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Lasting Impressions of Colours



An ISO 9001 Company

📍 A1/16, G.I.D.C. Estate, Phase-II, Vatva, Ahmedabad 328 445 Gujarat (INDIA)

☎ +91-79-4008 3551/52/53 📠 +91-79-4008 3554

✉ info@ctrivedi.com, ctrivedi@ctrivedi.com 🌐 www.ctrivedi.com

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Converting & Flexible Packaging Machinery

ROTOGRAVURE PRINTING MACHINE

GRAPHICA STANDARD

STANDARD MODEL

C. Trivedi & Co. has introduced 2 variants in standard Model one for flexible packaging market Standard 1 Model / Standard-2 Model for newly expand BOPP Market for woven fabrics.

Up to 10 colour rotogravure printing machine featuring top performance machine and efficiency to the growing demand.

Incorporate devices to facility for production process increasing machine output. Modular printing station each being complete in itself for easy adoptability of extra station when required.

TECHNICAL SPECIFICATION

SPECIFICATION	STANDARD - 1	STANDARD - 2
Material	Polyester, Film, Foil, BOPP/LD/LLDP/Paper	
Working Width	up to 1000mm	up to 1200mm
Print Repeat Range	400 to 1000mm	450 to 1200mm
Doctor Blade System	Fix Type	Adjustable Type
Drying System	Single Side Closed Chamber	
Heating System	Electrical / Hot Air / Thermic Fluid	
Machine Speed	150 MPM	150 MPM
Gear Box	Simple Type	Sleeve Type
Dimension of Station	500 x 2275 x 50	600 x 2275 x 50

PRINTING HEAD

- Cast iron plate with individual foundation base
- Festo make pneumatic cylinder & panels for imp. Rollers doctor blade
- Shanthi make spiral level gearbox with profile hardened & ground specially develop
- Linear ball screw assembly fitted with special gear box for registration control (motorized)
- Efficient drying chamber system with one & one counter air flow inlet & equally distributed exhaust (With pneumatic opening)
- Individual inspection box facility on each station
- Any time upgrade for auto registration system. (Mechanically update)

UNWIND STATION

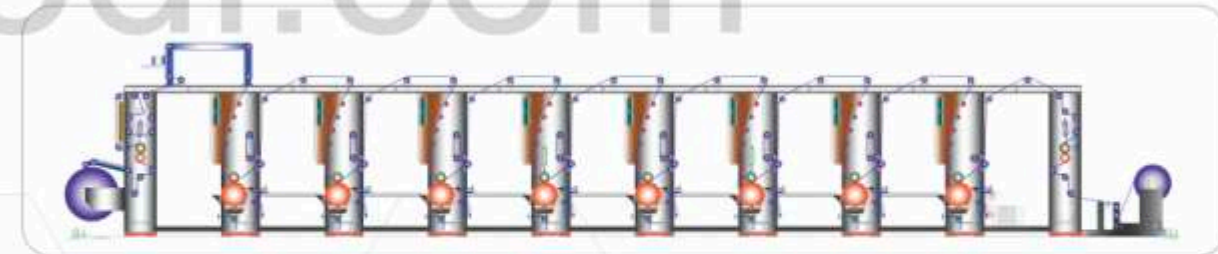
- Moveable type linear bearing unwind with web guide & tension control

REWINDING

- Auto tension control for rewind station with load cell

OPTIONAL ATTACHMENT

- Auto registration system
- 5 drive system with In feed Out feed station complete
- Web video scope system
- Air Shaft 76mm / 150mm
- Servo Drive & Motor



Layout Drawing For 8 Colour Rotogravure Printing Machine Standard-2 Model



ROTOGRAVURE PRINTING MACHINE- GRAPHICA

GRAPHICA HIGH SPEED

HIGH SPEED – GRAPHICA 2500

GRAPHICA series is a newly developed machine in the Rotogravure Printing Machine category. It is a product developed with the help of continuous research and development. Graphica-2500 is the most advanced Rotogravure Printing Machine developed by the C. Trivedi & Co. It not only holds aesthetic value but also delivers straightforward brilliant solutions which ensure high optimisation and dependability together with end product quality and versatility, meeting the demand of a fast evolving business.

