

MANUFLEX

THE NEW GENERATION
GEARLESS C.I.FLEXO PRINTING PRESS



MANUGRAPH
Technology in Print

COMPANY PROFILE

Manugraph India Ltd. has been at the helm of India's print manufacturing industry for almost half a century and are global leaders in the manufacturing of newspaper, book and magazine printing machines. The company has diversified into the flexible packaging sector and has manufactured its first C.I.Flexo Press, MANUFLEX, gearless C.I.Flexo Press.

The press has been manufactured at Manugraph's sprawling 98,800 sq. meters Kolhapur facility equipped with ultra modern facilities of quality, design, development, production, installation & servicing. With MANUFLEX now being offered in India, customers from the Indian sub-continent will be assured of world-class quality, an immense saving on foreign exchange, no expense on duty and shipping and quicker after sales service.

KEY FEATURES

- Auto Deck Positioning
- Fully Auto - Turret Type Unwinder/Rewinder
- Unwinder with Roll Lifting Arrangement
- Web Viewing System
- Enclosed Doctor Chamber System & Easy to Replace the Blade
- Ceramic Anilox Sleeve
- Edge Guide at Entry and Exit
- 5 Mtr Long Drying Tunnel for Improved Drying
- User Friendly Operating Console
- Semi Auto Cleaning System for the Doctor Chambers & Anilox



MANUFLEX 1308-350 - Gearless

Number of sections	: 8
Printing Speed	: 350 m/min
Printing Width	: 1300 mm
Repeat	: 400 to 850 mm

MANUFLEX - A TRIUMPH OF INDIAN & EUROPEAN TECHNOLOGY

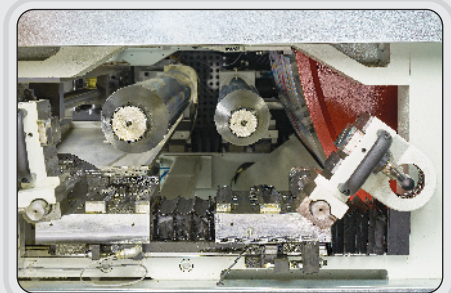
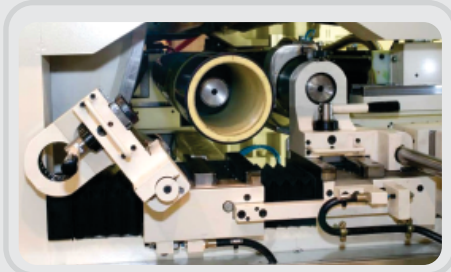
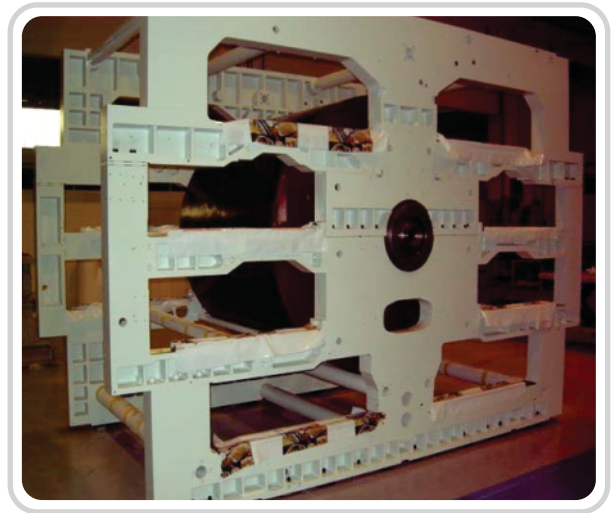
MANUFLEX 1308-350, has been manufactured by Manugraph in collaboration with Carraro, S.R.L, of Italy, known as the father of C.I.Flexo technology. The press belongs to the new generation of gearless C.I.Flexo presses and is " Made in India" machine which offers you a distinctive edge with key features made to suit the Indian market.

Using advanced technology, one of MANUFLEX'S key features is an auto deck position control, which helps accuracy in pre-register. The set up time is also reduced to a minimum which helps in reducing start-up waste. When setting up a job, the repeat size can be keyed in and the deck will be positioned automatically. Once fine tuning is complete and required parameters are met, the job can be saved and recalled for any future production run. Manuflex is ideal for all types of print jobs from short to long runs.

The major components on the press are sourced from Europe such as the central drum, servo drives, PLC and controls etc. which guarantees reliable machine performance for a long time. System's remote controlled assistance and maintenance through Siemens TIA portal, Scout software installed on Machine to ensure hassle free operations round the clock. Additionally Manugraph's renowned after-sales service is available for customers worldwide.

SOLID MACHINE FRAME DESIGNED FOR MAXIMUM STABILITY

The solid and stable machine frame is used for maximum stability and to provide unchanging print quality at high speed. The cast iron frame is pre-stressed and properly ribbed to avoid vibrations during the printing process. The cantilever designed plate and anilox sleeves comes with the enforced sliding support with a double bearing to ensure the perfect fitting and stability of both the plate & anilox mandrels which results in NO vibrations.



