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6 Colour CI Flexo Press 24" Economy Model



Minimum size economy model. It is typical solution for low budget projects. The design is for minimum cost with out compromise to performance results.

Perfect maintainance of acuracy of colour registration

The main advantage of CI Flexo machine is the capability to keep acurate register of diffrent plates (colours) irrespective of the variation in web tension or speed of the machine. The substrate is plugged to the main Central Impression drum by a nip roller and all the impressions are put on the same drum. This isolate

the unwinding web tension from the rest of operation of printing. Wrapping of the substrate around the curved surface of the Central Impression drum completely eliminates the chance for wrinkles in extreme thin substrate. The meshing of every Plate Drum Gears to the Main Drum Gear directly without any intermediate eliminates the chance of back-clash and possible register variation. Even if the web tension, in unwinding or re-winding parts, are varied the accurate register of printing colours maintained unchanged.

Speedy quering system

The highly conductive Central Impression drum enable the application of enormous heat directly to the substrates without harm. This evaporate the solvent instantly and the speedy quering of the print enabled. This factor increases the speed of printing machine and high output is assured.

Air cooled Stainless Steel Central Drum

Main Central Drum is the heart of the CI Flexo machine. The Drum is prepared from high quality Stainless Steel. Adequately protected by its basic structure. Heavy duty steel structure and dynamic balancing of Central Drum & Main Gear make the system move smoothly and vibration free. The cooling system built in the Drum keep it adequately cooled.

Nylon mesh gear protect the Main Central Gear from wear & tire

The gears meshing with the Main Central Gear are made of Nylon to protect the Main Gear from wear & tire assuring trouble free function and very long life.

Easy mounting of Plate Drums

The mounting system of Plate Drums are designed from the point of view of operator. Quick change of Plate Drum is assured without help of any tools.

Easy Mounting of Anilox Rollers

In CI Flexo machines the change of Anilox Rollers are invariable depending on the design properties. Frequent cleaning also is necessary to keep the quality of jobs. So the mounting of Anilox Rollers are designed for easy operation handling of Anilox Rollers.

Perfect Chambered Blade System

Chambered Blade System for ink supply to Anilox Rollers assure uniform and consistent application of ink on to the Anilox Roller and thereby perfect impression is obtained. The careful angle setting guarantee the long life for the Doctor-Blade and anilox Roller as well as the optimum level of ink supply. Our Chambered Blade System is designed to keep up international standards in application.

Innovative Ink Tank

Our R&D department came up with a unique Ink Tank which is attached to the Chambered Blade System. It helps very easy handling of ink. Enclosed Ink Tank and Chambered Blade System minimise the use of solvent for the ink and keeping consistency in viscosity and colour. It reduces the solvent consumption to 1/3 when compared to open tray ink application.

Safety-Chuck for roll loading

The application of Safety-Chuck system to unwinding and rewinding system enables smooth tool free work for roll changing. The roll changing operation is reduced to less than three minutes by the use of innovative Safety-Chuck system.

Carefree Auto Web alignment

The use of Hydro-Pneumatic Automatic Web Aligner makes the feeding system trouble free in operation of web management. Initial wastage of materials on roll changing is completely eliminated.

Quick roll changing system

The use of Safety-Chuck system and spare feeding shaft enables the feeding system trouble free and quick. The roll changing time is considerably reduced to less than three minutes. The production is enhanced considerably.

User friendly Control Panel

Control Panel is the main tool of operator and so the control panel is designed from the operator's point of view. Necessary motor drive controls, temperature controls, speed controls, etc. are properly arranged. Necessary switches and pilot-lamps are provided for trouble free operation. Necessary digital displays are provided for easy status finding.

Compact Design

The total machine is compactly designed for minimum space and optimum performance.

Silent Operation

Careful employment of nylon gears makes the gear system silent and smooth without compromising any quality of the machine in operation or output. It assures long durability and minimum tire. Minimised use of gears in in-feeding and out-feeding systems reduces the chances for sound.

The use of double suction silent blowers for quering system also contribute to the silent operation of the machine.

Ceramic Heating System

The use of ceramic heaters, fully insulated, enable the curing system very efficient. The radiation and convection system of heat exchange is very efficiently employed. The ample air flow ensure speedy evaporation of solvent and consistency in temperature. Digital Temperature Controls ensure accuracy of temperature through out the operation. Blowers and heaters are automatically deployed and shut down eliminating the possible neglect of operators and thereby considerable saving is achieved.

Protective Safety Systems

All necessary protective systems are installed on mechanical side as well as electrical side. All the gear systems are protectively covered. Moving parts are safely installed. All necessary protective devices are installed in electrical systems. Emergency switches, emergency shut down etc. Are provided in different parts of the machine.

Substrate Reversing System

By the use of this system the substrate is carried from printing unit after 3rd printing station to a cross bar system where the substrate is tilted to reverse side. Then it is guided back to the 4th printing unit and the rest printing units print on the other side. Thus both sides can be printed simultaneously, both side three colours each

General Specifications [\(Back\)](#)

1	Web Width	600 mm (24")
2	Number of printing units	Six
3	Printing method	Central Impression Flexographic system
4	Unwinding	Shaft unwinding with Safty-Chuck System
5	Rewinding	Shaft unwinding with Safty-Chuck System
6	Drive	Synchronized two drive system
7	Quering of print	Hot air blow system <ol style="list-style-type: none">1. Around the main Central Impression drum.2. Inside the over head quering chamber

Electrical Specifications [\(Back\)](#)

1	Main Drive	5 HP 3 phase motor with VFD controle	1 No.	3.750 KW
2	Rewinder Drive	2 HP 3 phase motor with VFD controle	1 No.	1.500 KW
3	Blowers	0.6 HP double suction centrifugal blower	3 Nos.	1.350 KW
4	Air Heaters	1 KW	14Nos.	14.000 KW
5	Flourecent TubeLights	40 W each	3 Nos.	0.120 KW
6	LED Lights	7 W each	6 Nos.	0.042 KW

Diamentions [\(Back\)](#)

Diamentions are approximate. May require more space for comfortable use of machine

1	Length	6 Meters
2	Breadth	2.5 Meters
3	Machine Hight	3 Meters

Standard Accessories [\(Back\)](#)

1 Chrom Anilox Rollers 300 LPI	6 Nos.
2 Plate Rollers - Print length – 1 sets	6 Nos.
3 Unwinding shaft with 2 cone & 1 Core Jack	1 Set.
4 Rewinding shaft with 2 cone & 1 Core Jack	1 Set.
5 Standard tools	1 Set.

Optional Attachments [\(Back\)](#)

1. Plate Rollers
2. Ceramic Anilox Rollers
3. Automatic Web Alaigner
4. Automatic Tension Controle
5. Web Viewing System
6. Automatic Colour Registration Controle