



# **SERVOPAK**

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MACHINES

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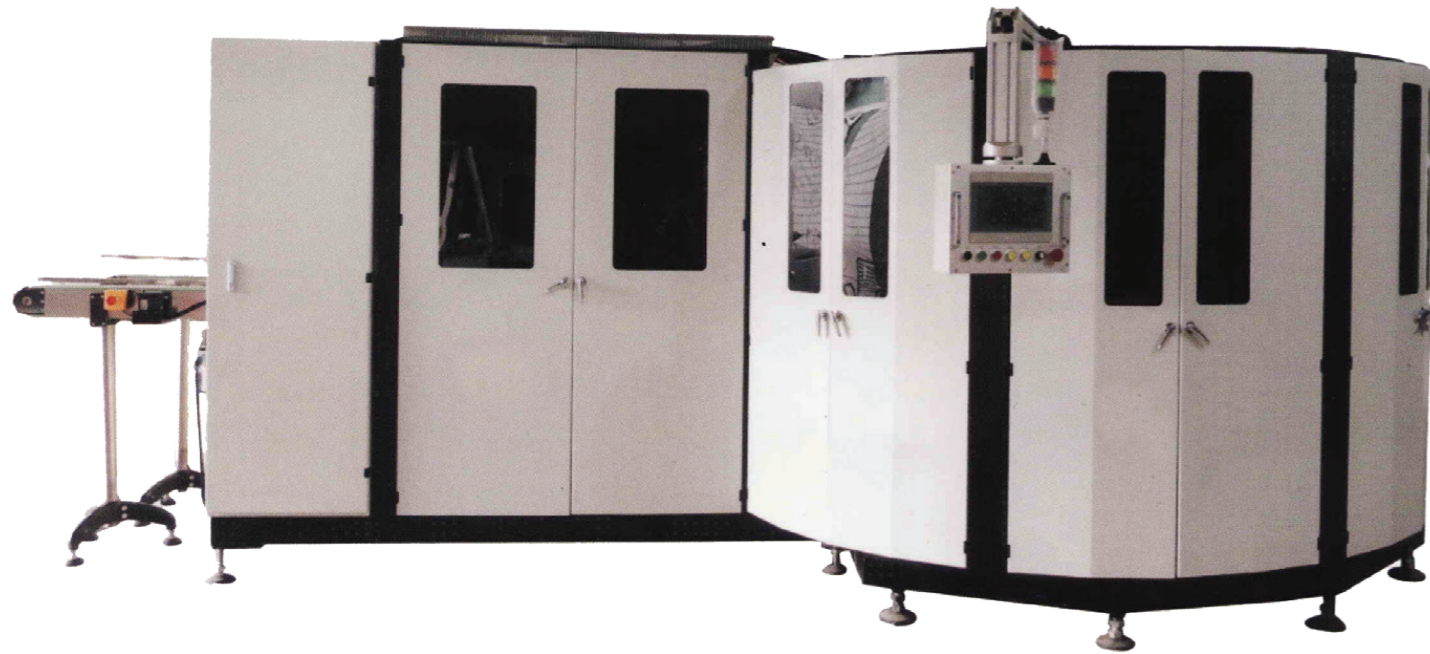
Designed and assembled in the United States along with years of decorating experience,

**ServoPak Machines** is one of the leading manufacturer of glass / plastic decorating machines.

Offering precision decorating with the speed of UV Curing Technology,

**ServoPak is the solution to any of your printing needs.**

## SP3,4,5: 3,4,6 Color Screen Printer



### ■ Application:

Adaptable to various glass containers, cups, and mugs while maintaining high productions speeds.  
Commonly used for wine bottle applications. All printing can be done around the container within a single pass.



### ■ Description:

1. Silane or Pyrosil pre-treatment system.
2. Automatic printing system with all servo driven: printing head, mesh frame, rotation, printing station up/down all driven by servo motors.
3. All jigs with individual servo motor driven for rotation.
4. Auto UV curing after each printing. LED or Microwave UV system from USA, Electrode UV system from Europe.
5. Quick and easy change over from one product to another. All parameters setting simply in touch screen.
6. PLC control & touch screen operation system, touch screen with Wifi for internet connection, easy for future maintenance and program upgrading.
7. Safety operation with CE.

### ■ Options:

1. Second color can be replaced with hot stamping head if the first color is UV print
2. Simplified model: SP3,4,6R for cylindrical bottles only.

