

# SCREEN PRINTING MACHINES



# FULLY AUTOMATIC SCREEN PRINTING MACHINE

APL FAS series is fully auto screen printing press. It is available in swing cylinder and stop cylinder variants, it is kind of auto flat screen press with high speed & precision, skillfully manufactured reasonably structure & equipped with speed print & paper feeding.

It is suitable for printing on 120-400gsm substrate. The frequency control of motor speed is monitored & controlled, automatically with easy operation & high sensitivity. Only one person is needed to operate the press.



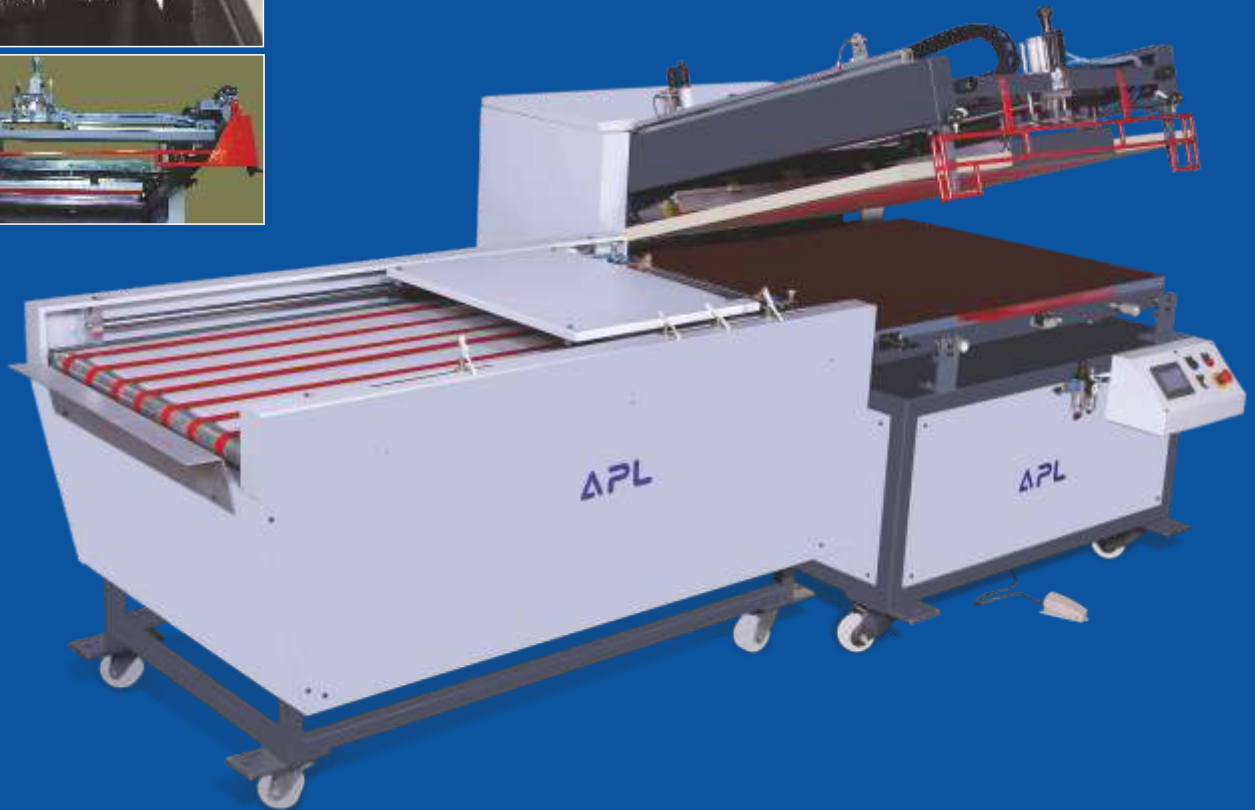
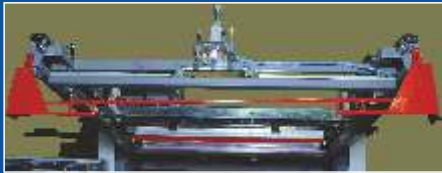
## TECHNICAL SPECIFICATION

Model	FAS-2030	FAS-3040
MAX PRINT SIZE	760 X 520 MM	1000X 680 MM
MIN PAPER SIZE	350 X 270 MM	480 X 270 MM
MAX PAPER SIZE	780 X 540 MM	1020X 700 MM
BORDER	< 15MM	< 15MM
PAPER THICKNESS	100-350 GSM	100-350 GSM
MAX PRINT AREA	1000-3600 S/H	1000-3600 S/H
WEIGHT (APPX.)	3500 KG	4100 KG
VOLTAGE	8 KW	9 KW
DIMENSION(APPROX)	3050 X 1470 X 1280 MM	3150 X 1680 X 1300 MM

# SEMI AUTOMATIC SCREEN PRINTING MACHINE

## CSF 3040 FLAT SCREEN PRINTING MACHINE

APL MACHINERY takes pride in introducing the finest, most flexible range of trouble free flatbed screen printing machine. "CSF 3040" is easy to set up, easy to control, heavy duty and durable construction gives maximum stability at full production speed with high quality prints.