SALIENT FEATURES

- Modular printing station each being complete in itself for easy adaptability of extra station when required
- Specially designed compensator roll with ball screw to achieve extra-fine registration
- All rollers are dynamically balanced to ensure noise and vibration free operation for accurate printing
- The unique design of the impression roller ensures even application of pressure across the entire width of the substrate
- Closed type single side drying oven & special type one & one type counter flow arrangement for exhaust and air blowing to get high speed drying
- Individual control panel at each station for all electrical controls & pneumatic system
- 5 Drive Servo motor and drive base web tension control system with dancer roll feedback & loadcell sensing for infeed & outfeed, Unwind & Rewind Synchronized with main Motor.
- Auto Registration Control System for horizontal & vertical both.

TECHNICAL SPECIFICATION

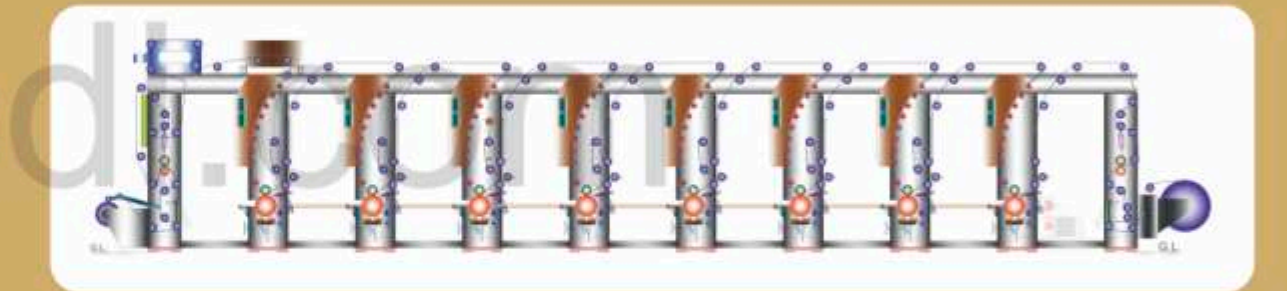
- Max. web width : 800 / 1000 / 1200 mm
- Maximum operating speed: 200 meters/min.
- Print repeat range: 450 to 1000mm (1200mm on demand)
- Printing materials: Foil, Paper, Polyester, BOPP, PP, PVC, LDPE etc.
- Drying source: Electrical / Thermic fluid / Gas
- Dryer: Closed type single side drying oven
- Dimension of printing station: 600 x 2500 x 65mm
- Registration longitudinal: Motorised ball screw
- Lateral: Motorized
- Tension Control Feedback: Through Dancer roll & Load Cell

OPTIONAL ATTACHMENT

- Video scope
- Automatic Registration Control System
- 7 Drive with turret
- Ink circulation system
- Auto splicing
- Plc base functions
- Pid control with exhaust with drive controls
- Lubrication system

ALSO AVAILABLE MODELS

- Rotogravure Printing Machine with Electronics line shaft
- Shaft less cylinder chucking system



Layout of Graphica Rotogravure Printing Machine – High Speed

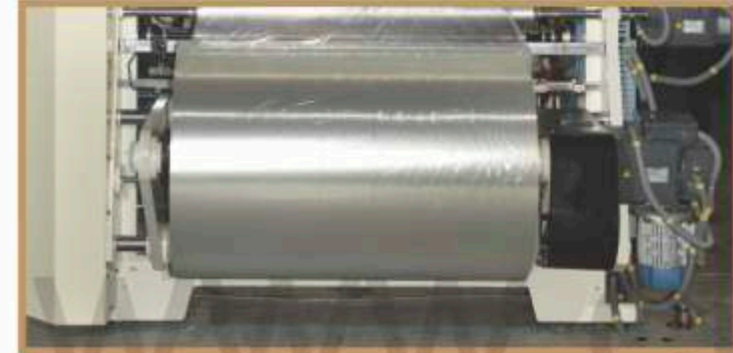


ROTOGRAVURE PRINTING MACHINE- GRAPHICA

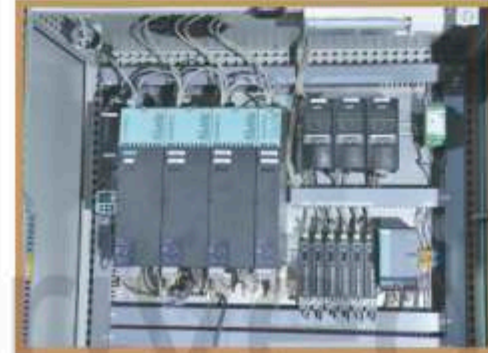
Unwind, Rewind, In-feed, Out Deed & Main Drive Tension Control by HMI Touch Screen / Plc Control.



