

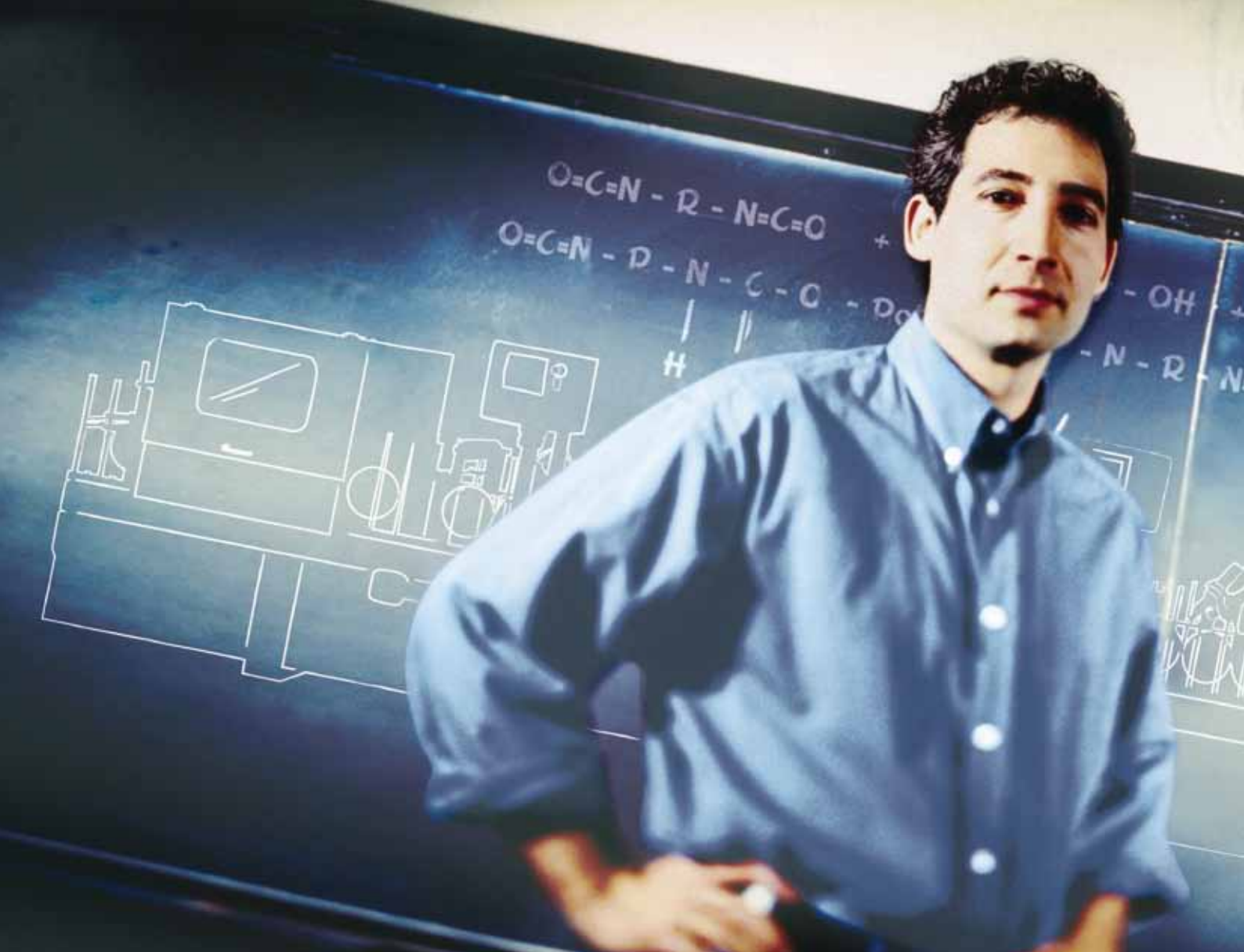


**NWA PROFILE
WRAPPING MACHINES
INTERIOR**

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WPR TAKA: the best solution for profile wrapping.

WPR / TAKA are the only company in the world to combine the design and performance of profile wrapping machinery with the research and innovative production of Hot Melt PUR adhesives. Italian know-how and quality, together with excellent customer service, guarantee complete systems, for machines and adhesives, of outstanding technical performance.

