

TUBOY

1-4 COLOR AUTOMATIC UV TUBE SCREEN PRINTING SYSTEM



4 color model shown
with infeed ramp
and outfeed chute

- ⊕ High precision mechanical rotary indexer (6-18 stations)
- ⊕ Servo driven print heads for precise printing results
- ⊕ Automatic loading and unloading system
- ⊕ Quick and easy set-up and change-overs
- ⊕ Easy to use touch screen operator interface
- ⊕ Stepper motor controlled optical pre-registration device
- ⊕ Mechanical registration accuracy of $\pm 0.1\text{mm}$ (.0039")*



solutions in screen printing™

TUBOY

1-4 COLOR AUTOMATIC UV TUBE SCREEN PRINTING SYSTEM

The TUBOY is a fully automatic tube and cylinder screen printing machine that offers increased productivity and unrivalled value for the money. The TUBOY features automatic handling of rigid or flexible plastic tubes and is available in 1 to 4 color versions. The UV screen printing inks are automatically cured with high powered UV lamps positioned after each printing station. After loading there is a pre-flame treating station and de-ionizing/ cleaning station to ensure quality printing results with fewer defects. Furthermore the TUBOY automatic UV tube screen printing system can be equipped with an optical stepper motor driven re-registration device to allow for re-printing of tubes that have already been printed (typically used to print in register onto offset printed tubes).

2 color TUBOY tube screen printing system shown



Servo driven printing station with pneumatic squeegee



Automatic tube unloading station



SPECS 1 COLOR 2 COLOR 3 COLOR 4 COLOR

No. of Stations (Rotary indexer):	6	8	15	18
Print Area (Tube Diameter):	Ø 25-70mm	Ø 25-60mm	Ø 25-60mm	Ø 25-60mm
Print Area (Tube Length):	80-200mm	80-200mm	80-200mm	80-200mm
Production Speed:	Up to 2,400 pph	Up to 2,400 pph	Up to 2,400 pph	Up to 2,400 pph
Main Drive System:	1.5kw	2.2kw	2.2kw	2.2kw
Squeegee Drive System:	AC Servo Motor (1 x .4kw)	AC Servo Motor (2 x .4kw)	AC Servo Motor (3 x .4kw)	AC Servo Motor (4 x .4kw)
Vacuum System:	Air Vacuum	.75kw	.75kw	5l/Cycle
Air Consumption:	3L/Cycle	4L/Cycle	4L/Cycle	3L/Cycle
Air Pressure:	5kg/cm ²	5kg/cm ²	5kg/cm ²	5kg/cm ²
Electrical:	220V, 3Phase, 60hz, 6kw	380V, 3Phase, 60hz, 12kw	380V, 3Phase, 60hz, 16kw	380V, 3Phase, 60hz, 20kw
Dimensions (LxWxH):	2,000 x 2,000 x 2,033mm (6' 6.7" x 6' 6.7" x 6' 6.8")	2,268 x 2,205 x 2,211mm (7' 5.3" x 7' 2.8" x 7' 3")	3,900 x 4,242 x 1,965mm (12' 9.5" x 13' 11" x 6' 5.4")	4,683 x 4,350 x 1,965mm (15' 4.4" x 14' 3.3" x 6' 5.4")
Origin:	South Korea	South Korea	South Korea	South Korea

*Specifications are subject to change without prior notification

*Color to color registration is typically found to be ±0.25mm (.0098") due to tolerances in tube diameters (I.D.)

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