Range of Lamination Machine

MEMORY

Optimum Precision

Automatic
Hot & Cold Lamination Machine

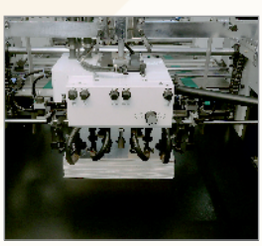


"Memory" Fully Automatic Hot & Cold Lamination machine suitable for sheet to sheet lamination

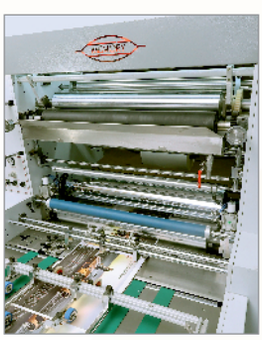
Salient Features:

- Automatic Paper Feeder (Dry Vaccum Pump) with Front & Side lay gauge eliminates skilled operator requirement and ensures faster & easier paper feeding.
- PLC control, Touch Screen Display, Digital Temperature Controller and AC Servo Drive ensures ease of operations.
- The machine is suitable to use BOPP/PVC/Met-Pet/Thermal film for Hot & Cold Lamination.
- Two separate pressing stations for quick job changeovers from Thermal to Cold process or vice versa.
- Banana Roller for wrinkle removing from film roll.
- Large Diameter (270mm) high precision mirror finished Chrome Roller, with Hydraulic Power Pack, with built-in Oil Heating & Thermostatically Controlled Temperature ensures even heat across the cylinder thus results in high quality lamination in Thermal Process.
- Pneumatically controlled Pressure for Cold lamination process (0-8 Bar).
- Saddle Trolley with heavy duty Rewinding Unit with Clutch Brake.
- Stainless Steel Glue Tray for Cold Glue with Worm Gear movement.

Technical Specifications	MRS 850-A
Paper Size (Max.)	850 x 1100mm
Paper Size (Min.)	300 x 300mm
Lamination Size (Max.)	812 x 1100mm
Lamination Size (Min.)	300 x 300mm
Paper Thickness	90-500g/m²
Pile Height	up to 900mm
Lamination Speed (Cold)	70 Meters / Minute
Lamination Speed (Thermal)	50 Meters / Minute
Air Pressure	8 Bar (Compressed)
Power	15 kw / 380 Volts / 50 Hz
Weight	2000 Kgs
Dimensions (W x H x L)	2450 x 2050 x 3850mm


Automatic Paper Feeder


PLC Control Panel


Hot & Cold Lamination Unit


Saddle Trolley with Reel Rewinding Unit

***Note** : Needs Compressed Air connection & Hydraulic Oil at the time of installation at customer end.*

MEMORY

Optimum Precision

Powder Removal Machine



"Memory" Powder Removal Machine is precision-engineered to efficiently remove Anti-Set-Off Powder from offset printed sheets prior to lamination / UV Varnish, ensuring superior surface finish and consistent downstream processing.

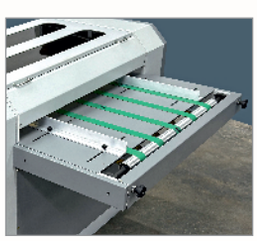
Salient Features:

- Ergonomically designed manual feeding table with precision side gauge for faster, smoother, and more accurate feeding of printed sheets.
- High-precision, mirror-finished chrome roller with in-built thermostatically controlled temperature system, ensuring uniform and consistent heating across the entire cylinder width.
- Pneumatically controlled stainless steel doctor blade engineered for effective and uniform powder removal from printed sheets.
- Advanced delivery station with adjustable stoppers to accommodate a wide range of sheet sizes with accuracy.
- Heavy-duty mild steel structure with high-quality powder coating, ensuring vibration-free operation, durability, and long service life.

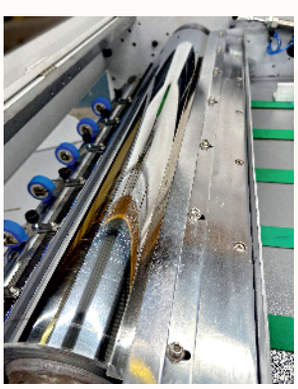
Technical Specifications	Model - 810
Paper Width (Max)	810 mm
Paper Length (Min)	250 mm
Paper Thickness	90 - 500 g/m2
Speed	25 Meters / Min
Air Pressure	8 Bar (Compressed)
Power	4 Kw / 380 Voltz / 50 Hz
Dimensions (L x W x H)	2400 x 1680 x 1250 mm
Weight	650 Kgs



Control Panel



Conveyor Feeding Table



Heated Cylinder with Doctor Blade

***Note** : Needs Compressed Air connection at the time of installation at customer end.*

Semi-Automatic
Hot & Cold Lamination Machine



"Memory" Hot & Cold Lamination machine suitable for sheet to sheet lamination

Salient Features:

