



The Small MonoPrint

The simple way to add monochrome digital printing to your product



printelligence.

Small is a big idea

Welcome to the Small MonoPrint (SMP)

IJJ's SMP inkjet printer is a compact, high-performance solution that fits seamlessly into production environments – either through OEM integration or end-user retrofit upgrades. Part of our broader MonoPrint and ColourPrint product ranges, the SMP combines a compact remote print head with a 19" rack-based ink system and electronics.

Whether you're printing on a web, sheet, or directly onto the product, the SMP's compact form factor and flexibility unlock new possibilities.

What can you print?

The SMP enables a wide range of applications, including:

- Product identification
- Track & trace / variable data codes
- Spot varnish embellishments
- Anti-counterfeit security marking
- Functional fluids such as adhesives and coatings

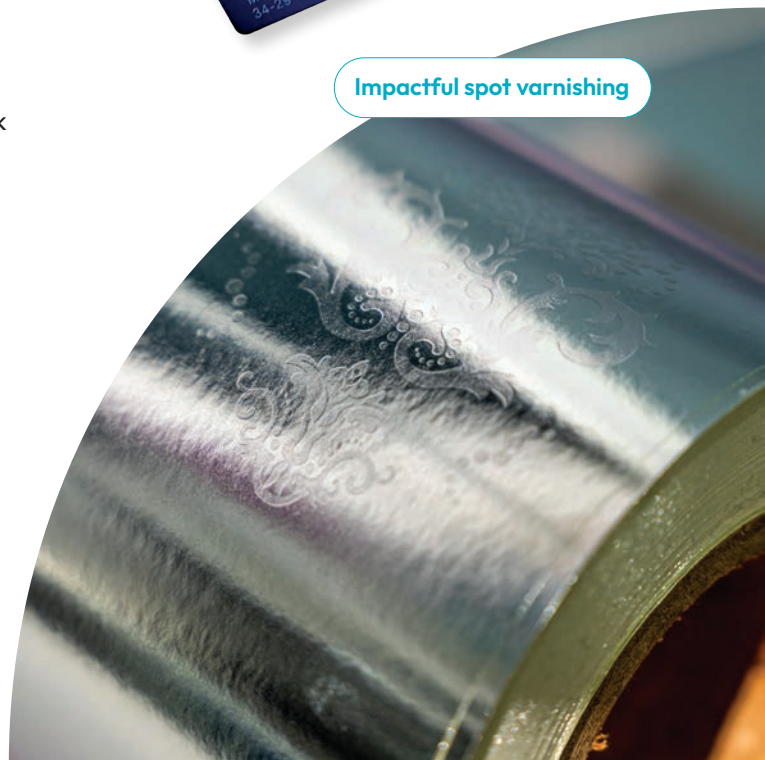


QR code on a label

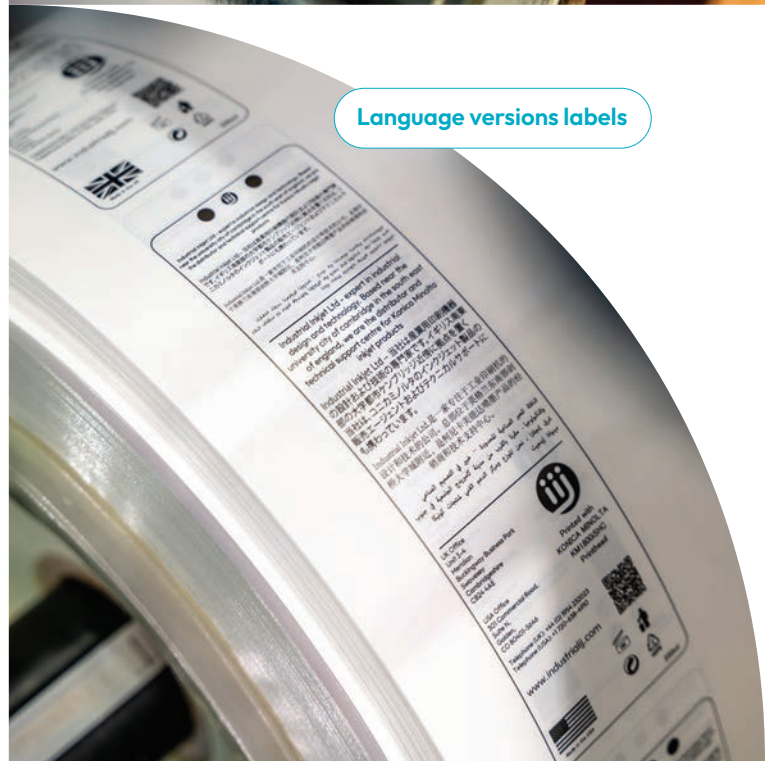
Personalise plastic cards



Impactful spot varnishing



Language versions labels

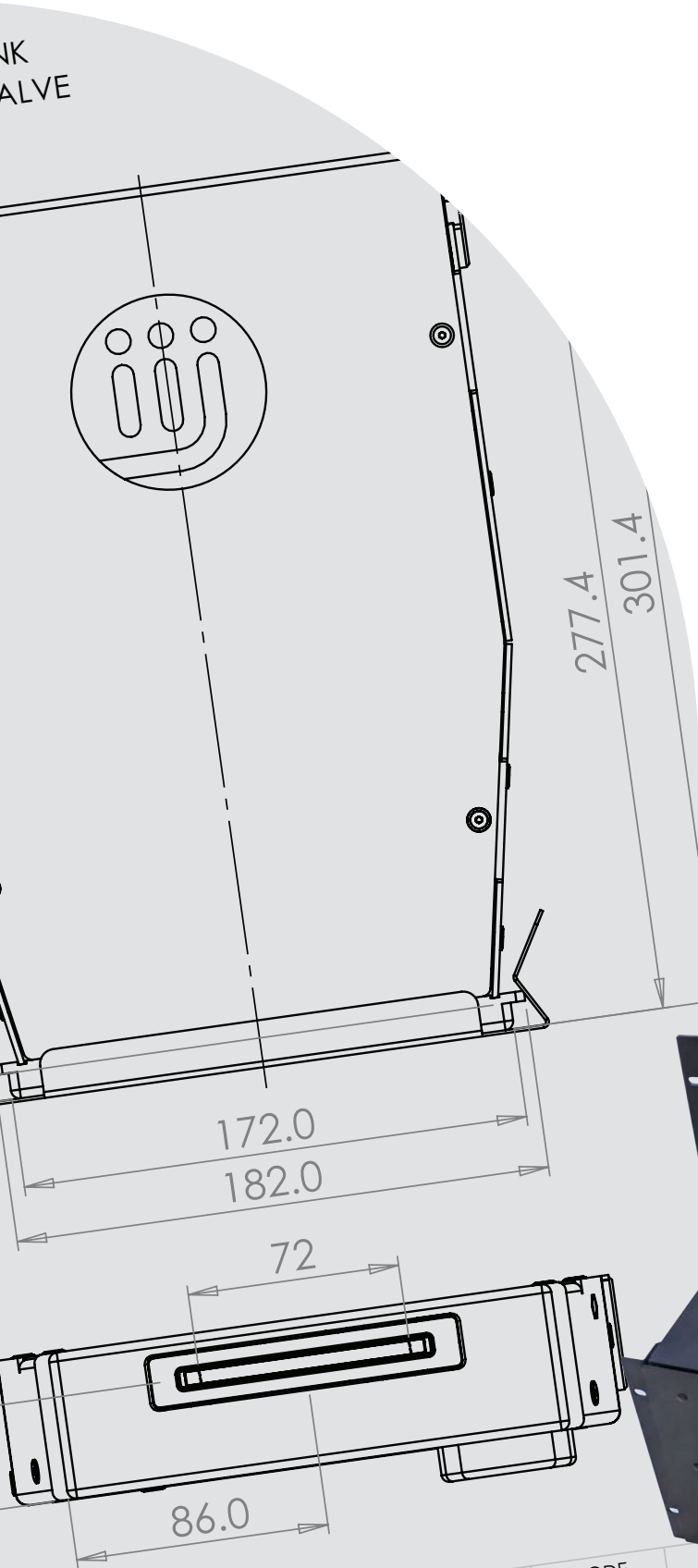


The version in the box: Easy to retrofit

You can position the user interface wherever it suits your process—on the enclosure, on the line, or even remotely.

