

Nilscreen Pro

PRECISION, PERFORMANCE, PERFECTION

The power of integration

Add depth, texture, and brilliance to your labels and packaging. Nilscreen Pro is a next-generation screen printing unit designed for seamless integration with the Nilpeter FA-Line. Combining premium tactile effects, opaque whites, metallic accents, and high-durability coatings, Nilscreen Pro expands your creative and technical potential - all while maintaining the speed and precision Nilpeter is known for.

Where innovation meets reliability

- Fully integrated and servo-driven: Nilscreen Pro is engineered as part of the press, not an add-on.
- Automatic ink control and register: Intelligent features ensure stability and consistent quality throughout production.
- Dual drive technology: Guarantees perfect mesh tension and prevents screen wrinkling.
- Quick setup and minimal downtime: Intuitive design with homing sensors, pre-calibrated settings, and a ready-to-use squeegee starter kit.

Exceptional performance across applications

Ideal for:

- Premium labels - cosmetics, wine, and luxury packaging
- Functional finishes - opaque whites, tactile domes, raised varnishes, metallic effects
- Durable graphics - industrial and technical applications

Compatible with SPG RotaMesh and RotaPlate screens, Nilscreen Pro ensures perfect ink laydown, stability, and detail across a wide range of materials.

Flexible by design

Choose between rail-mounted or in-unit chill drum and UV-lamp configurations to fit your FA-Line setup. Optional accessories include ink pump on trolley, calibration tools, and rubber impression roller for added versatility.

Performance. Integration. Perfection.

Built to perform at up to 100 m/min, Nilscreen Pro enables printers to combine creative freedom with production efficiency adding premium value to every print job.

Nilscreen Pro - the future of high-value screen printing

Contact your local Nilpeter representative to learn how Nilscreen Pro can elevate your FA-Line production.



Nilscreen Pro

The future of high-value screen printing

Available for:

FA-17
FA-22

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www.nilpeter.com

Technical specifications

Feature	Nilscreen Pro FA-17		Nilscreen Pro FA-22
	16" *	17"	22"
Paper width, min.	225 mm	225 mm	285 mm
Paper width, max.	430 mm	450 mm	570 mm
Screen printing width (RotaMesh / RotaPlate)	410 mm / 16"	430 mm / 17"	508 mm / 20" (RP) 560 mm / 22" (RM)
Production speed	Up to 82-100 m/min (job dependent)	Up to 82-100 m/min (job dependent)	Up to 82-100 m/min (job dependent)
Repeat increments	3.175 mm / 1/8"	3.175 mm / 1/8"	3.175 mm / 1/8"
Printing length, min.	304,8 mm / 12"	355.6 mm / 14"	355.6 mm / 14"
Printing length, max.	635 mm / 25"	635 mm / 25"	635 mm / 25"
Lateral screen adjustment	± 3 mm	± 3 mm	± 3 mm
Diagonal screen adjustment	± 0.5 mm	± 0.5 mm	± 0.5 mm
Gap adjustment	0.1-0.85 mm	0.1-0.85 mm	0.1-0.85 mm
Squeegee tip height adjustment	± 2 mm (double sided)	± 2 mm (double sided)	± 2 mm (double sided)
Homing sensor	Included (operator side)	Included (operator side)	Included (operator side)
Automatic register	Included	Included	Included
Ink level control	Included	Included	Included
Ink pump on trolley	Optional	Optional	Optional
Screen drive	Double sided	Dual-sided	Dual-sided
Compressed air	6 bar	6 bar	6 bar
Electrical installation	24VDC + 400V	24VDC + 400V	24VDC + 400V
Ex compliance	No	No	No
End rings / Gearwheels	SPG RSI-MI gearwheel, RSI-MI end rings	SPG RSI-MI	SPG RSI-MI
SPG Screen template RM	IFS: 418-106085	IFS: 418-106085	IFS: 418-106085
SPG Screen template RP	IFS: 418-106086	IFS: 418-106086	IFS: 418-106086

RM = RotaMesh, RP= RotaPlate * For further information about FA-16 cassette used in FA-Line 17 please see document 418-068090_000

Configuration and accessories

- Railmounted chill drum and UV-lamp (optional, with support leg assembly)
- In-unit chill drum and UV-lamp (alternative configuration)
- Ink pump on trolley – quick colour changeovers and easy cleaning
- Rubber impression roller (optional for RotaMesh)
- Calibration and squeegee setup tools – one set per production site
- Starter kit - squeegee and support blades included



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THE PERFECT COMBINATION OF CRAFTSMANSHIP, AUTOMATION, AND DESIGN VERSATILITY - REDEFINING WHAT'S POSSIBLE IN SCREEN PRINTING.