

Technical Specifications

Maximum Paper Size	: 560 x 800mm (22" x 32")
Minimum Paper Size	: 254 x 304 mm (10" x 12")
Maximum Coating Size	: 550 x 800 mm
Paper Thickness	: 60-450 gsm
Coating Speed	: 2000 - 5000 sph.
Feeding System	: Stream Feeder
Blanket Size	: 650 x 825 x 1.65 mm
Plate Size	: 650 x 825 x 0.3 mm
Polymer Plate Thickness (For Spot Coating)	: 0.95 mm
Gripper Margin on Plate	: 60 mm
Gripper Margin on Paper	: 10 mm
Gripper Bite	: 5 mm
Circumferential Image Micro Adjustment	: 30 mm off line
Registration Accuracy	: ± 0.5 mm
Pull Lay Line Adjustment	: ± 1.5 mm
Delivery System	: Chain Delivery
Varnish Unit	: 3 Roller System
Coating Thickness	: 3 - 5 gsm (adjustable)
Lubrication System	: Centralised Lubrication System
Power Consumption	: 4.5 Kw
Main Drive Motor	: 1.5 Kw (2 Hp)
Compressor Motor	: 1.5 Kw (2 Hp)
Pile up/down Motor	: 0.75 Kw (1 Hp)
Varnish Motor	: 0.374 Kw (0.5 Hp)
Varnish Pump	: 230V, 50Hz, Single Phase AC
Impression ON/OFF	: Pneumatically-operated
Dimensions (L x W x H)	: 6750 x 2140 x 1680 mm (Machine with Dryer)

Features at a Glance

- Stream Feeder
- Pull Type Side Lay on Both Sides
- Coating Unit with Anilox Roller
- Centralized Touch Screen Control Panel
- Varnish Pump & Duct
- Rigid Delivery Grippers
- Double Sheet Detector
- Swing Arm Gripper
- Plate Cylinder for Full/Spot Coating
- Pneumatic Operation
- Removable Cylinder Gripper
- Adjustable Delivery Guides
- Connectable to UV/IR Dryer Unit
- Centralized Lubrication System

Standard supply of UV/IR Dryer unit comprising of the following:

- 12 ft Vacuum Hold-down, Teflon-Coated Fiber Belt Conveyor.
- One IR Module comprising 2 IR Lamps of 3 Kw each.
- One UV Module comprising One UV Lamp of 300 Watts per inch power.
- Automatic Receding Pile with Delivery Stacker.

Optional : Two UV Lamp and Power Saving Feature with PLC Control



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Due to continuous development and product improvements, the company reserves the right to change/alter the specifications mentioned herein.

Add more value to every print job.
Enhance visual appeal and profits
With Autoprint Fine Coat 80



Protects printed matter the eco-friendly way! Autoprint Fine Coat 80

For years, lamination has been used to protect printed matter and enhance print value. In the recent past, however there has been increasing concern over the environmental impact of traditional lamination methods. The durability of lamination has also been questioned.

Addressing both these issues effectively while enhancing visual appeal of the printed is **Autoprint Fine Coat 80**, an offline UV Coating Machine that helps you add value to your print job and tap the growing potential in this market segment.

Besides offering a higher level of protection and enhancing visual appeal, **Autoprint Fine Coat 80** also enhances your profit by increasing speed, efficiency and turn-around times.

Stream Feeder

Autoprint Fine Coat 80 has a Stream Feeding System, which ensures continuous sheet feeding of a wide range of paper stocks from 60 - 450 gsm with ease. Its suction device separates and lifts the paper precisely from the tail end, while the mechanical device feeds the paper to the Register Board through pull-in rollers, continuously as a stream. Feeder is equipped with motorized rising mechanism, which ensures precise lifting of paper table during feeding operation.



Double Sheet Detector

The Electro-Mechanical Double Sheet Detector located at the feeder is programmed to sense any excess sheet fed in to the machine. When this happens, the sheet feeding stops instantly and the double sheet detected message appears on the Touch Screen Panel.



