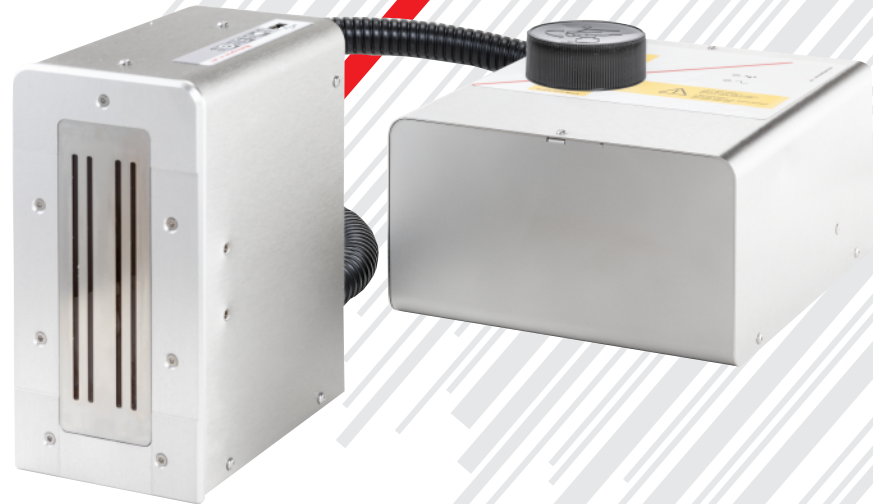


# integra PP 108



## Revolutionary 108 mm printing system for large markings

- No air pockets in the nozzles thanks to recirculating ink system for cleaner print images
- Small fonts from 1 mm and high-resolution graphics
- Insensitive to vibrations and harsh production environments
- Black and colored inks for printing on absorbent surfaces
- UV ink suitable for non-absorbent surfaces



More info under:  
[www.markoprint.com/ipp](http://www.markoprint.com/ipp)



## Flexibility in the most compact form

This model is the first Markoprint inkjet printer with PP Class printing technology. The Markoprint integra PP 108 features a recirculating ink system. This automatically removes air from the nozzle rows and ensures a permanently clean print image. It impresses with its robustness and low maintenance requirements.

The entire system is height-independent. This means that a difference in height between the print head and ink tank is not a problem. The ink tank can be installed above, below or at the same height as the print head. In addition, the new PP Class printhead has a print height of 108 mm and achieves a remarkable speed of up to 150 meters per minute (at a high resolution of 360 dpi).

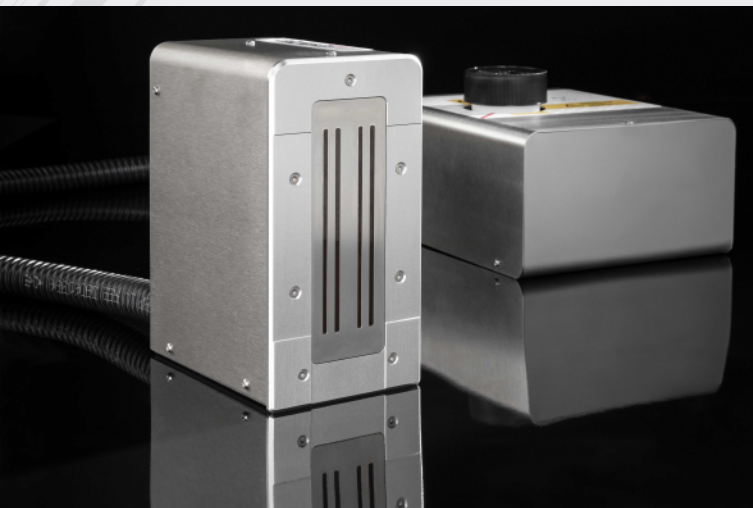
Non-absorbent surfaces can be reliably printed with UV ink. It cures within milliseconds under UV light and thus delivers an abrasion-resistant print result - for example on coated surfaces.

The certified, mineral oil-free ink meets the high requirements of the food industry. Therefore, the integra PP 108 can be used without hesitation for marking products and packaging in the food sector.

Performance data	* depending on config.
Max. print speed (at 360 dpi)	up to 150 m/min*
Print resolution horizontal	50 to 900 dpi adjustable
Print resolution vertical	180/360
Max. print height	108 mm
Technology	PP
Text field	yes
Counter	yes*
Time	yes*
Date field/ Date Offset	yes*
Logo	yes
Variable input	with HMI*
Action field	yes*
1D-Code / 2D-Code	yes*
Data transfer per USB-Stick	yes
Ethernet	yes*
EIA232	yes
Password protection	yes*
Configurable in- and outputs	yes*

Software versions	Print	Basic	Advanced	Pro	Ultimate
Max. print speed	30	30	60	90	150
Max. print resolution vertical	180/360 dpi	180/360 dpi	180/360 dpi	180/360 dpi	180/360 dpi
Max. print resolution horizontal	360 (50-900)	360 (50-900)	360 (50-900)	360 (50-900)	360 (50-900)
Max. text length	0,97 meter	0,97 meter	0,97 meter	0,97 meter	0,97 meter
Text field	+	+	+	+	+
Counter	-	-	+	+	+
Time	-	+	+	+	+
Date field	-	+	+	+	+
Date Offset	-	-	+	+	+
Logo	+	+	+	+	+
Variable input	-	-	with HMI	with HMI	with HMI
Action field	-	-	+	+	+
1D-Code	-	-	+	+	+
2D-Code	-	-	-	+	+
Data transfer per USB Stick	+	+	+	+	+
Ethernet	+	+	+	+	+
Password protection	-	-	-	-	+
Configurable in-/outputs	-	-	-	+	+
DBPrint	-	-	-	+	+

+ available, - not available  
Technical changes reserved at any time



## Performance piezo for harsh environments

Clogged nozzles, unclear print image, low resolution: large character printing is often the "problem child" of industrial marking. That's why Markoprint has developed the integra PP 108 bicolor.

The Performance Piezo inkjet printing system marks large, fast and with high resolution. And it's unbeatable at it: Even with shocks, it can be used in challenging production environments. This is because the recirculating ink system ensures that no nozzles fail and the print image remains brilliant at all times. To obtain a clean and sharp print result, the distance from the product to be printed to the nozzle plate of the printhead should be 1-3 mm..

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