

SMV-3



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AUTOMATIC SILK-SCREEN MACHINE
MÁQUINA SERIGRAFIA AUTOMÁTICA



SMV-3

Automatic high-speed silk-screen printing machine complete with 12-station indexing turret available in different versions. Printing up to 3 colours, or two colours plus lacquering, suitable for decoration of small cylindrical containers like plastic closures. Each module is driven by a "servo motor" which works synchronized with the mechanical rotation of containers. Control of all machine functions and accessories installed, by a PLC with digital Bus Field system. UV curing through special "sealed" lamps for reducing the emission of heat, with electronic control through the PLC of the machine. Maximum mechanical speed 160 ppm.



Technical standard characteristics

- 12-station rotating turret with indexing movement;
- up to 3 printing modules each driven by a 'linear motor' which works synchronized with the mechanical rotation of containers; when the diameter of the articles to be printed changes it is no longer necessary to change the gears which allow their rotation during printing;
- system for vacuum through the mandrels;
- printing squeegee with electronic control of lifting at the end of print in order to obtain wrap-around decorations with perfect overlapping;
- control of all machine and accessory functions by a PLC with digital Bus Field system;
- "no container, no printing" device;
- speed variator with 3-phase motor and electronic control of number of revolutions by means of an inverter;
- automating loading and unloading devices;
- flame pre-treatment with electronic flame detection;
- UV sealed lamps for reducing the emission of heat, with electronic control through the PLC of the machine. 'Water cooled' lamps are also available.

Optional Devices

- automatic feeding devices;
- electronic pre-treatment;
- dust cleaner and static electricity remover;
- automatic register device;
- remote technical assistance;

quality control system;
lacquering unit;
fine rear/front adjustment of printing squeegee pressure with
remote control;

Technical data

maximum mechanical speed: 160 pieces/minute;
maximum printing area: 126×150 mm;
minimum and maximum diameter of containers: 5 – 40 mm;
minimum and maximum length of containers: 30 – 120 mm;

Please contact MOSS in case of containers which sizes go beyond by defect or by excess, the above mentioned dimensions.