

LASTING IMPRESSIONS OF COLOURS

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Converting & Flexible Packaging Machinery

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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.

C. Trivedi still make Economical Printing Machine also up to 100 MPM for Shrink PVC, Foil & Best for New Comers.

Upto 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	ECONOMICAL	STANDARD-1	STANDARD-2
Material	Polyester/ Film / Foil /LD/LLDP/Paper	Polyester/ Film / Foil /LD/LLDP/Paper	Polyester/ Film / Foil /LD/LLDP/Paper
Working Width	Up to 1000mm	Up to 1000mm	Up to 1200mm
Print Repeat Range	400 to 1000mm	400 to 1000mm	450 to 1200mm
Doctor Blade	Fix Type	Fix Type	Adjustable Type
Drying system	Single Side Closed Chamber	Single Side Closed Chamber	Single Side Closed Chamber
Heating System	Electrical/Hot Air/Thermic Fluid	Electrical/Hot Air/Thermic Fluid	Electrical/Hot Air/Thermic Fluid
Machine Speed	100 MPM	150 MPM	150 MPM
Gear Box – Shanthi Make	Simple Type Hardened	Simple Type Hardened & Profile Ground	Sleeve Type – Hardened & Profile Ground
Dimension of Station	400 x 2095 x 35	500 x 2275 x 50	600 x 2275 x 50

PRINTING HEAD

- Cast iron plate with individual foundation base
- Shanthi Make Spiral Level gearbox with profile hardened & ground specially develop
- Festo make pneumatic cylinder & panels for imp. Rollers doctor blade
- 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
- Anytime upgrade for auto registration control system. (Mechanically update)

UNWIND STATION

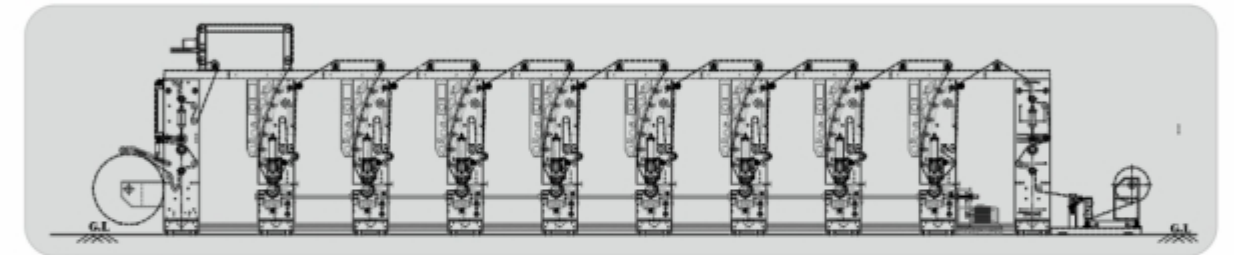
- Movable type linear bearing unwind with Ultrasonic web guide & Tension Control System.

OPTIONAL ATTACHMENT

- Auto Registration System
- 5 Drive System with In feed, Outfeed station complete
- Web video scope system
- Air shaft 76mm / 150mm
- Servo Drive & Motor
- Unwind Rewind: Shaft Less

REWINDING

- Auto Tension Control for rewind station with load cell



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



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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 straight forward brilliant solutions which ensure high optimization and dependability together with end product quality and versatility, meeting the demand of a fast evolving business.

SALIENT FEATURES

- Heavy duty & highly precision machined structure to give accurate printing at high speed
- Unwind & Rewind Turret Type at both end are Heavy duty constructed with imported safety chucks, Shafts, Servo Motors with Linier Type Auto Splicing at full speed With Ultrasonic edge guide.
- Machine can be provide without Turret with Shaft less / Shafted unwind Rewind.
- Machine is Heaving option of fix type Ink Circulation System with Tray & Tank. Or Can be provided with Ink Trolley system with ink circulation by pneumatic or Flame Proof Motorized Pump with Tank.
- Machine is fully equipped with Unwind & Rewind static control + special type explosion proof static bar provided before & after printing on each station.
- Machine can be provided in MLS / Shaft Less & ELS design.
- Special Type dancer system provide for Unwind & Rewind Tension Control with individual air tank for continuous air.
- Machine can provided with Imported Auto Registration Control & web video system.
- Skada base machine controlled ensure one touch recall all process parameters & MIS.
- Remote support via Internet.

TECHNICAL SPECIFICATION

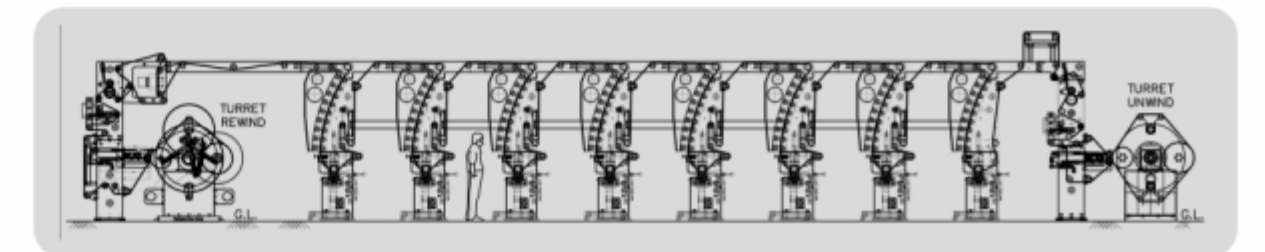
- Maximum Web width : 800 / 1000 / 1200mm
- Maximum operating Speed : 250 MPM
- Print Repeat Range : 450 to 1000mm (1200mm on demand)
- Printing Materials: Foil, Paper, Polyester, BOPP, PP, PVC, LDPE etc..
- Drying Source : Electrical / Thermic Fluid / Gas
- Dryer : Closed Type single side drying oven
- Dimension of Printing Station : 650 x 3100 x 55 & 30mm



