



ORION

flexibility for multiple processes

The Orion is a fully customizable pad printing machine suitable for every industry. Because more positions (4-16) are available, more manufacturing processes can be incorporated in the machine. As such it cannot be seen as merely a pad printing machine. From assembly to packaging, everything is possible.

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POSSIBLE PROCESS FEATURES



HMI remote position



Automatic feeding: hopper, vibrating bowl, linear vibration, rotary table.



Product handling: jig, vacuum, ...



Assembly



Pre-treatment: hot/cold air, plasma, flame, corona, UV, ionisation.



Pad printing & cleaning



Post-treatment: IR, NIR, hot air



Rejection: individual, batch, product samples



Quality control: print, assembly, orientation, tray full/empty.



Reporting: machine KPI, batch sampling.



Product transport: rotary table, LTS shuttle, linear shuttle, belt driven indexer

PRODUCTION SPECIFICATIONS

Drive:	Pneumatic or servo
Min. - max. print speed:	up to 1800 cycli/h & 12 000 pcs/h
Print accuracy up to:	± 0,15mm
Min. - max. number of ink cups (colors):	1 - 6 ink cups/colors
Diameter ink cups:	Ø 90 - Ø 130 - Ø 160
Min. - max. dimensions print:	85mm - 125mm - 155mm
Manual or automatic production:	Manual or automatic

DIMENSIONS

(Different for every model.)

Average size:

Ring = Ø 2600mm x ±1900 mm

Rota = Ø 5000mm x ±1900 mm

Lino = ±2950 mm x ±1200 mm x ±1900 mm

TECHNICAL SPECIFICATIONS

Main voltage:	3 x 400 VAC + N + PE
Power:	± 30 kW
Main frequency:	50/60 Hz
Compressed air:	Conditioned air 6 bar or more
Printing temperature limits:	10° - 30° Celsius
Ideal printing temperature:	20° Celsius
Ideal humidity:	40 - 60%

* Machine dimensions and production capacity depend on the size of the printed product.