### TECHNICAL SPECIFICATION

MAX. PRINT AREA	30 X 40
VACCUM BED MOVEMENT	± 10 mm
SCREEN FRAME SIZE (MAX)	51" x 46"
SCREEN FRAME SIZE (MIN)	34" x 30"
SQUEEZE SIZE(MAX)	41.5"
SQUEEZE SIZE(MIN)	21.5"
FLOOD COATER(MAX)	41.5"
FLOOD COATER(MIN)	21.5"
SPEED	800 IPH
POWER CONSUMPTION	3.5 KW
PRINTABLE OBJECT THICKNESS	0-20 MM
DIMENSION (L X W X H)	1825 x 1930 x 1250
WEIGHT	450 KG

### STANDARD FEATURES

- Fully adjustable squeeze and flood have synchronized vertical movement.
- Honey comb vacuum bed heavy duty with stainless steel top, perfectly flat and rigid vacuum base.
- Safety bar
- Micro registration for printing table, micrometer screws assure accuracy with 3 point control to easily and quickly adjust to copy registration.
- Heavy duty extruded squeegee holder gives equal pressure ensures even ink thickness all over the printing area.
- Two print cycles i.e. print and flood or flood and print.
- Heavy duty and durable construction ensures vibration free operation and accurate printing at full production speed.
- Adjustable peel off system.
- Castor wheel for easy mobility.
- HMI Control System

### OPTIONAL FEATURES:

- Auto take off system

Technical data subject to change without notice.

Air compressor, Squeegee rubber, Screen Frame, and other consumables are not supplied along with the machine.

# ATOM 20 X 30 GEN -5

ATOM GEN - 5 screen printing machine is revolution in screen printing industry. This machine is of its own kind with different in of operating system. This machine is available in smaller size and its good for registration jobs.

## TECHNICAL SPECIFICATION

MODEL	ATOM 2030
MAX PRINT AREA	20X30
VACCUM BED SIZE	20X 30
SCREEN FRAME SIZE (MAX)	30X44
SCREEN FRAME SIZE (MIN)	24X15
SQUEEZE SIZE(MAX)	21.5
SQUEEZE SIZE(MIN)	12.5
FLOOD COATER(MAX)	21.5
FLOOD COATER(MIN)	12.5
SPEED	1000 IPH
POWER CONSUMPTION	2HP
	Single/three Phase
DIMENSION(LXWXH)	1370 X 762 X 1700
WEIGHT	450 KG APPROX



