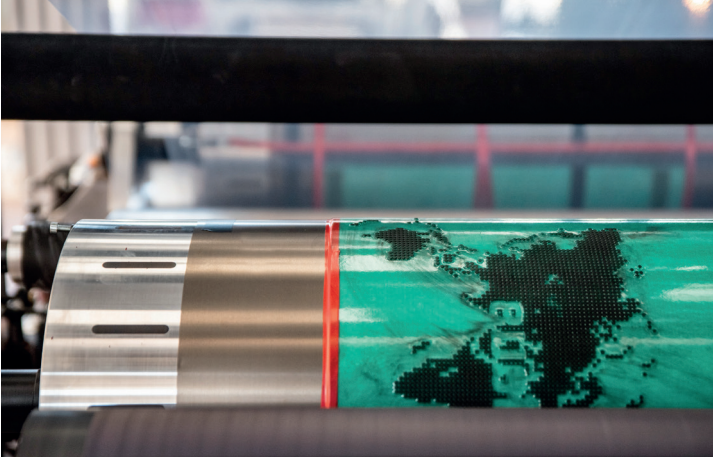




Optional Equipment

□ FILM COOLING SYSTEM

Thanks to the film cooling system that cools down the material during rewinding you will have the best performances with all combinations of inks, printing patterns and material types.

□ AUTOMATIC MOTHER ROLL ALIGNMENT SYSTEM

Thanks to the automatic mother roll alignment system, PMP will align the material in the correct printing position after every mother roll change.

□ VISION SYSTEM FOR PRINTING QUALITY CONTROL

By continuously verifying the printing quality through a high-resolution camera, this accessory will allow you to easily control the printing quality of your finished products even at high speeds.

PDF version



www.maklaus.com

Maklaus

PMP



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Printing MADE EASY

Description

PMP is Maklaus' latest automatic printing machine to produce branded stretch film or other types of printed stretch film.

Integrated. PMP allows to easily print stretch film both with solvent and water-based ink at high speed. Every printing process is integrated in the machine to achieve a higher printing quality with every material and production conditions.

Designed for simplicity. All manual operations including maintenance can be easily performed.

Connected. PMP supports internet connection thanks to a last generation HMI and a dedicated software. Send job orders to the machine directly from your ERP and activate online connection with Maklaus for remote assistance to reduce machine down times when assistance is needed*.

* Internet connection and software integration requested. Contact Maklaus to check ERP compatibility.



Watch it at work



Technical features

Max. printing speed	up to 300 m/min*
Max. diameter of mother roll/finished roll	480 mm
Max. weight of the mother roll/finished roll	83 Kg
Max. width of mother roll/finished roll	600 mm
Mother/finished roll internal core diameter	76 mm
Max. number of colours*	2 - 3 - 4
Type of ink	solvent based water based
Max. printing pitch	550 mm
Max. printing pitch	up to 1000 mm
Min. material width	350 mm (opt. 300 mm)
Material thickness supported	5 -50 µm*
Installed power*	up to 90 kW, depending on numbers of colours
Voltage	400 V
Air pressure	6 bar
Compressed air consumption	Approx. 600 NI/min
Max. dimensions	4,5 x 7,6 x h 4 m
Weight	Approx. 8000kg
Presence of cores sensor	✓
Film wrapped on cylinder sensor	✓
Material presence sensor after rewinding roller, corona treatment, drying device	✓
End of mother roll sensor	✓
Electronic rewinding tension control	✓
Pneumatic lifting of the mother roll	✓
Mother roll automatic alignment system	✓
Electronic pressure control between cliché and anilox/ cliché and central drum	✓
Automatic alignment of the printing groups	✓
Magnetic motorized cliché holders	✓
Rewinding system for printing either internal or external side of material	✓
Corona treatment	✓
Drying device with air heating elements	✓

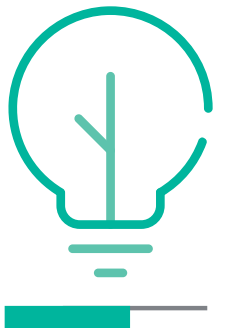
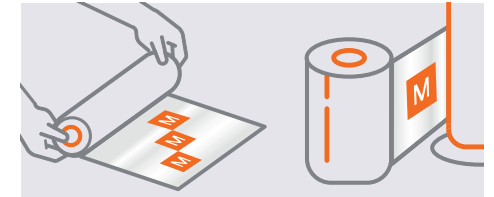
* Depending on the selected version

Printing group drying system	✓
Fume suction manifold	✓
Safety Gate	✓
Film cooling system	Option
Automatic mother roll alignment system	Option
Vision system	Option
Touch screen display	10" touch screen colour display
Remote connection	✓
Industry 4.0 Ready	✓
Multi-language touch screen interface	✓
6.000 m production time	21 min**
120.000 m production time	8 hours**

** Depending on material type and ink type

Products

Printed Mother Rolls



INDUSTRY 4.0