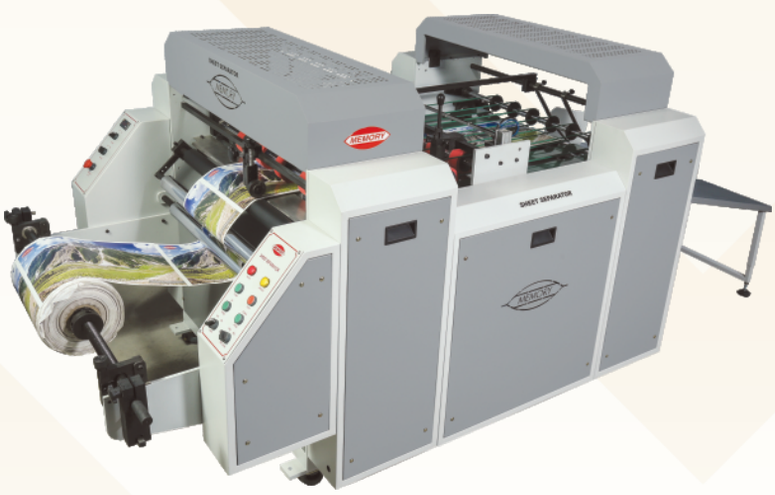
- Temperature controller and variable speed AC drive ensures ease of operation for operator.
  The machine is suitable to use BOPP/PVC/Met-Pet/Thermal film for Hot & Cold Lamination.
- Two separate pressing stations for quick job changeovers from Thermal to Cold process or vice versa.
- Banana Roller for wrinkle removing from film roll.
  Large Diameter high precision mirror finished Chrome
- Roller, with Hydraulic Pressure, with built-in Oil Heating & Thermostatically Controlled Temperature ensures even heat across the cylinder thus results in high quality
- lamination in Thermal Process.
- Pneumatically controlled Pressure for Cold lamination process (0-8 Bar).
  Heavy Duty Rewinding Unit with Clutch Brake.
  Stainless Steel Glue Tray for cold glue with Worm Gear movement.

Optional :

- In-Line Divisional cutting device (Auto-Cut) for Thermal Lamination.

Technical Specifications	Model - 610	Model - 810
Paper Width Max	610 mm	810 mm
Paper Thickness	70-500 gsm	70-500 gsm
Lamination Speed Thermal	Upto 20 mtrs / min	Upto 20 mtrs / min
Lamination Speed Water Base	Upto 40 mtrs / min	Upto 20 mtrs / min
Air Pressure	8 Bar	8 Bar
Power	7 KW / 380 Volts / 50 Hz.	8 KW / 380 Volts / 50 Hz.
Net Weight	550 Kgs.	700 Kgs.
Dimensions (W x H x L)	1600 x 2560 x 1820 mm	1850 x 2800 x 1820 mm

***Note** : Needs Compressed Air connection at the time of installation at customer end.*



Automatic
Sheet Separator

"Memory" Sheet Separator machine is suitable for automatic separation of BOPP/PVC laminated rolls to sheets. Pneumatically controlled Tear off system ensures de-sheeting of laminated sheets at high speed.

Salient Features:

- Suitable for BOPP/PVC films only
- Equipped with frequency controlled 2 HP AC Drive.
- Maximum sheeting speed 0-125 meters/minute
- Suitable to de-sheet Overlap/Underlap/Touch to Touch sheets.
- Unwinding station with Mechanical Brake.
- In-built Digital Sheet counter with photo electric sensor.
- Delivery station with adjustable stoppers for variable sizes.
- Stock Weight range 80-450 GSM.

Technical Specifications	Model 800
Paper Width Max	800 mm
Paper Thickness	80-450 gsm
Max. Speed	Upto 125 mtrs / min
Air Pressure	8 Bar (Compressed)
Power	1.5 KW / 240 Volts / 50 Hz.
Net Weight	650 Kgs.
Dimensions (L x W x H)	3550 x 1575 x 1375 mm

***Note** : Needs Compressed Air connection at the time of installation at customer end.*

Automatic Thermal Lamination Machine



Fully Automatic Thermal Lamination Machine is suitable for sheet to sheet lamination.

Salient Features:

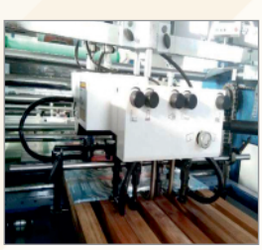
- Automatic Paper Feeder (vacuum pump system without oil system)
- Man-Machine Interface (easy and automatic operation)
- Electro Magnetic heating system
- Automatic adjustment
- Air Shaft (with Tension System)
- Film Cutting and Film Perforation Blade
- Pull Guide and Auto Pull
- Anti-Curve Device
- Pneumatic Dividing (with Auto Stacker)
- Dividing Structure (wash and change roller easily)

Technical Specifications	MRS 820-A
Max. Paper Width	820x1000mm
Min. Paper Size	240x270mm
Laminating Temperature	≤120℃
Paper Thickness	100-500g/㎡
Laminating Speed	60m/min
Diameter of Heating Roller	320mm
Diameter of Film Paper core	≤76mm (3 inch)
Power	25 kw / 380 Volts / 50 Hz
Air Pressure	8 Bar (Compressed)
Weight	2550 kg
Dimensions	6000 x 1600 x 1800mm

***Note** : Needs Compressed Air connection & Hydraulic Oil at the time of installation at customer end.*

Optional:

Chain Knife Cutter for PET film.