Conveyor Board

The Conveyor Board is provided with adequate runners and brush rollers to ensure smooth and trouble-free feeding of stock from thin paper to thick board, ranging from 60 to 450 gsm.



Pull Type Side Lay

Side Lay registration is essential for precise Spot Coating. This is assured through the Pull Type Side Lay Registration Mechanism provided on both sides of the Conveyor Board. A Knob is provided for fine adjustment "on-the-run".



Swing Arm Gripper

The Swing Arm Gripper provided above the Conveyor Register Board is driven by a cam mechanism. The Arm Gripper firmly grips the sheet after the register process and transfers it to the Coating Cylinder precisely.



Coating System

The Coating System is a 3 Roller Construction with Anilox Roller which ensures consistent and uniform coating throughout the Paper. The coating thickness can be adjusted between 3-5 gsm as per the desired level. This is achieved by skew and pressure adjustment provision available on the Metering Roller. The Varnish Fountain Roller has a continuous drive through a separate Motor to ensure that the Aqueous Solution does not dry on the Duct.

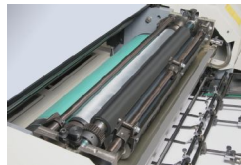


Plate Cylinder for Full/Spot Coating

The Plate Cylinder is designed to fix Coating Blanket for Full Coating application as well as to change-over to Polymer Blocks in case of Spot Coating. The change-over between full and spot coating is quick and easy.



Centralised Touch Screen Control Panel

The controls of Autoprint Fine Coat 80 are housed in a Centralised Touch Screen Panel. This PLC Touch Screen Panel allows easy operation and maximum productivity. This facilitates easy detection of defects and provides relevant feedback of the machine operating conditions.



Pneumatic Operation

The coating system is operated through a Pneumatic Cylinder which is operated through the Control Panel. Hence the coating operations are easy and automatic with the press of a button.

Varnish Duct & Pump

The Varnish Duct is designed to use the expensive coating solution at an optimum level and allows re-circulating of the excess solution back to the reservoir. The Varnish Pump provided

in the reservoir takes care of the adequate supply of solution to the Varnish Duct and re-circulation.

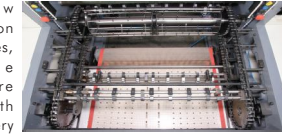


Removable Cylinder Grippers

The Impression Cylinder Grippers are designed in such a way that they can be easily removed and re-fixed. This enables easy cleaning of any varnish spills and ensures smooth functioning of Grippers.

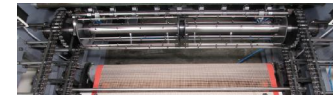
Delivery Grippers

The Delivery Grippers are constructed rigidly to hold thin to thick substrates from 60 -450 gsm. Together with the longer delivery system and air blow ejection nozzles, these ensure smooth delivery of the coated paper to the Conveyor of Dryer Unit.



Delivery Guides

The adjustable delivery guides are designed to avoid scratches or marks on the coated surface.



UV/IR Curing System

Autoprint Fine Coat 80 is connectable to UV and IR Curing System. The standard equipment consists of a 12 ft long Vacuum Hold-down Conveyor, IR Dryer Unit, UV Dryer Unit and an Automatic Delivery Stacker. The Conveyor Belt is made of heat-resistant Teflon-Coated Fibers. The IR Dryer is used to cure Aqueous Coatings which comprise of 2 IR Lamps and a Hot Air Blow System. The UV Drying Unit comprises of one UV Lamp with 300 Watts per Inch Power. The UV Drying Unit is equipped with an Automatic Hood Safety Lifting device which prevents any possibility of fire accident in case of paper jam inside the dryer. The UV Dryer Unit comes with a Power Saving Device. This allows the user to manually select the lamp power between 2 economy and normal modes of operation (Hypernation).

