



MARK
ENGINEERING



HY-TEK Print Mac

Automatic Lamination Model : AL 1



Automatic Lamination AL - 1 is collaborative endeavour between Mark Engineering (renowned for Auto Feeders/Stackers) and Hy-Tek Print Mac (specializes in Aqueous / Thermal Laminators). AL - 1 is integrated with best quality automation and electronics components with ergonomic touch screen for ease of operation, precise underlap control and most reliable machine performance.

Super finished chrome plate roller ensures best quality results in Thermal, Aqueous or Dual lamination. Optional pre-loading device enhances production 4 times compared to manual feeding. Every detail from design to after sales service is meticulously attended to make the AL - 1 run trouble free for many years. AL - 1 is virtually maintenance free.

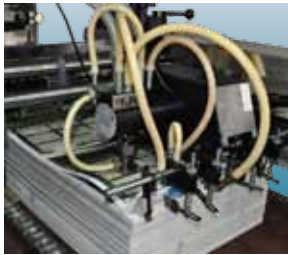
Application : Fully Automatic Lamination for Aqueous/ Thermal /Dual lamination

Other Automatic Feeders : Automatic feeder for creasing, perforating, roller coater, board pasting, folding etc.

Automatic Lamination Model : AL 1

Salient Features

- Heavy duty frame structure
- Proven high speed stream feeding technology
- Attachable with lamination machine by all manufacturer (with Hy-Tek Print Mac, Bangalore for India)
- Double sheet detection
- Heavy duty pile lift system
- Ergonomically designed touch screen or HMI for easy machine operation
- High end PLC and Servo motor controlled drive system for precise underlap control
- Optional pre-loader for reduced lead time
- Hardened and profile ground gear train to facilitate precise paper feed and to diminish noise decibel level
- Speed up to 12,000 SPH
- Dual Advantage Of Thermal & Aqueous Lamination
- Duplex Unwind Shafts, Micro Adjustable Laterally, With “Film Trim Slitter” & “Perforating Mechanism”
- 10” Dia. Super Polished, Laminating Chromed Roller
- PID Type Temperature Control Unit With Digital Temp. Display
- Rewind Station With Heavy Duty Clutch For Take-up Of Aqueous & Low Gsm Substrate.
- Supplementary Adhesive Tank (Approx) 250kg
- Sheet Counter With Digital Read-out
- Carbon Steel Helical Gear Train, Duly Toughened, profile Ground, To Diminish Decibel Level



High Speed Stream Feeding Head



Super Finished v Plated Roll



Preloading Device For High Production (Optional)



Independent Control Panel

TECHNICAL DATA (mm)	MARK AL1 10271	MARK AL1 9161
Maximum sheet size	1020 (L) x 710 mm (W)	910 mm (L) x 610 mm (W)
Minimum sheet size	300 mm x 350 mm	400 mm x 400 mm
Stock Range	0.05 mm To 0.65 mm	0.05 mm To 0.5 mm
Feeder Pile Height	970 mm	950 mm
Feeding Height in Feeder from floor	1065 mm	1065 mm
Temp. Band	75 / 140 C	75 / 140 C
Laminating Speed* Aqueous	0 – 65 M/min	0 – 65 M/min
Thermal	0 – 25 M/min	0 – 25 M/min
Feeder Drive motor A.C Servo	1 kW	1 kW
Feeder Pile Motor A.C	1 HP	1 HP
Pump Motor For Feeder (Not included with the machine)	3 HP	3 HP
Lamination Drive motor AC variable	2HP	2 HP
Heater for thermal lamination	3 kW	3 kW
Floor Space Without	1800 mm (W) x 3300 mm (L)	1700 (L) x 3100 (W)
Preloader	2400 mm (H)	2400 (H)

* Depending upon specific conditions

* Size will vary with the sheet size and optional attachments

Illustrations and specifications are not binding in details and are subject to modification and improvements without notice.



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