Motorized Web Video Inspection System with Traverse Bar Mounting



Shaft less Unwind & Rewind with Servo Motors & Ultrasonic Edge Guide Sensor



Digital Servo Drive & Panel From SAAPL Automation

ROTOGRAVURE PRINTING MACHINE- GRAPHICA

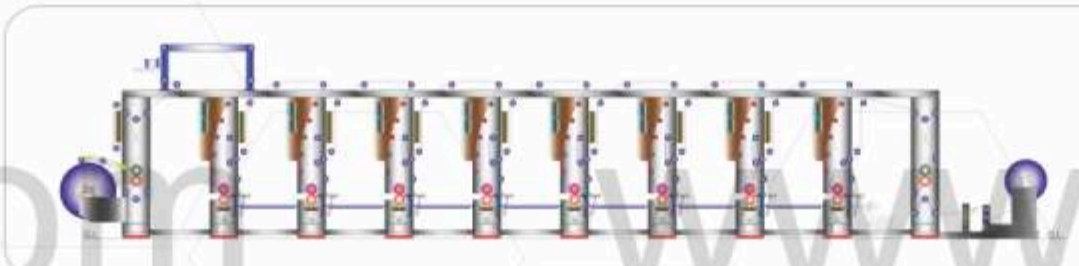
ECONOMY MODEL

C. Trivedi & Co. specialises in manufacturing high quality Rotogravure Printing Machines enabled for Short run, High quality printing producing a sharp, fine image specially for carry bags, Shrink PVC, Foil & best for new comer.

Available up to 8 colour printing, the Economy model is a cost effective alternative and gives best result at a speed of 80 - 100M/min.

TECHNICAL SPECIFICATION

- Material to be print: Polyester, Shrink PVC, Film, Foil/BOPP/LD/LLDP & Paper
- Working Width: Up to 1000mm
- Print Repeat Range: 400mm to 1000mm
- Drying System: Single Side closed chamber
- Speed: 100 M/Per Min. (Max.)
- Heating System: Electrical/ Hot Air
- Dimension of station: 400 x 1940 x 32



Layout of Graphica Rotogravure Printing Machine - Economy Model

GRAPHICA ECONOMIC

OPTIONAL

- 5 Drive system with in feed out feed station complete
- Motorized Tension Control
- Turnbar System • Web Video System



SALIENT FEATURES

Printing Head

- Cast iron size 400 x 1940 x 32 for each station.
- Pneumatic system for Imp. roller and doctor blade
- Specially developed spiral bevel gearbox, for cylinder drive. (Shanthi Make)
- Linear ball screw assembly fitted with special gear box for registration control (motorized)

Unwind

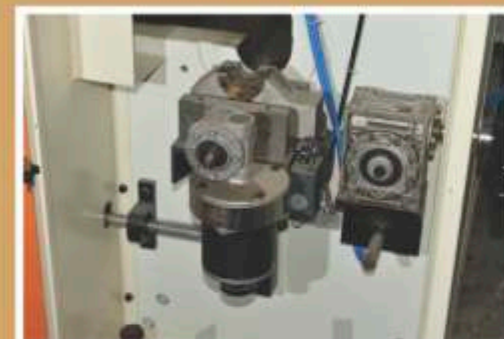
- Electrical powder brake system with load cell feedback or motorized
- Suitable dia of parent roll 800mm
- Moveable type linear bearing unwind with web guide

Rewinder

- Motorized AC drive for Rewinder suitable up to 800mm dia.
- Fixed type Rewinder with single shaft mounting assembly



One & One Type Counter Air Flow Arrangement with Pneumatically Operated Dryer



Motorized Side Registration Control



Adjustable Doctor blade assembly