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OPTIONAL ATTACHMENT

- Ink Viscosity Control & Ink Cooling System
- Chilling Roll on each station
- Ink Print defect system
- ESA System on each station.
- Turn bar system with web guide & Air flow in turning pipe.



Layout Drawing For 8 Colour MLS / ELS Machine with Purret

HIGH SPEED - GRAPHICA SHAFTLESS 2500

C. Trivedi has successfully make Graphica 2500 series & it's working satisfactory from last so many years. C. Trivedi has given the machine with shafted cylinder design successfully now they have introduce this series with shaftless design.

This series can be also supply with shafted and ELS optional also.

SALIENT FEATURES

- Modular Printing Station each being complete in itself for easy adoptability 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

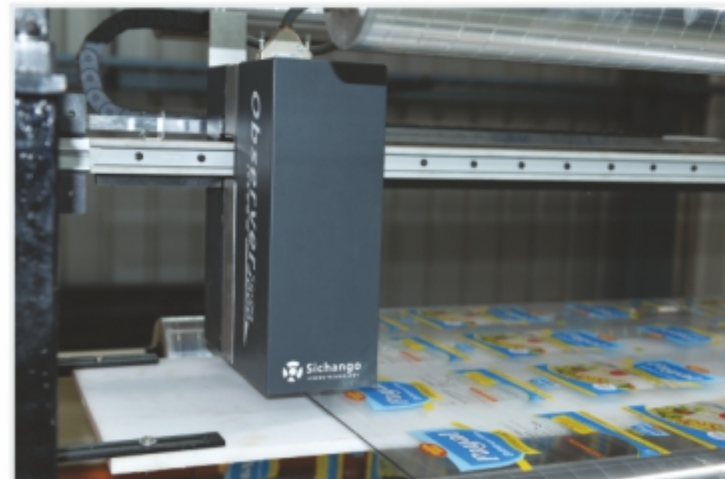
- Maximum Web width : 800 / 1000 / 1200mm
- Maximum operating Speed : 200 MPM
- Print Repeat Range : 450 to 1000mm (1200mm on demand)
- Dimension of Printing Station : 600 x 2500 x 65mm

OPTIONAL ATTACHMENT

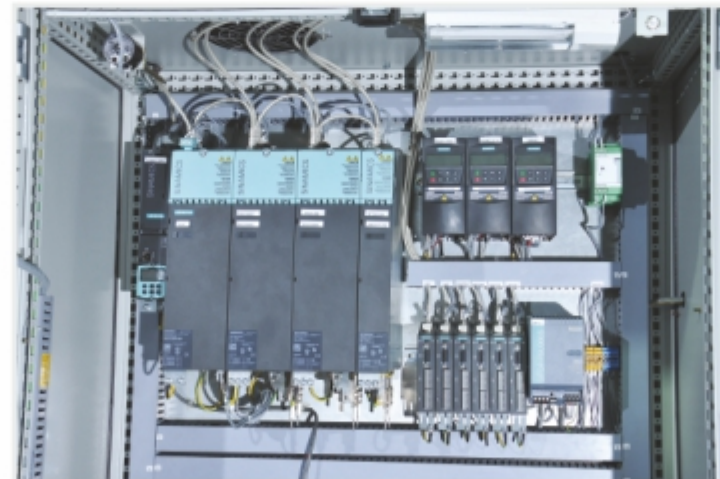
- 7 Drive with Turret



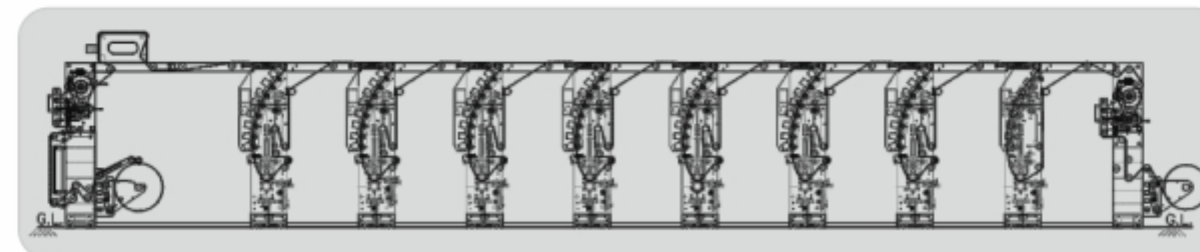
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Motorized Web Video Inspection System with Traverse Bar Mounting



Digital Servo Drive & Panel From SAAPL Automation



Layout Drawing For 8 Colour Rotogravure Printing Machine Standard-SHAFT LESS Model