

STOP



Stop Cylinder Press

HIGH SPEED HIGH ACCURACY




GRAFICA[®]
FLEXTRONICA

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The machine is built sturdy and offers accurate registration at full speeds thus maintaining higher standards for more durability. It is manufactured under strict quality control by our highly experienced team. The parts of these machines are made with sophisticated CNC equipments to achieve highest accuracy and reliability.

In STOP CYLINDER principle the cylinder rotates only in one direction and remains stationary while the screen returns to the start position. In this case the substrate gets full time to perfectly align with front and side lay thus avoids sheet push back. While the screen returns back to the start position simultaneously flood coater moves down flooding the ink all over the screen. The substrate is then properly

gripped while cylinder stops during flooding operation resulting in no sheet movement. This system delivers the most accurate register than a SWING CYLINDER principle and guarantees perfect repetition accuracy even at full speed range.

Cylinder press also allows to maintain minimum off-contact and lower squeegee pressure thus reduces print distortion. Fast pneumatic screen frame clamps with fine registration adjustment concentrated on side for quick operations. Integrated graphical backlit touch screen panel makes operation much easier and user friendly. High quality optical sensors provided on front and side lays delivers perfect sheet alignment to minimize rejections.





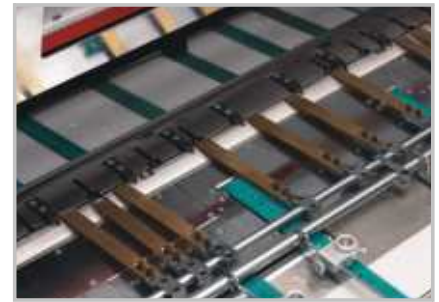
Operating Control Panel:

Easy & user friendly touch screen control panel with speed regulator driven with frequency inverter and a digital indicator helps operator to set the desired speed accurately.



Screen Cleaning:

Screen frame can be easily pulled out and set back to same position after cleaning



Cylinder:

The top of the cylinder is made of high quality stainless steel which increases the life of cylinder and designed using high pressure vacuum system to ensure perfect registration.



Registration System:

The side lay is designed with bearing for smooth movement of paper with adjustable pressure as required according to paper thickness and stiffness. A sensor is also provided to confirm accurate registration of substrates before printing thus reduce wastage.



Screen Frame Movement:

High quality rails from THK, Japan is used for precise vibration free movement of screen frame assembly and delivers stable printing results.



Squeegee & Flood:

The squeegee and the flood operates smoothly. Squeegee pressure is set in two-steps to avoid shock on the screen. A squeegee pressure equalizer ensures perfect balance of pressure all over the screen delivers accurate registration on each prints.



Pneumatic Screen Frame Locking:

A simple push button provided to lock the screen frame and fine thread screws provided for three point movement of screen for perfect registration.



Feeder:

The feeder is designed using varieties of papers and plastics to ensure accurate feeding and to avoid multiple paper lifting. Depending on the substrates the feeder can be set to single sheeter mode of overlapping mode.



Delivery:

The delivery conveyor belt can be lowered down completely to for easy access on both sides thus help to clean the screen from the bottom.

Standard Features:

- User friendly graphical backlit touch screen control panel
- Frequency Inverter for speed control with digital indicator
- Automatic stream feeder
- Rear pick-up feeder
- Suction feed belt
- Continues overlapped sheeting or single sheeter mode
- Double sheet detector
- Delivery conveyor up/down movement for easy access
- Synchronized sheet transfer from delivery to dryer (only on GRAFICA make dryers)
- Pull type side lay with bearing and sensor
- Front lay sensor in cylinder to ensure perfect register
- Adjustable side lay position (both sides)
- Sheet detector sensor
- Vacuum feeder
- Stainless steel cylinder with powerful vacuum and blow back system
- Individual spring loaded gripper on cylinder
- Screen frame pull-out device
- Individual squeegee and flood pressure
- Adjustable squeegee angle
- Squeegee pressure equalizer for even pressure all over
- Motorized squeegee/flood head up/down movement synchronized
- Fine threading screw with three point registration

- Pneumatic screen frame locking
- Pump for centrally lubrication
- Complete microprocessor based (Mitsubishi, Japan)
- Electrical controls from Telemachanique, France
- High quality rails for screen movement of THK, Japan



Cross Over Stand:

Helps to feed printed stock to any type of dryers. To prevent damages of hard and heavy stocks at its lead edge and delivers accurate registration. Useful and easy access on both sides of machines, thus saves operators time.

Optional Features:

- Static electricity reducer (Anti-Static device)
- Sticky roller for clean sheet feeding

Technical Data

Description	Model: GF-2030 STCP	Model: GF-3040 STCP
Print Area - Max	23" x 31" (590 x 800 mm)	28" x 40" (710 x 1020 mm)
Sheet Size - Max	23.5" x 31" (600 x 800 mm)	29" x 40" (740 x 1020 mm)
Sheet Size - Min	11" x 14" (270 x 350 mm)	14" x 22" (350 x 560 mm)
Sheet Thickness - g/m ²	90 ~ 350 (Depends on Flexibility)	90 ~ 350 (Depends on Flexibility)
Frame Size	39" x 43" (1000 x 1100 mm)	45" x 50" (1140 x 1280 mm)
Printing Speed	3000 / Imp / Hr / Max	3000 / Imp / Hr / Max
Total Power	7.8 kW	10.4 kW
Servo Stabilized Power Supply	420 ~ 440 Volts AC / 3 Phase / 50 Hz / 25 Amps	420 ~ 440 Volts AC / 3 Phase / 50 Hz / 32 Amps
Weight - Approx.	3800 Kg	5500 Kg
Dimension (L x W x H) mm	4300 x 2550 x 1600	4800 x 2800 x 1600

Technical data subject to change without notice

* For auto registration substrate should be cut on guillotine machine & perfectly right angle.

Cycle speed per hour (cph) subject to machine speed without feeding

** For plastic material static elimination device is to be provided by customer

UV curing machine and stacker shown on the cover page is not a part of the standard machine

Air Compressor, Servo Stabilizer, Squeegee Rubber, Screen Frame, Inks and other consumable are not supplied with the standard machine

Servo stabilized power supply is essential to protect all electronics & electrical parts



For further details please contact:

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