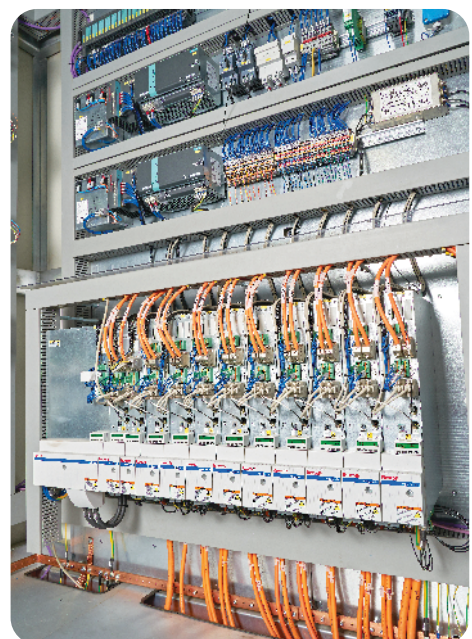
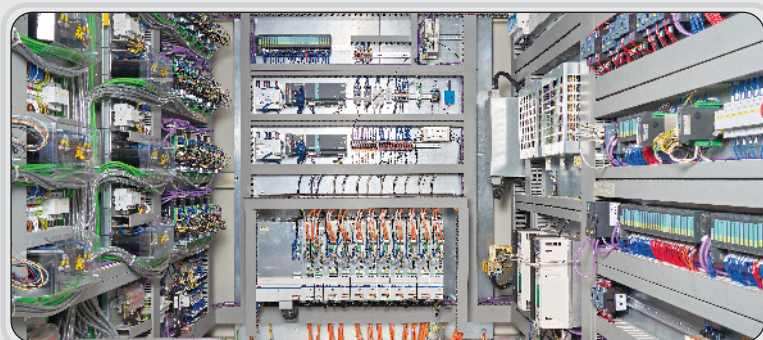
MANDRELS FOR PLATE & ANILOX

High Stiffness - Low Inertia

Absorbs Vibrations and Reduces Bouncing Effect
Ensures Optimal Print Quality at High Speeds
and on Minimum Repeats

AIR CONDITIONED - CONTROL SHELTER

An air conditioned electric container located on the mezzanine floor has been designed to provide free space for maintenance & problem solving. All wiring complies with CE regulations.



OPERATOR FRIENDLY CONSOLE PANEL

The operating panel allows for the operator to control the press from a single screen, which is user friendly and easy to understand.

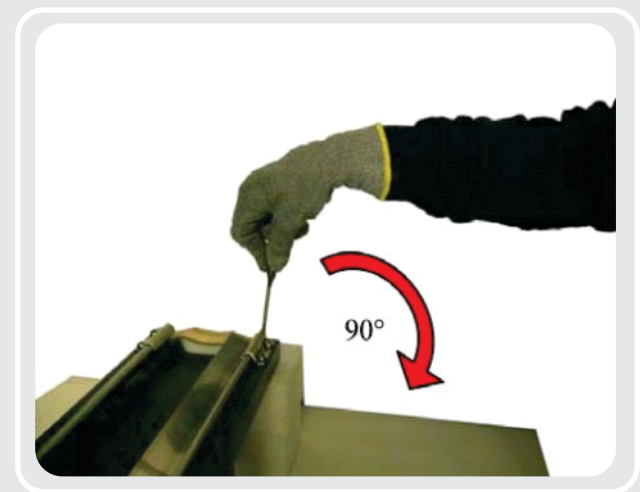


DOCTOR BLADE CHAMBER

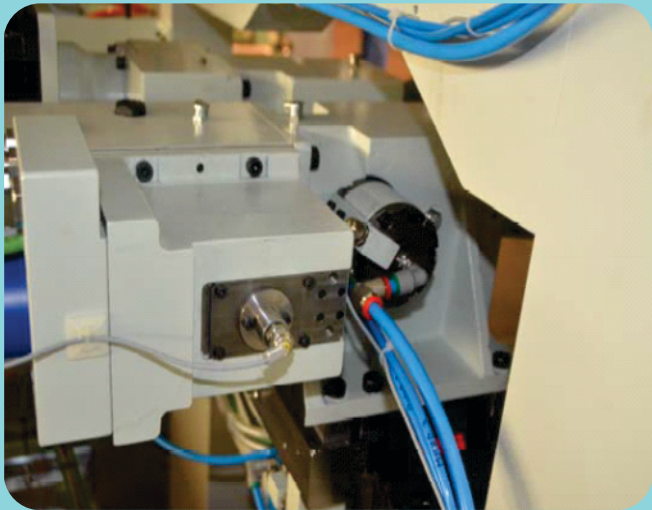
- Interchangeable Chambers to be used on any Deck
- Ergonomic tool-less concept
- Quick change of end seals when the doctors chamber is inside the machine.



Quick clamping system by means of eccentric bar change of blade aboard deck.



Pre lubricated end seal to reduce friction on the anilox surface and allow a long lasting performance of the seal.