### ■ Tech-data:

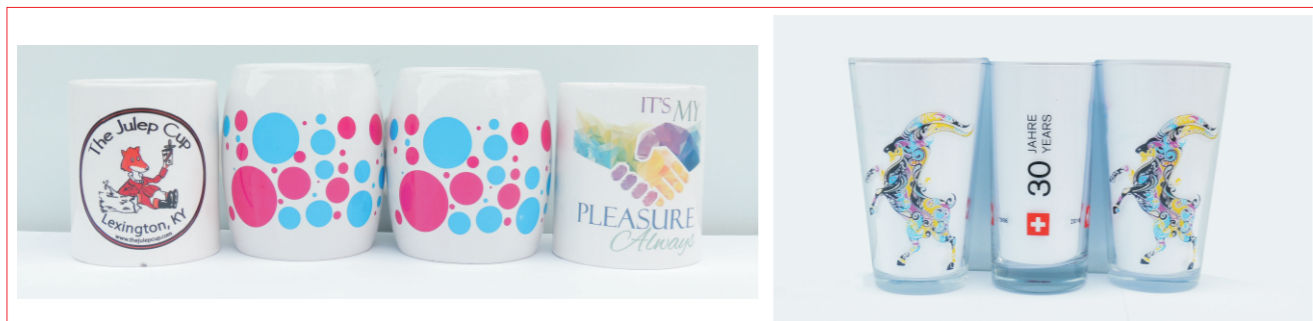
Parameter \Item	SP3,SP4,SP6
Power	480VAC 3Phases 50/60Hz
Air consumption	5-7 bars
Max printing speed	40-50pcs/min
Printing Diameter	25-90mm
Printing height	50-350mm
Printing stroke left/right	1kw LED, 16w/cm <sup>2</sup> ; 6kw microwave, 240w/cm; 5-7.5kw electrode, 200-240w/cm

## SPS2/4: 2/4 Color Auto-Screen Printer



### Application:

Square/oval/cylindrical products, with or without registration point.



### Description:

1. Auto Silane or Pyrosil treatment system.
2. Servo motor driven XY shuttle, products stop at any position.
3. Servo driven printing heads, servo driven rotation.
4. Quick and easy change over from one product to another: 1 jigs only, all parameters easily set in touch screen. Mandrels with vacuum.
5. Auto high efficiency UV curing system : LED or Microwave UV system from USA; electrode from Europe.
6. Mitsubishi PLC control & touch screen operation system. Mitsubishi servo motors.
7. Safety operation with CE.

### Tech-data:

Parameter \Item	SPS4	SPS2
Power	480VAC 3Phases 50/60Hz	
Air consumption	5-7 bars	
Max printing speed	5-8pcs/min	10-12pcs/min
Printing Diameter	25-80mm	25-100mm
Printing height	150mm	
Printing stroke left/right	200mm	300mm



# SPL1 1 Color screen printer



### APPLICATION:

The SPL1 is designed for multi colors decoration of all shapes or glass bottles, cups, mugs at high production speeds.

It can print any shape of containers all around in 1 print.

It is suitable for glass containers printing with UV ink or thermoplastic ink.

All servo driven and fast speed make the SPL1 ideal for o-line or in-line 24/7 production.

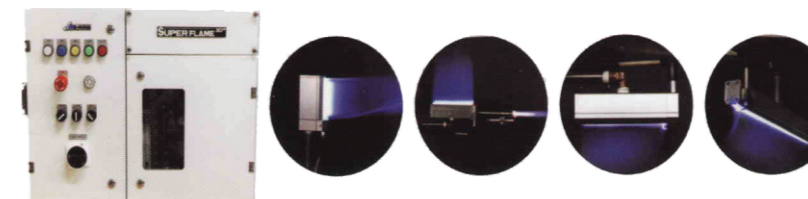
### DESCRIPTION:

1. Automatic loading system with multi axis servo robot.



2. Servo driven transfer system.

3. Automatic printing system with all servo driven: printing head, mesh frame, rotation, container up/down all driven by servo motors.



4. Automatic UV curing with high efficiency electrode UV system from Europe.

5. Super quick and easy change over from one product to another. All parameters automatic setting simply in touch screen. Product change is 15 minute only per color.

6. All Ethercat servo motors with industrial PLC control & touch screen operation system, internet cable connection available, easy for future maintenance and upgrading.

7. Automatic unloading with servo robot.

8. Safety operation with CE.

9. Repeat print to be multi colors.

### OPTIONS:

1. Additional module up to 10 units, to be multi colors production line.

2. New shape program upgrading through internet.

3. Flame plasma pre-treatment system for best adhesion on glass.

### TECH-DATA:

Parameter \ Item		SPL1, SPL1C, SPL2	SPL2TP, SPL2L	SPL4TP, SPL4L
Max. Speed (360° print) (pcs/min)	Round	40	30	20
	Oval	35	25	15
	Square	20	15	10
Power		480VAC 3Phases 50/60Hz		
Air consumption		5-7 bars		
Printing Diameter		25-60mm		
Printing Length		50-150mm		
Printing stroke left/right		300mm		

