

# FULLY AUTOMATIC EMULSION COATING MACHINE



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GRAFICA introduces for the first time in India a most efficient, easy and maintenance free "Double Sided Emulsion Coating Machine" with online drying system. Sharpness, repetition accuracy in all four color printing & in fine line printing even emulsion thickness and flat surface of emulsion layer from the print side is generally required in making high quality screens. With manual emulsion coating where repetition accuracy and quality is always a guess work & also when coating emulsions on screen size around 40" and over accurate screens is very difficult to achieve or some times even not possible. GF 3040 EC is engineered to make high quality screen with ease, as no skill required operating the machine. With GF 3040 EC you can achieve multi color screens with same kind of repetition accuracy as desired. The unique feature, which allows to program the coating cycle and drying cycle on both sides simultaneously or individually as required by operator. Coating head is mounted on hardened shafts with linear bearings for smooth and vibration free motion. Coating pressure can be adjusted individually on both sides with help of pneumatic cylinder. Dial indication helps to control air pressure via pressure regulator. It has a built in Quartz I.R. Heaters on both sides, which helps to build faster & thicker layer of emulsion.

## STANDARD FEATURES:

- Motorized screen frame holder to suit various screen frame sizes. Control through foot pedal.
- Accurate re productivity of coating results for direct coating process wet on wet .
- Individual controls for coating the mesh from squeegee side, printing side or both sides.
- Contact pressure of coating troughs on mesh can be adjusted separately for both sides.
- Easy screen frame clamping device.
- Optional screen frame clamping device for coating multiple screens at time.
- AC motor with AC variable frequency drive, which offers precise speed control for coating.
- Adjustable coating stroke.
- Man machine interface with two line LCD display with programmable logical controller.
- Number of coats can be easily programmed through man machine interface on both sides separately.
- Programmable flow time of emulsion.
- Intermediate drying of coating layer by Quartz I.R. Heaters from both sides and one side programmable. This helps to build up the layer by alternating between coating, drying and coating process etc. The temperature and drying cycles are programmable.
- 10 memory functions for Coating & Heating after each coat.

## TECHNICAL DATA:

	GF-1824 EC	GF-3040 EC
<b>Screen Frame Size</b>	Min 12" x 12" OD Max 30" x 40" OD	Min 12" x 12" OD Max 46" x 56" OD
<b>Screen Frame Profile</b>	Min 1.0" / Max 2.0" (Width) Min 1.0" / Max 1.5" (Thickness)	Min 1.0" / Max 2.0" (Width) Min 1.0" / Max 1.5" (Thickness)
<b>Compressed Air</b>	4 ~ 6 kg / cm <sup>2</sup> (10 lit/Min)	4 ~ 6 kg / cm <sup>2</sup> (10 lit/Min)
<b>Coating Speed</b>	Min 1 Mt/Min Max 15 Mt/Min	Min 1 Mt/Min Max 15 Mt/Min
<b>Emulsion Flow Time</b>	Min 0 Sec / Max 99 Sec	Min 0 Sec / Max 99 Sec
<b>Power Supply</b>	220 V AC / 32 Amps / 1 PH / 50 Hz	220 V AC / 32 Amps / 1 PH / 50 Hz
<b>Heater Capacity</b>	3.0 kW	3.0 kW
<b>Power Consumption</b>	5.5 HP (4.10 kW)	5.5 HP (4.10 kW)
<b>Overall Dimensions</b>	5.2' (L) x 2.1' (D) x 6.8' (H)	7.6' (L) x 2.1' (D) x 7.2' (H)

Technical Data for GF - 4896 EC / LF available on request.  
 Technical data subject to change without notice  
 We accept any custom sized orders  
 Air Compressor, Servo Stabilizer, Screen Frame and other consumables are not Supplied along with the machine, should be Procure before Installation By the Customer (Cost to Customer Account)

## GRAFICA FLEXTRONICA

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