

**Markoprint**

HIGH QUALITY MADE IN GERMANY

## integra PP 108



Integra PP 108

### Compact and robust printing system with SEIKO Piezo printhead

The Integra PP108 is a self-contained printing system built around a Seiko piezo printhead that has been specifically developed for recirculating ink systems. This principle prevents air from accumulating in the nozzles, so preventing pixel drop-out and guaranteeing a consistently high quality print. A further advantage is that the ink reservoir can be positioned at any convenient height relative to the printhead.

Refilling can be accomplished without the need to stop the printer, with any air being automatically removed from the ink supply.

#### Advantages

- Printing heights up to 108 mm with no offset
- High-resolution print up to 360 dpi vertically
- Speed up to 150 m/min. at 360 dpi
- Printing of high-resolution graphics and logos, also small fonts from 1mm high.
- Excellent barcode and greyscale capability
- Easy commissioning of the ink system
- Large volume internal ink reservoir
- Pigmented MOF (mineral oil-free) ink, optimised for printing onto absorbent surfaces as required by the food industry, for instance.

Performance data	Integra PP 108
Maximum print speed at 360 dpi	150 m/min
Number of nozzles	1536
Droplet size	40 pl
Resolution, vertical	360 / 180 / 90 dpi
Resolution, horizontal	adjustable from 50 to 900 dpi
Max. printing height	108 mm
Number of print heads	1
Number of production lines	1
Text field	yes
Counter	yes
Time	yes
Date field / date offset	yes
Logo	yes
Variables	yes
Active fields	yes
1D/2D code	yes
Data transfer by USB stick	yes
Ethernet	yes
EIA232	yes
Password levels	yes
Configurable inputs and outputs	yes

## Inkjet printer Integra PP 108

This new model is the first Markoprint Inkjet Printer the employs Seiko printhead technology that prints up to 108 mm high at speeds of up to 150 m/min and with a resolution of up to 360 dpi. The Integra PP 108's recirculating ink system prevents air pockets and so guarantees a perfect print every time. Pressure control maintains print quality regardless of the height of the ink reservoir relative to the printhead.



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The 500 ml ink reservoir is filled directly from the replenishing bottle which is removed when empty. The nozzle plate comprises of 4 rows of 384 nozzles to give a total nozzle count of 1536 and so a print resolution of up to 360 dpi.

The Integra PP 108 is ideally suited for all sizes of fonts from 1mm upwards and also produces high resolution graphics and barcodes. The pigmented ink enables top and side printing on products with absorbent surfaces.

Technical data	Integra PP 108
Power supply	90 to 240 V AC
Power consumption	150 W
Printhead dimensions	240 x 195 x 110 mm
Ink system dimensions	142 x 95 x 185 mm
Hose length	1.5 m (other lengths on request)
Protection class	IP 40
Ambient temperature for oil ink	15 to 35 °C
Relative humidity	20 bis 85 %, non-condensing
Certification	CE

Technical changes reserved