Automatic Paper Feeder



Electro Magnetic Heating



Pull Guide



Side Pull Guide



Film Perforation & Cutting Blade



Film Roll Lifter

Semi-Automatic Thermal Lamination Machine

In-Line divisional cutting device



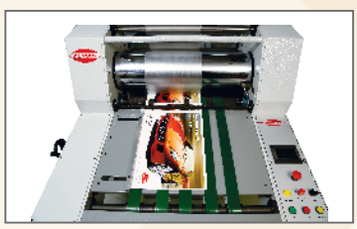
"Memory" Semi Automatic Thermal Lamination Machine is suitable for sheet to sheet lamination.

Salient Features:

- Manual feeding table with side gauge for faster & easier feeding of long sheets.
- Temperature controller & variable speed AC drive ensures ease of operation for operator.
- Large Diameter high precision mirror finished Chrome Roller, with Hydraulic Pressure, with built-in Oil Heating & Thermostatically Controlled
- Temperature ensures even heat across the cylinder thus results in high quality lamination in Thermal Process.
- Equipped with pneumatically controlled In-Line divisional cutting device (Auto-Cut) & Reel Rewinding unit for lower grammage paper < 130 gsm.

Technical Specifications	Model 24"	Model 32"
Paper Width Max	610 mm	810 mm
Paper Thickness	100-500 gsm	100-500 gsm
Lamination Speed	Upto 20 mtrs / min	Upto 20 mtrs / min
Air Pressure	8 Bar (Compressed)	8 Bar (Compressed)
Power	7 KW / 380 Volts / 50 Hz.	8 KW / 380 Volts / 50 Hz.
Net Weight	550 Kgs.	700 Kgs.
Dimensions (W x H x L)	1600 x 2560 x 1820 mm	1850 x 2800 x 1820 mm

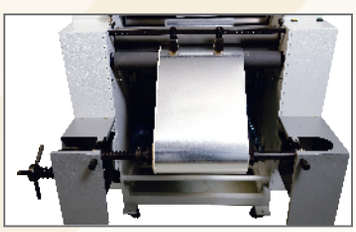
***Note** : Needs Compressed Air connection at the time of installation at customer end.*



Optional : Stopper Feeder Attachment



PLC Touch Panel



Optional : Reel Rewinding Unit



Double Side Thermal Lamination Machine

for Photo Albums & Digital Prints

"Memory" Semi Automatic Thermal Lamination Machine is suitable for sheet to sheet lamination.

Technical Specifications	Model 14"
Paper Width Max	350 mm
Paper Thickness	100-500 gsm
Lamination Speed	Upto 20 mtrs / min
Air Pressure	8 Bar (Compressed)
Power	3.5 KW / 220 Volts / 50 Hz.
Net Weight	200 Kgs.
Dimensions (W x H x L)	935 x 2300 x 1500 mm

Board Knurling Machine



"Memory" Board Knurling Machine is specially designed to emboss different pattern on Paper & Board. Suitable for full sheet knurling / embossing / graining on printed sheet / after lamination / after UV Varnish / after Aqua Varnish.

The machine is suitable for many applications like : Packing Boxes, Playing Cards, Book Covers, Greeting Cards, Gift Envelops, Calendar etc.

Salient Features:

- The solid Cast Iron body with powder coating ensures trouble - free & long working life.
- The machine is equipped with a high precision CNC laser engraved design roller, self manufactured Paper Bowl roller to emboss the substrate, so that the desired pattern appears.
- Manual Hydraulic Pressure with Japanese Hydraulic Cylinders, individual pressure control for either side to adjust design pressure as per requirement.
- Twin De-curling Rollers, Air Knife & bottom Wiper Unit to avoid paper sticking on the roller surface after embossing.
- Sheet counter with photo electric sensor, adjustable Paper Feeding & Delivery table.

Optional : Automatic Paper Feeder

Technical Specifications	Model - A	Model - B
Board Width Max.	700 mm	810 mm
Thickness (Min - Max)	90 - 500 gsm.	90 - 500 gsm.
Speed	25 mtrs / min	25 mtrs / min
Power	1.5 KW / 220 Volts / 50 Hz.	1.5 KW / 220 Volts / 50 Hz.
Dimension (L x W x H)	2500 x 1530 x 1200 mm	2700 x 1530 x 1200 mm
Net Weight	550 Kgs.	650 Kgs.



Design Roller



Control Panel

MEMORY

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