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# 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 Performance Piezo Industrial Inkjet Coder

| | 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.

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