

# KA1

Fully Automatic Round Printing Machine  
for Cylindrical Parts



## Characteristics

- All movements are controlled electronically
- Very high repeatability
- Electronic screen adjustment
- Electronic height adjustment
- Electronic screen offset
- Use of squeegee and flood coater possible
- Electronic collection of parts' dimensions
- Easy and quick set-up and change-over
- Simple operation
- Ideal for printing of cylindrical parts like ball pens, bottles and cosmetic pencils

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*Precision  
Innovation  
Efficiency*

# KA1

## Fully Automatic Round Printing Machine for Cylindrical Parts



### Application

Especially appropriate to print ball pens with or without clip as well as other cylindrical parts up to 20 mm diameter.

### Description

The heart of this equipment is a completely new developed computer control which avoids the inconvenient and time-consuming set-up and change-over work. The change-over to a new ball pen is done by entering parameter into the operating panel repeatable at any time. Based on the values for ball pen diameters, clip height and width the machine is automatically set-up to the new ball pens. When printing onto the ball pens between the clip, the machine calculates the maximum printing distance and the squeegee is exactly positioned at the correct place. The various clip adapters are indexed and can be changed simply without any set-up work. The use of pressure and flood squeegee is unique. This allows the economic use of color and a simple screen cleaning.

### Use and Options

The fully automatic screen printing machine KA1 can be used as single-colour machine or as multi-colour line. Various drying systems are available using warm air or UV. Feeding is done by a sawtooth unit. Turning features with CCD-sensors allow the position control and orientation of parts hard to differ. For problematic plastics a flame impingement pre-treatment is available.

- ▶ Latest processor technology and power electronics
- ▶ Electronically controlled precision gear
- ▶ Innovative computer control
- ▶ Comfortable screen cleaning
- ▶ Single-colour machine or multi-colour line
- ▶ Warm air / UV drying
- ▶ Feeding by sawtooth unit
- ▶ CCD-controlled sensors
- ▶ Usable for cylindrical parts up to Ø max. 20 mm

## Technical Data

<b>Performance</b>	up to 2500 parts / hour
<b>Voltage</b>	3 x 400 Volt AC 50/60 Hz
<b>Power</b>	depending on dryer 2000-4000 Watt
<b>Pressure</b>	min. 6 Bar
<b>Controls</b>	Microprocessor
<b>Print layouts</b>	max. 75 mm x 150 mm
<b>Screen size</b>	max. 150 mm x 170 mm
<b>Weight</b>	ca. 300 kg
<b>Dimensions</b>	W=600 mm x L=3200 mm H=1300 mm

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