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Thaimadam Machines

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Two Colour Flexographic Printing Machine

General Specification

Electrical Specification

Optional Attachment



User friendly Control Panel

Reversible for both side printing

Compact and Sturdy design and construction

The basic design is made from the point of view of machine-operator and is user friendly. The air circulation through silent blowers makes the efficiency of the print drying faster and with less pressure on the substrate and reduced noise, and electrical power.

Each printing unit is adequately lighted up to enable the easy setup, and observation of the progress of the production. Stereo roller system is smoothly and perfectly designed to enable quick and easy change of stereo rollers and fixing of stereos on the machine.

The built-in control panel is extremely comfortable for the operators. Almost all the basic operations on run-time can be done from the panel. The operator can on/ off main-drive, increase/decrease the winding torque, speed of main-drive etc., on/off dryer system, fans, lights etc. from control panel. Special push button is provided with every control panel to advance the main drive so as to adjust and fix stereos easily. Necessary pilot lamps are provided so that the status of the machine and switches can be ascertained at any point of time.

General specifications

Web Feeding System	Shaft unwinding system with felt-clutch for break	1 Units
Web winding System	Shaft winding system with Torque Motor	1 Units
Drying System	By heaters and fans mounted on top of printing unit with enclosure to distribute on both side	6 systems
Required floor length	3 Meters for convenient operation	
Machine Height	3 Meters	
Machine Width	Depends on the various web width of the machine	

Electrical specifications of the available sizes

All drive motors are three-phase AC motors with Variable Frequency Drive

Web Width	Drive motors	Heating Load	Lights
50 CM	2 HP	1.5 KW 6 Nos.	200 W
60 CM	2 HP	1.5 KW 6 Nos	200 W
75 CM	3 HP	2 KW 6 Nos	200 W

100 CM	5 HP	3 KW 6 Nos	400 W
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Optional Attachments :

- 1. Web Tension Controller :** Micro processor controlled Web Tension Controller is typical attachment for accurate maintenance of print registration. Irrespective of the the feed roll size the tension of the web will be maintained uniformly through out printing session using electronic tension sensors. Micro computer based electronic system assure the accuracy of the operation.
- 2. Web Aligner :** The attachment can be mounted at the feed section and/or at the winding section. If attached at the feed section, it will assure the alignment of the feed rolls even if the feed roll is slipped or is not properly wound for use in printing machines. One edge of the feed film is sensed by air sensors (pneumatically) or by electronic light sensors and the feed roll is aligned and adjusted to the main web line. If it is fitted to the winding section, it will assure the perfect wound rolls in the out put, even if the feed rolls are defective in winding, or if some operational mistake occurred so that it may vitiates the proper winding. It will help the subsequent use of the printed rolls in automatic packing machines.
- 3. Additional Feed-System and Wind-System :** Additional Feed-System and Wind-System help to print more than one roll of substrate simultaneously. It will help to increase the production considerably.
- 4. Tube Gusseting Attachment :** While the printing process is going on the printed tubing can be universally gusseted (to fold both sides to inside). This will help to save power as well as labour for doing the same afterwards.
- 5. Bottom sealed bag maker :** Can be attached to the printing machine to convert the printed plastic heat-seal able tubes into pouches. Will help to save power as well as labour for doing the same afterwards.
- 6. Additional Stereo Rollers :** Additional Stereo Rollers are available for any standard size or custom size.