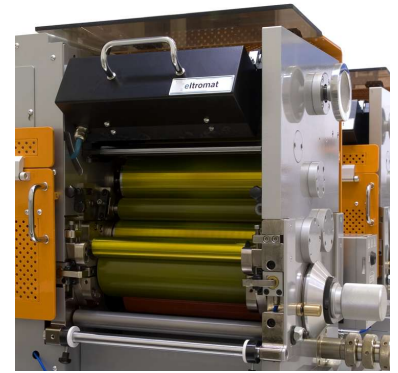


Vertical scale: linear speed in m/min related to repeat lengths. For a proper understanding of the speed and production curves, ask MIDA MAQUINARIA.



printing stations

- Higher printing quality.
- New printing cylinders levelling system, easier pressure regulation.
- Third inking roller to eliminate ghosting.
- Motor driven ink washing system allowing the washing of each station in a few minutes.
- Electronic positioning and motor-driven station shifting.
- Electronic regulation system for the UV drying process.



new digital inking system

- Electronic inking adjustment.
- Consistent and uniform inking all along the run.
- Minimum web waste while starting a job.



register control

- New register system allowing an output of up to **60 meters per minute** on the MD 350 and up to **53 meters per minute** on the MD 280.



quick setting up

- MIDA's MD presses work with either polyester or steel based polymer plates mounted on **extractable sleeves**.
- The setting of the plates on the sleeves is made off line while the press keeps running, thus reducing the standstill times and allowing the exact alignment of the printing plates.
- With the new **Quick Lock** fastening system no tools are required for the assembly and disassembly of the extractable sleeves. The sleeve change over time for a 5 colour plus varnish job is less than **1 minute**.
- A folding press supplied as standard with the presses using magnetic sleeves makes the preparation of the plates very easy.
- Easy setting of the plates on the sleeves is ensured by the mounting tooling supplied.
- **Electronic Register pre-setting**: the central programming determines the exact location of the stations and put them into place automatically.



production control

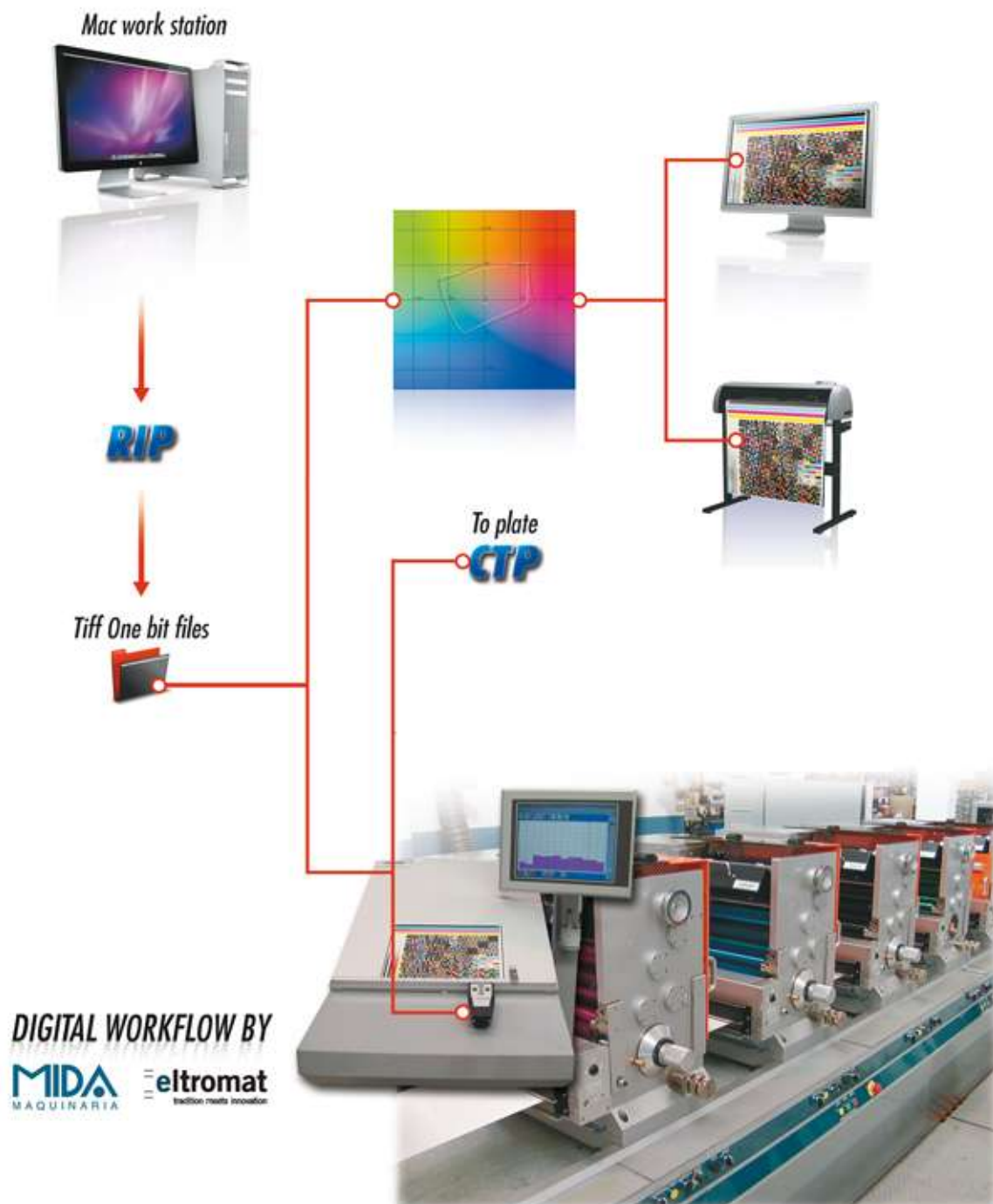
- Setting and control of production using keyboard and mouse.
- Based on Windows.
- Long-distance monitoring and trouble shooting.
- Jobs library.