**PATENT  
PENDING**



HMI Control

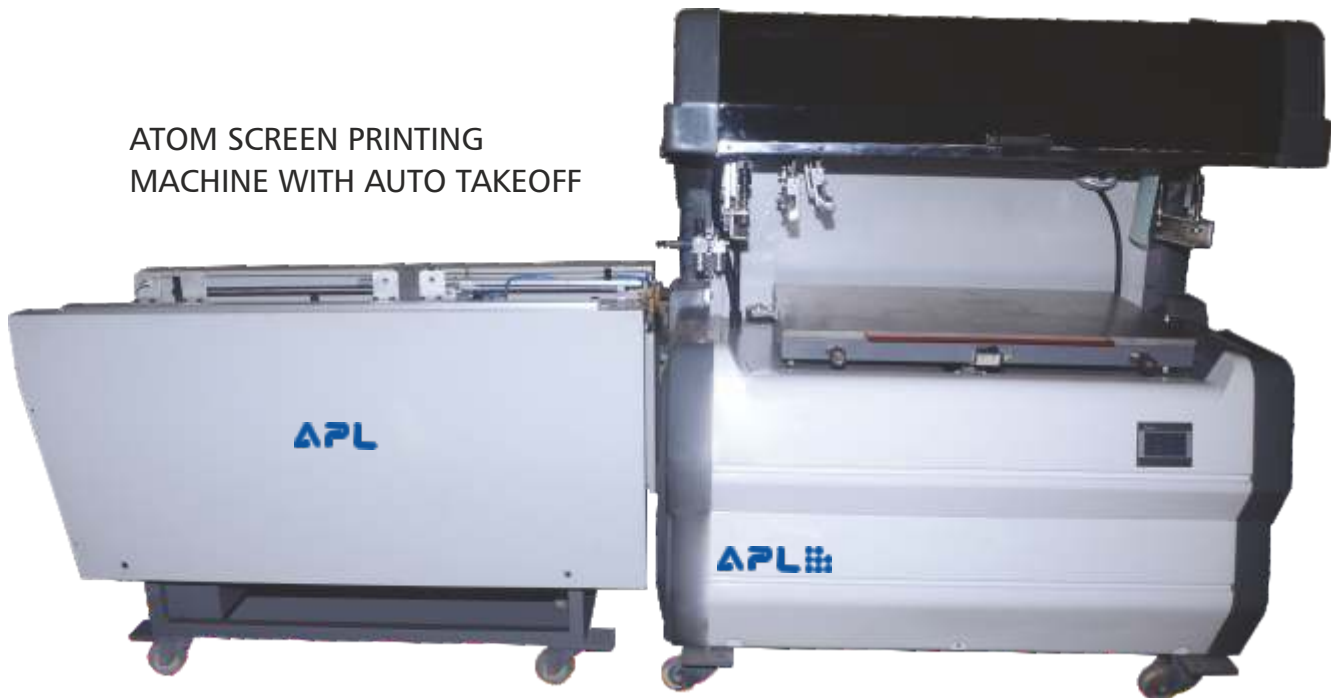


Squeegee and Flood Bar



Micro Registration Knob

ATOM SCREEN PRINTING  
MACHINE WITH AUTO TAKEOFF



# SAF 20 X 30 FLAT SCREEN PRINTING MACHINE

SAF screen printing machine is high speed and easy registration machine. The job change over time is quick and fast in registration.



## TECHNICAL SPECIFICATION

MODEL	SAF 2030
MAXIMUM PRINT AREA	20X30"
VACUUM BED SIZE	42"X28"
MAXIMUM SCREEN FRAME SIZE	44"X30"
MINIMUM SCREEN FRAME SIZE	24X24"
MAXIMUM SQUEEZE SIZE	21.5"
MINIMUM SQUEEZE SIZE	12.5"
MAXIMUM FLOOD COATER	21.5"
MINIMUM FLOOD COATER	12.5"
DIMENSIONS (L X W X H)	1600 X 1060 X 1600
WEIGHT (APPROX. )	450 KG



# High Speed UV Curing Machine

UV Curing is a polymerization (cross linking reaction) when UV varnish or ink is applied to a substrate and when it passes through UV light it gets cured instantly. It is basically. UV Curing System is available in different sizes and for different applications like Sheet Fed, Web Offset Printing, Screen Printing, Letter Press, Flex, Gravure, Varnishing or Roller Coating.

We have various kinds of UV Curing systems for different kinds of application. They are available in all sizes from 4" to 72" and different intensities of 200 to 400 watts/inch with option of 1, 2, 3 lamps in one machine. APL UV Curing systems can be customized to meet all your needs. This system can be configured with HOT AIR & IR modules also.



## FEATURES

- UV intensity management (25%, 50%, 75%, 100%)/ Hibernation mode.
- Optically simulated to focus maximum energy of the substrate passing below the lamp.
- High speed UV curing process..
- Hot Air and IR Module.
- Teflon conveyor belt.
- Machine can be configured with printing or coating machines to make all your processes an online.
- Vacuum bedded to hold the paper on to the conveyor.
- Auto Lamp on lifting of Hood
- Suction blower for efficient thermal control system
- AC drive for variable speed of conveyor.
- Panel constructed within the panel
- Automatic stacking system.
- Conveyors with hydraulic system to adjust the height of the conveyor system
- Auto Power Hood (The hood gets lifted pneumatically when there is a power cut or paper gets jammed.
- Lamp hours display.
- Emergency switch

# SCREEN EXPOSURE 5-IN-1

APL introduces first time in the world, most compact, space saving and a revolutionary product 5-in-1™. The innovative idea of producing 5-in-1 system not only saves space but also saves transport and packing cost. This compact system is mounted on a smooth castor wheel for easy mobility within department. Exposure screen upto 100dpi effectively. This screen exposure available in two sizes:

- 20"x30"
- 30"x40"



- Screen exposure
- Screen dryer
- Screen inspector
- Emulsion coating stand with trough
- Mechanical fabric stretcher

## TECHNICAL SPECIFICATION

MIN - MAX FRAME SIZE	34"x44" max and 9"x11" min
MAX EXPOSING AREA	20" x30"
POWER SUPPLY	3 kw
TOTAL POWER CONSUMPTION	4 kw
OVER ALL DIMENSION	55" x 45" x 85"
MECHANICAL STREACHER/TENSION METER	
MAX TENSION PERMITTED	16 to 20 newtons
EMULSION COATING STAND & TROUGH	
COATING TROUGH LENGTH WITH 2 END COVER	27"
SCREEN DRYER	
MAX HEATING CAPACITY	50 degree
POWER CONSUMPTION	2.6 kw
SCREEN INSPECTOR	
POWER CONSUMPTION	Metal helide400 watts
SCREEN EXPOSER	
EXPOSING LAMP	0.80 kw
POWER CONSUMPTION	1 kw



## Installations all over the World

### Contact Us

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