Performance Piezo Industrial Inkjet Coder

INTEGRA PP108

Features:

The INTEGRA PP108 is a revolutionary, standalone print system intended for large print areas on corrugate and other porous substrates. It leverages the SEIKO print head and a circulating print system. This principle prevents the accumulation of air in the nozzles and ensures a permanent, clean print image without line-outs due to dropping nozzles. Pump control and automatic adjustment of internal circulation pressure allows installation of the ink tank above, below or same level as the print head. The air in the ink supply and print head is automatically removed from the print system.

- Print height 4.25-inches without stitching
- High resolution up to 360 dpi vertical
- Speeds up to 984 feet per min at 180 dpi
- Small fonts from 1mm and larger
- Grayscale printing enabled
- Ink level sensing for proactive swapping

Benefits:

Relative to other piezo printers, INTEGRA PP108 offers a number of benefits that set it apart from the competition.

- Ease of start-up & venting of ink system
- Pigmented MOF (Mineral Oil Free) Ink
- Shock and deprime resistant
- Greater flexibility to install ink supply
- High resolution linear & 2D barcodes
- No leaking or external ink bottles during operation
- Meets the demand for high running speeds
- Competitive Total Cost of Ownership (TCO)

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	Integra PP108 Monocolor	Integra PP108 Bicolor
Maxprint speed at 360dpi	492 f/min	492 f/min
Number of nozzles	1536	1536
Drop size	40pl	40pl
Resolution vertical	up to 360 dpi	up to 180 dpi per color
Resolution horizontal	360 changeable 50 -900dpi	360 changeable 50 -900dpi
Max. print height	108mm (4.25")	108mm (4.25")
Max. number of print heads	1	1
Max. number of production lines	1	1
Text field	Yes	Yes
Counter	Yes	Yes
Time	Yes	Yes
Date field / -Offset	Yes	Yes
Logo	Yes	Yes
Variables	Yes	Yes
Action fields	Yes	Yes
1D-/2D-Code	Yes	Yes
Data transfer by USB-Stick	Yes	Yes
Ethernet	Yes	Yes
EIA232	Yes	Yes
Password protection	Yes	Yes
Configurable in- or outputs	Yes	Yes
Technical data		
Voltage connection	90 to 240 V AC	90 to 240 V AC
Power input	150 W	150 W
Dimension printhead	240 x 195 x 110mm	240 x 195 x 110mm
Dimension ink system	142 x 95 x 185mm	142 x 95 x 185mm
Tube length	1,2m other lengths on request	1,2m other lengths on request
Protection class	IP 40	IP 40
Ambient temperature for oil ink	15 to 35°C	15 to 35°C
Relative humidity (non-condensing)	20 to 85 %	20 to 85 %

INTEGRA PP108 BICOLOR

The Markoprint Integra PP108 is now available in a bicolor version. It is the first high-resolution, two-color inkjet coder in the market for porous surfaces including corrugate shipping cases, lumber, and paper bags.

The system uses the same 4.25-inch printhead as the original Integra PP108 monocolor. On the bicolor unit, each of the two nozzle rows print a different color - black and red - with additional colors coming in the future.

Integra PP108 Bicolor has two 700ml ink tanks where the mineral oil free inks are filled in order to feed the printhead. Inks are kept under pressure to prevent ink spills and to enhance useability.