digital workflow by mida maquinaria and eltromat

- Electronic inking system starting on the pre-press from CIP3 files.
- Motorised Ink tray blades adjustment electronically driven from a touch pannel HMI.
- Files recording with their own inking profiles for repeated jobs.



additional optionals



- BACK SIDE printing unit to print text and data.
- CHILLERS PLATES in the uv lamp heads.
- SECOND PASS able to print of four-colour printing.
- VIDEO CAMERA for registering and print quality control.
- SHEETER.
- HOLOGRAM stamping device.

technical specification



TECHNICAL SPECIFICATION	MD 280	MD 350
SEMI ROTARY PRINTING AND DIE CUTTING		
Maximum web width	280 mm.	350 mm.
Maximum printing width	270 mm.	330 mm.
Minimum web width	105 mm.	105 mm.
Repeat lengths in semi rotary mode (step less)	50 - 275 mm.	50 - 325 mm.
Maximum speed (strokes per hour)	18.000.	18.000.
Repeat lengths in rotary mode	12" (304,8 mm).	14" (355,6 mm).
FLAT BED FINISHING SECTION		
FLAT BED DIE CUTTING		
Maximum die cutting area (length x width)	260 x 280mm.	280 x 343 mm.
Maximum output (strokes per hour)	14.000.	14.000.
Height adjustment (mm)	+/- 1,5.	+/- 1,5.
Angular adjustment (degrees)	+/- 2°.	+/- 2°.
FLAT BED HOT FOIL STAMPING		
Maximum stamping area (length x width)	250 x 280mm.	280 x 343 mm.
Maximum output (strokes per hour)	10.000.	10.000.
Height adjustment (mm)	+/- 1,5.	+/- 1,5.
Angular adjustment (degrees)	+/- 2°.	+/- 2°.
Transversal adjustment (mm)	+/- 5.	+/- 5.
REWINDING SECTION		
MONOBLOCK		
One matrix removal rewinding shaft 3" size with pneumatic displacement.		
One 3" diameter rewinding shaft		
Finished roll diameter	800.	800.
BOB 350 IN LINE SLITTER REWINDER		
One matrix removal rewinding shaft 3" size with pneumatic displacement.		
Two 3" diameter rewinding shafts		
Finished roll diameter	800 + 400.	800 + 400.
Slittering section, optical reading and badges programming.		
POWER SUPPLY	Ac. 380 V 3 phase + Neutral + Earth	





MIDA MAQUINARIA

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

- Semirotary Printing Presses. MD 280 and MD 350 Series.
- Flat Bed Silkscrenn printing presses. SK 350 Series.
- Finishing presses by combining flat bed units and rotary units mounted on a semirotary or an intermittent web platform. MAC 280 and MAC 350 Series.
- Auxiliary Machinery: Slitter Rewinders, Shitters, Plates mounting presses.

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

