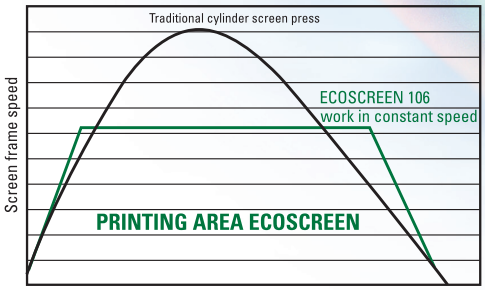
ECOSYSTEM

Your expert in print finishing equipment

Ecoscreen 106

Automatic, High speed, High precision servo driven Stop cylinder screen printing press

ECOSCREEN 106 printing track



Ecoscreen

Ecosystem is one of the most successful suppliers of high productivity Print Finishing equipments. At the request of our customers and after a complete technical and market study we designed and manufactured a productive Stop cylinder screen printing press using state of the art technology such as servo drive motors and latest generation electronics. The result is an innovative, accurate, high productivity, high speed Stop Cylinder press designed for the industrial and commercial screen printing.

• Unique flexibility is achieved with the use of separate servo drive motors for independent movement of the screen frame and cylinder. We can therefore print at constant speeds with a variety of screens (from 880x880mm to 1320x1250mm) and a very interesting minimum format of 350x250mm, while correcting print elongation. Print start position, squeegee speed and pressure can be adjusted easily.

• Perfect accuracy is achieved by using a large Stop Cylinder which makes printing on thick substrates easier. The state of the art Stop cylinder with built in front lay sensors, the left and right side lays with sensors mean a perfect control of print accuracy.

• High Productivity: a high speed feeder head with independent pick up and transport suckers, a straight anti-scratch stainless steel table with powerful vacuum belts means the substrate will be fed perfectly overlapped (stream) or sheet by sheet with minimum static electricity buildup.

• Ease of use is achieved with a 90° swivel down delivery board for easy and quick cleaning, with a quick, simple and perfect access to sheet stream and print cylinder during start up or production in order to adjust feed position of substrates, with a swivel up screen carrier and with a touch screen operating panel at high level.

• Ecosystem also produces a series of dryers: UV and Combined (UV+hot air for solvent inks) dryers with high performances allowing the best use of the Ecoscreen 106.

• This innovative machine is worth a visit, so as to see the enormous progresses and advantages one has with respect to other equipments.

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Ecoscreen 106 features

- Touch screen operating panel at eye level for a quick and easy machine preparation
- Offset type high speed feeder for a smooth and secure feeding of all types of substrates with a simple switch from stream to single feed
- Servo drive for an easy print elongation correction for perfect accuracy on elongated or thick substrates
- Perfect and immediate access to the print cylinder for quick and easy control and adjustment of sheet stream since the screen moves to the stacker side to give operator a perfect access
- 90° delivery board for perfect access for an easy access to the bottom of the screen for cleaning
- User friendly, precise squeegee and flood coater with servo driven motors. Both clamp automatically for reduced make readies and the 2 step, drip free squeegee provides the highest quality of print
- Large diameter STOP cylinder for perfect registration and high quality printing with grippers integrated into cylinder to prevent damage to the screen
- Operator side screen frame pneumatic lock with 3 point screen fine adjustment
- Perfect registration control with front and side lay optical sensors to ensure perfect print registration. Left and right side lays adjustable from operator side.
- Innovative and secure feed board in straight anti-scratch stainless steel to prevent scratching and static electricity, sheet slow down, independent air
- Heavy duty machine structure with solid beams and frame for stable and precise printing at high speeds and servo driven motors meaning less wear on parts and maintenance
- Flexible Screen Carrier to use your existing screens from 880x880 up to 1250x1320mm and the incredible minimum size of 350x250mm
- High Customer Service standards with excellent parts and service technicians availability to ensure your security and your productivity

Technical specification

Size max. sheet	1100x800	mm
Size min. sheet	350x250	mm
Printing frame max. o/d	1060x780	mm
Max ext. frame size	1250x1320	mm
Min ext frame size	880x880	mm
Max Printing speed	3750	sph
Height delivery belt	95	mm
Weight	4500	kg
Dimensions	4350x3390x2050	mm
Air supply compres.	150	l/min*
Electrical connection	3x400V+PE	

Size max. sheet	43.30x31.49	inch
Size min. sheet	13.77x9.84	inch
Printing frame max. o/d	41.73x30.70	inch
Max ext. frame size	49.21x51.96	inch
Min ext frame size	34.64x34.64	inch
Max Printing speed	3750	sph
Height delivery belt	3.74	inch
Weight	9920	lb
Dimensions	171.25x133.46x80.70	inch
Air supply compres.	150	l/min*
Electrical connection	3x400V+PE	

* Consumption with electrical vacuum pump

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