

AUTOPRINT FINE COAT 80 DRIP OFF



Transfer Cylinders with Anti-Marking Glass Bead Sheets
The Transfer Cylinders are covered with Anti-Marking Glass Bead sheets which ensures the coated sheets are transferred smoothly without any scratches or marks.



Cross Feed Sensor with Front Lay Lock
Any cross sheet in the front lay can be detected with the help of Cross Sheet Sensor. Whenever double sheet and cross feed is detected, the pneumatic system automatically locks the front lay and the paper will not be fed into the cylinder. The feeder will also be cut off automatically.



Centralised Lubrication System with Timer

Autoprint Fine coat 80 Drip Off has an Automatic Lubrication System with Timer, which can be set to lubricate the machine at regular intervals. This enhances the life of the moving parts by preventing wear and tear. Automating the Lubrication System also avoids human dependency thus reduces the risk.



Blanket Jam Sensor

The Blanket Jam Sensor monitors the coated sheets and in case the sheets are interrupted anywhere on the blanket or during transfer, the machine stops immediately with a warning display on the control panel.

Technical Specifications

Maximum Paper Size	:	560 x 812 mm (22" x 32")
Minimum Paper Size	:	250 x 300 mm (10" x 12")
Maximum Coating Size	:	550 x 800 mm
Paper Thickness	:	60 - 450 gsm
Max. Coating Speed	:	6000 sph.
Blanket Size	:	640 x 822 x 1.95 mm (4 ply)
Plate Size	:	640 x 810 x 0.3 mm
Polymer Plate Thickness (For Spot Coating)	:	1.70 x 0.3 x 0.1 mm (for double side tape)
Gripper Margin on Plate	:	35 mm
Gripper Margin on Paper	:	10 mm
Gripper Bite	:	5 mm
Circumferential Image Micro Adjustment	:	30 mm off line
Registration Accuracy	:	± 0.5 mm
Side Lay Fine Adjustment	:	± 1.5 mm
Feeder Pile Height	:	860 mm
Delivery System	:	Chain Delivery
Power Supply	:	3 Phase 440 V, 50 Hz
Coater Power Consumption	:	17 Kw (23 Hp)
Main Drive Motor	:	3.7 Kw (5 Hp)
Compressor Motor	:	1.5 Kw (2 Hp)
Pile Up/Down Motor	:	0.75 Kw (1 Hp)
Lubrication Pump	:	0.18Kw (0.25 Hp)
Varnish Motor	:	0.375 Kw (0.5 Hp)
Dampening Motor	:	0.375 Kw (0.5 Hp)
Inter-deck Dryer Power	:	9.6 Kw (13 Hp)
Dryer Power Consumption	:	18.3 Kw (25 Hp) (for 12 Feet Standard Dryer)
Total Power Consumption	:	35.3 Kw (47 Hp)
Dimensions (L x W x H)	:	8300 x 1900 x 1800 mm (with 12 Feet Standard Dryer)
**Connected load depends on the dryer configuration		

Features at a Glance

- Stream feeder system
- Pull type side lay on both sides
- Motorized pile up/down mechanism
- Dampening system with 4 rollers
- 16 rollers with 3 form rollers & 4 oscillator rollers
- Electro mechanical double sheet detector
- No sheet detector
- Swing arm gripper
- Changeable anilox roller with 300 LPI standard
- Cylinder system for flood & spot coating
- Separate geared motor for the coating unit
- Pneumatic operation
- Diaphragm varnish pump
- Connectable to UV/IR dryer unit
- De-clutching of offset priming unit
- Inter-deck UV drier-1 UV lamp, 300 W/inch, sensor controlled automatic shutter on/off along with low/high power, air cooled, EPS type power pack with 10% - 100% control of UV intensity
- Quick change clamps for plate cylinder
- Automatic lubrication unit
- High speed PLC based control with 7" touch screen
- Main motor with brake for instantaneous stopping of machine for operator safety
- Plate bending provision
- CE compliant machine

Optional Features

- Ultrasonic double sheet detector
- Spare anilox roller assembly
- Plate register punch
- Peristaltic pump
- Antistatic device
- Anilox roller lifting arrangements

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 Stack.
- 12ft High Pile Dryer with additional IR & UV lamps. (Optional)



ensuring value driven relationship

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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 Drip Off



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

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 material, Autoprint satisfies the customer need of higher productivity and additional safety features by designing new **Autoprint Fine Coat 80 Drip Off** model. This machine runs at enhanced speed with CE standard safety features and has added features to make it user friendly and more productive. **Autoprint Fine Coat 80 Drip Off** is an offline 2 tower UV and Aqueous coating machine that help you to add value to your print job and tap the growing potential in this market segment. This machine is specially designed to give high quality special coating effect on printed products.

Stream Feeder

Autoprint Fine Coat 80 Drip Off 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.



Ultrasonic Double Sheet Detector

The Ultrasonic 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 - 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 3-8 gsm as per the desired level with different combination of anilox and rubber roller. 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.



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.



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.



PLC Touch Screen Panel

The controls of Autoprint Fine Coat 80 Drip Off are housed in a PLC 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.



Changeable Anilox Roller

With the provision of changeable Anilox Roller it is possible to do different types of coating with minimum changeover time.

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.



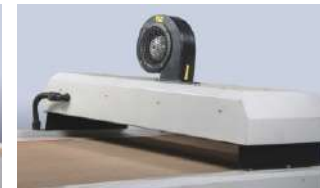
Delivery Guides

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



UV/IR Curing System

Autoprint Fine Coat 80 Drip Off 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).



Offset Priming Unit

The offset priming unit contains 16 roller systems with 3 form rollers and 4 oscillator rollers. This unit is provided with dampening system with 4 rollers. All rubber rollers are made up of special material for long life and are easily removable.



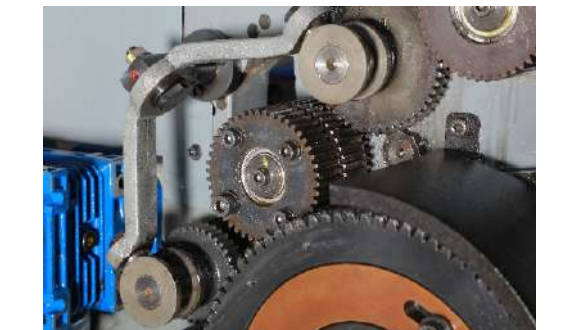
No Sheet Detector

The Electro-mechanical No Sheet Detector senses if there is no paper feed and automatically disengages the impression cylinder.



Inter-deck UV Dryer

The inter deck drier consist of one UV module with 0-100% low/high intensity control along with shutter type on/off.



Declutching of Offset Priming Unit

The offset priming unit has a declutching mechanism to disengage the roller unit in case drip off priming is not required. This increases the life of rubber rollers.

Circumferential and Lateral Movement of Plate Cylinders

The Plate Cylinders can be moved precisely on both circumferential and lateral directions for adjusting the registration settings.

