

## Cylindrical screen printing machine CPR-5

For the the printing of drink cans, glass bottles, cosmetic cups, pet-bottles, baby drinking bottles etc.



With the production of the 5 color cylindrical screenprinting machine CPR-5 the company ST Decorating Systems has completed their delivery program. The ST screen printing machines of the range CPR are automatic printing systems for multi color printing with a high color registration of cylindrical objects.

The use of servo motors for the drive of the print units are a guaranty of a high degree of accuracy for the operators, plus ease of conversion for other jobs. Programs for the various print parameters are stored on the machine memory and can be called up immediately as required, that means the conversion will happen automatically.

The feeding system is done by an electro mechanical rotary indexing table. All work stations, such as print units, feed and offload robots and curing stations are grouped around the indexing table.

By the use of a rotary table against other feeding systems, less jigs are needed. The printing objects are loaded into the jigs in the loading station, registered and are held until the offloading station. By the use of this system a high print registration is guaranteed.



The whole machine control happens by a free programmable PLC with integrated error diagnostic and will be operated by touch screen panels. The touch screen panel includes all machine functions, error diagnostics and the machine manual.



#### Printing station

Print head with servo motor driven print head, mechanical indexing station and UV – curing.

#### Main control panel

Main control panel for the adjust of the parameters and functions. and and storage of them. Each print head is equipped with his own panel which is linked to the main control panel.



#### Loading station

The printing object will be loaded into the jigs.

#### Off loading stationEntladestation

The printig object will be offloaded from the jigs.

#### Technical Data

<b>Cycle:</b>	approx. 2000parts / hour
<b>Colors:</b>	5 colors
<b>Printing length:</b>	200 mm
<b>Frame size:</b>	300 x 400 mm
<b>Voltage connection:</b>	3 x 400 V, 50/60 Hz
<b>Power:</b>	20 KW
<b>Air pressure:</b>	5 – 6 bar
<b>Air consumption:</b>	app. 150 NL / min
<b>Printing machines:</b>	ST round printing machines Servo drive Printing length programmable
<b>Feeding:</b>	Electro mechaical rotary table
<b>Jigs:</b>	12 pcs turnable
<b>Drying:</b>	UV - curing
<b>Loading:</b>	Automatically
<b>Offloading:</b>	Automatically

Technical changes without notice