

Fully automatic screen printing machine (1-12 colors) for containers: SL1788-1C (12C)

1. Machine features: a great achievement of nearly 30 years of machine design experience. It integrates multiple functions such as incoming and outgoing materials, surface treatment, screen printing and UV curing. The linear combined module structure can realize an integrated production line of up to 12 colors. Precision design and manufacturing can realize electromechanical synchronization, perfect automation, simple and convenient man-machine dialogue operation, and a new appearance of incoming and outgoing materials and host safety protection, the new transmission design makes the machine run stably and quickly, easy to transfer within different shape of containers, easy to operate and save manpower. The technology is in the leading position in China.

2. Applicable industries: cosmetic, daily chemical, food, pharmaceutical, health products, baby products, automotive supplies, cleaning supplies , alcohol, glass glue, toy, sporting goods and so on.

3. Scope of application: This machine is suitable for single color or multi-color screen printing on the surface of containers with various shapes such as round, oval, square, complex shapes etc. Container materials include plastic, glass and metal, etc. Containers include cans, bottles, cups, caps and hard tubes, etc.

4, Main functions: Speed transmission feeding function; Vacuum directional feeding function of manipulator; Speed control stepper motor drive bottle surface treatment function; Flame surface treatment function; Prepositioning function; Adjustable pressure inflatable printing function in the container; Automatic screen printing function; Electric printing head lifting function is convenient for screen loading and unloading; High strength American UV lamp curing function(LED-UV curing fuction can be optional); Speed regulating motor rotation function when cylindrical containers passing through the UV; Manipulator vacuum discharging function; Discharging speed control conveying function.

5. Main Components:

Main reducer: Taiwan Chengtai	Joint bearings: Japan THK
Linear bearings: South Korea SAMIC	Frequency converter /PLC/touch screen/photoelectric switch: Japan Omron
UV Lamp: American JE	Press switch: Japan IDEC
Cylinder: Japan SMC or Taiwan AIRTIC	Solenoid valve: Japan SMC

6. Technical Specifications:

Machine running speed	Up to 85pcs/min (printing speed varies from bottles to bottles)
Product height	20-300mm
Round bottle diameter	20-120mm
Flat bottle radius	50-250mm
Flat bottle width	20-160mm
Maximum printing area	length 300* height 200mm
Gas supply	0.15mpa
Air pressure requires	6-7 BAR
Voltage requirement	3-phase 5-wire 380V 50/60Hz
Rated power	7KW(1 color) * N colors
Machine weight	Main machine-1200kgs; Auxiliary machine-1000kgs
Machine size	Main machine-L 2900mm * W 1200mm * H 2000mm(excluding feeding and uploading convey belt) Auxiliary machine-L 1190mm * W 1200mm * H 2000mm