REGISTER ADJUSTMENT

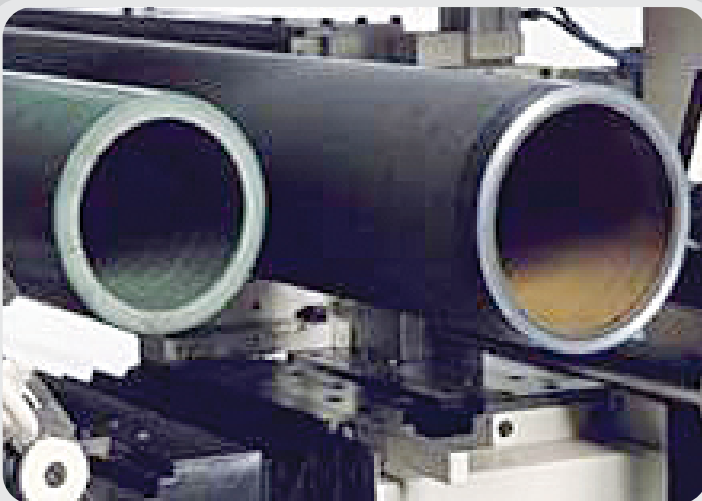
Fully automatic printing pre-register adjustment. The operator inserts repeat in the system and sets the machine for printing by positioning longitudinal and side registers in the best position.



EXTENDED DRYING TUNNEL FOR MAXIMUM EFFICIENCY

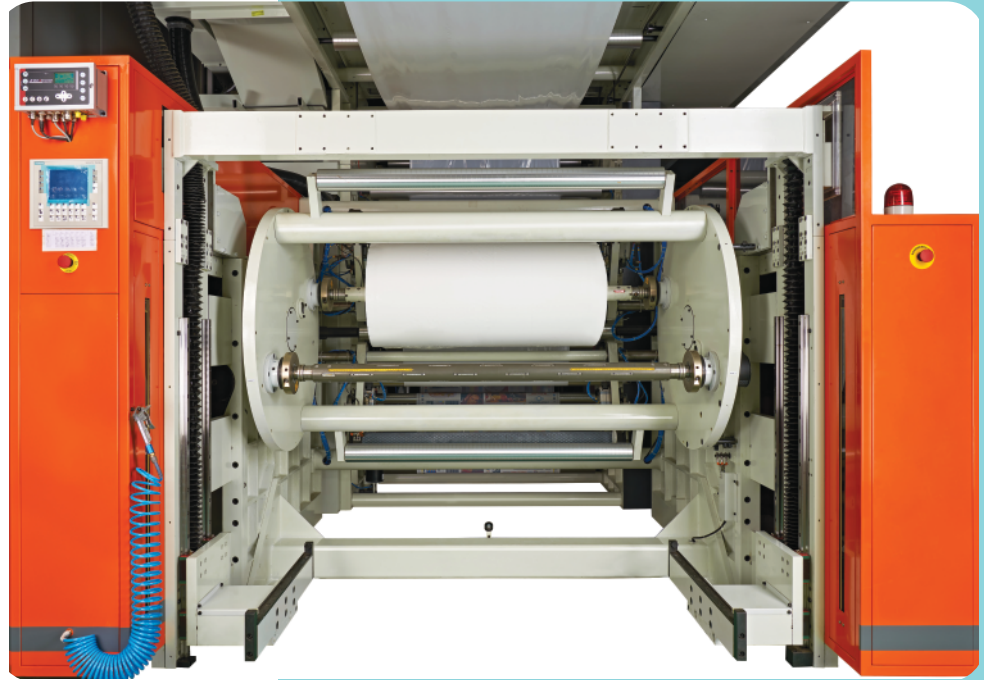
High efficiency drying tunnel (5 mtrs) with drying boxes, and 4 fans. The drying circuit is spread over 4 zones, which automatically activates itself as per the set temperature & the speed. This helps to ensure there is complete ink drying during high speed production.

TOOLLESS SLEEVE CHANGE



FULLY AUTOMATIC UNWINDER WITH ROLL LIFTING ARRANGEMENT

Manuflex comes with automatic splicing at unwinder at production speeds. Tension controls on unwinder are fully automatic through PLC control.



AUTOMATIC REWINDER

Splicing can be done at production speed in different modes. i.e. diameter / sequential & length.



OPTIONAL FEATURES AVAILABLE

- Auto Pressure Setting
- Auto Register Control
- Auto Cleaning System
- Gas Heating System
- Carona Treater
- LEL System

SUITABLE FOR PRINTING ON

Polyethylene (PE), Low Density Polyethylene (LD PE), Polypropylene (PP), Biaxially Oriented Polypropylene (BOPP), Polyester (PET), Paper, Aluminium Foil, Breathable Film.

SOME FIELDS OF APPLICATION

- Bakery Products
- Lamination - Snack food
- Paper Bags
- Medical Application paper sachet
- Milk film/ Oil film
- Pet food
- Printing on Breathable film for diapers and packaging of diapers
- Security courier bags
- Preprint for corrugation



MANUGRAPH

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