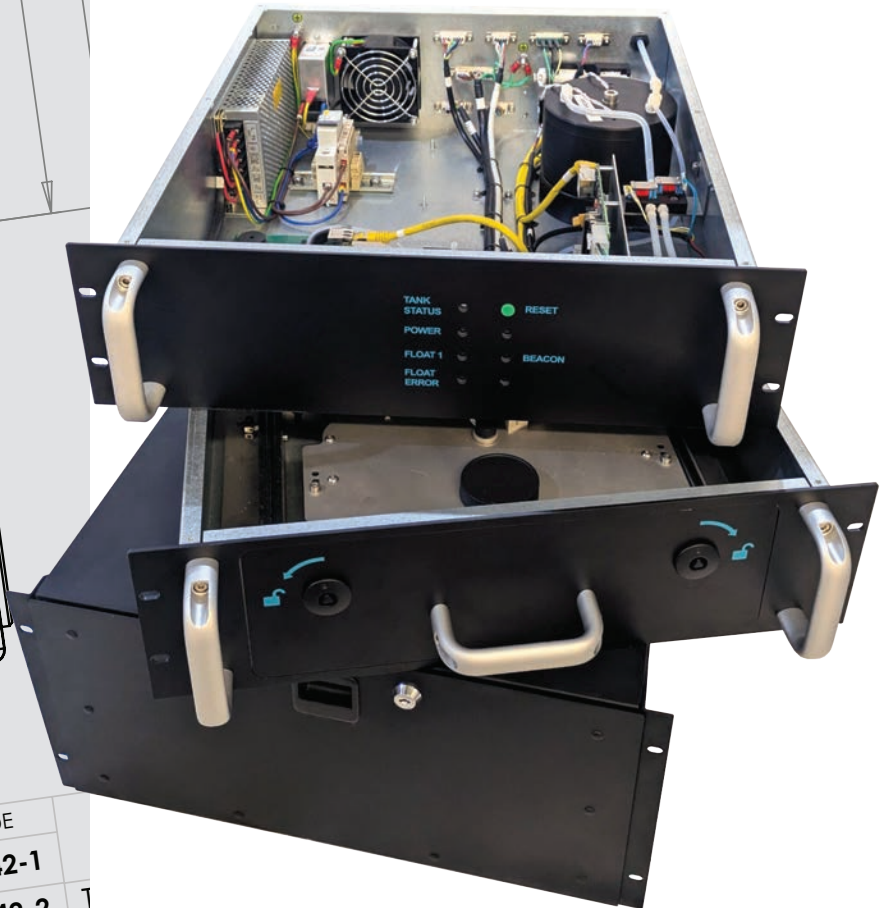
No problem—just extend the enclosure to rack and stack multiple systems.





The version out of the box: Easy to integrate

For OEMs, the SMP is designed to integrate cleanly into your machine design. The 19" drawers for ink and electronics fit directly into your enclosure, enabling a visually and functionally seamless result.



STANDARD TOLERANCES UNLESS OTHERWISE STATED:			
LINEAR:			
X	± 0.50mm		
X.X	± 0.10mm		
X.XX	± 0.05mm		
X.XXX	± 0.01mm		
ANGULAR: ± 1 DEGREE			
ALL DIMENSIONS IN mm			
MATERIAL:		REMOVE BURRS AND SHARP EDGES	
SEE NOTES		DO NOT SCALE DRAWING - IF IN DOUBT ASK	
FINISH:			
CLEAN & FREE FROM DEFECTS			

STATUS	NAME	CODE
DRAWN	PDM	IJJ-442-1
CHECKED	GJ	IJJ-442-2
APPROVED	GJ	IJJ-442-3
DRAWING STATUS: RELEASED		

Small MonoPrint

SMP Model Range

	SMP i 360 x 360dpi	SMP i 360 x 720dpi	SMP MiQ 450 x 450dpi	SMP MiQ 450 x 900 dpi	SMP HiQ 600 x 600dpi	SMP HiQ 600 x 1200dpi
Print Widths	72 or 142mm	72 or 142mm	72 or 142mm	72 or 142mm	75 or 149mm	75 or 149mm
Print Speed	54m/min*	80m/min*	60m/min**	85m/min**	65m/m	100m/m
Drop Sizes	6 or 13 or 30 pL		10 or 18 pL		3.5 pL	
Grey Levels	4	2	4	2	4	2
Printhead Modules	KM1024iSHE (6pL) KM1024iMHE-D (13pL) KM1024iLHE-30 (30pL)		KM1280iMHH (10pL) KM1280iLHH (18pL)		KM1800iSHC-C-2 (3.5pL)	

*Print speed relates to the KM1024MHE-D printhead (13pL) model

**Print speed relates to the KM1280iMHH printhead (10pL) model

Fluids Supported

UV-Curable

- **Standard:** Cyan, Magenta, Yellow, Black, White, Varnish, Adhesive
- **Food Packaging Compliant:** Cyan, Magenta, Yellow, Black, Green
- **Speciality:** invisible IR-readable & UV-fluorescent

Aqueous

- **Standard:** Cyan, Magenta, Yellow, Black

File Formats

- BMP, CSV, JPG, PDF, TIFF

Power Requirements

- 110-240VAC, 50-60Hz, 3A max



KONICA MINOLTA

IMPORTANT NOTES:

1. White ink is only available with KM1024iLHE-30 (30pL) and KM1280iLHH (18pL) printhead modules and requires IJJ Auto-purge.
2. Performance data is for guidance only and may be influenced by ink and application requirements. Contact IJJ to produce your samples to confirm results.
3. For wider print widths or higher speeds, refer to the IJJ MonoPrint product line.
4. All compliances are subject to the application and relevant national regulations.

2D codes





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