www.wpr.it





PROFILE WRAPPING MACHINES
HOT-MELT POLYURETHANE
REACTIVE ADHESIVES

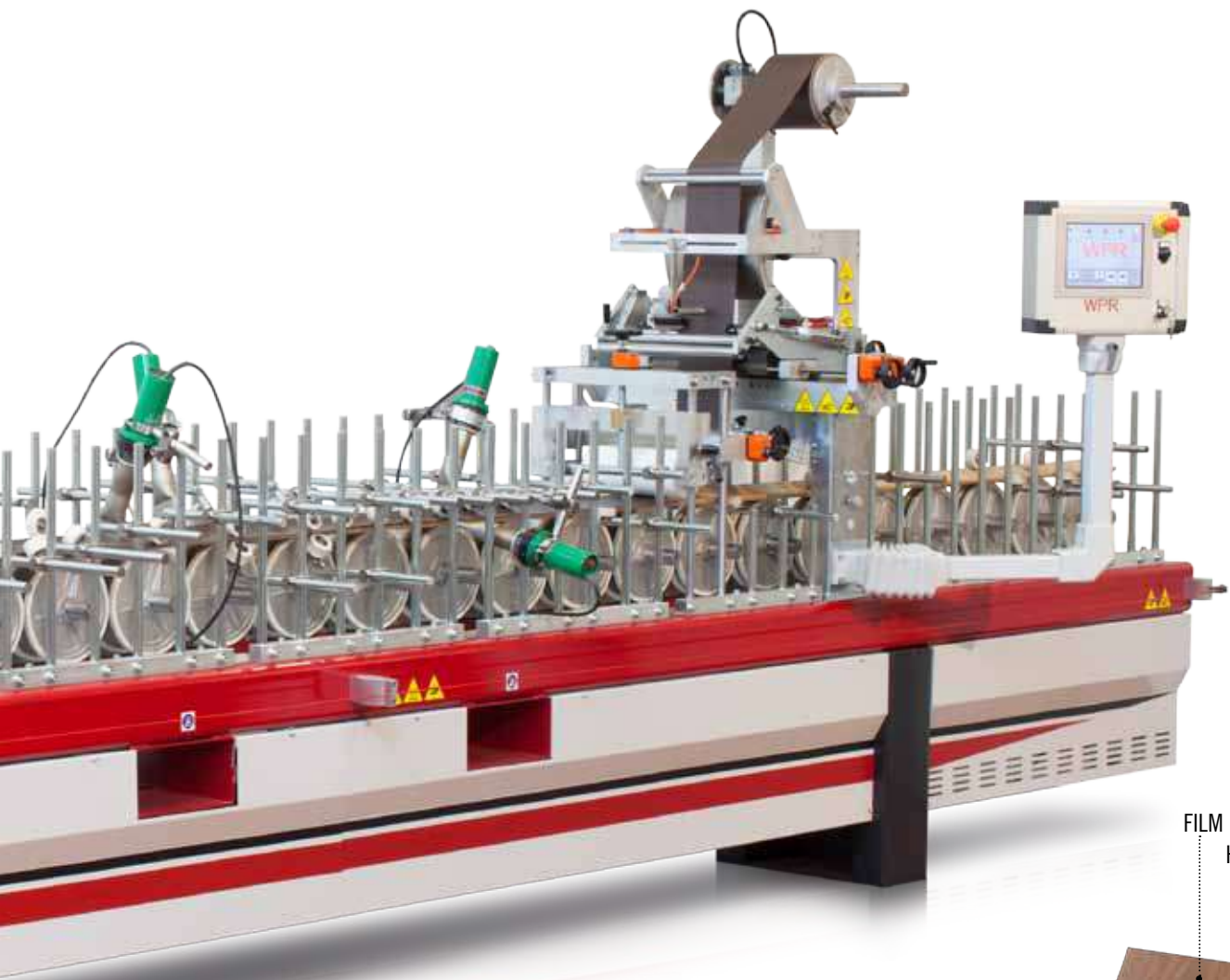


NWA PROFILES WRAPPING MACHINE

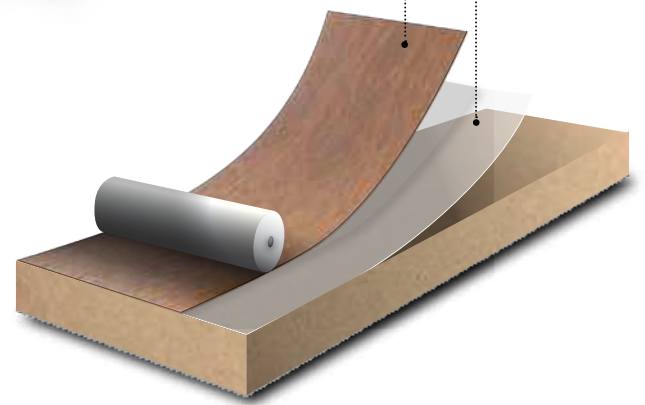
WPR / TAKA have developed a winning synergy between profile wrapping machines and Hot Melt PUR adhesives. The best solution, with the best performance, custom produced for each customer, are the result of the experience gathered by the first manufacturer in the world to combine design and construction of machines with the research and production of next generation glues.



MACHINE LENGHT	from 5.000 to 9.000 mm
FOIL WIDTH	from 15 to 1.350 mm
SPEED	from 0 to 80 m/min



FILM
HOT-MELT

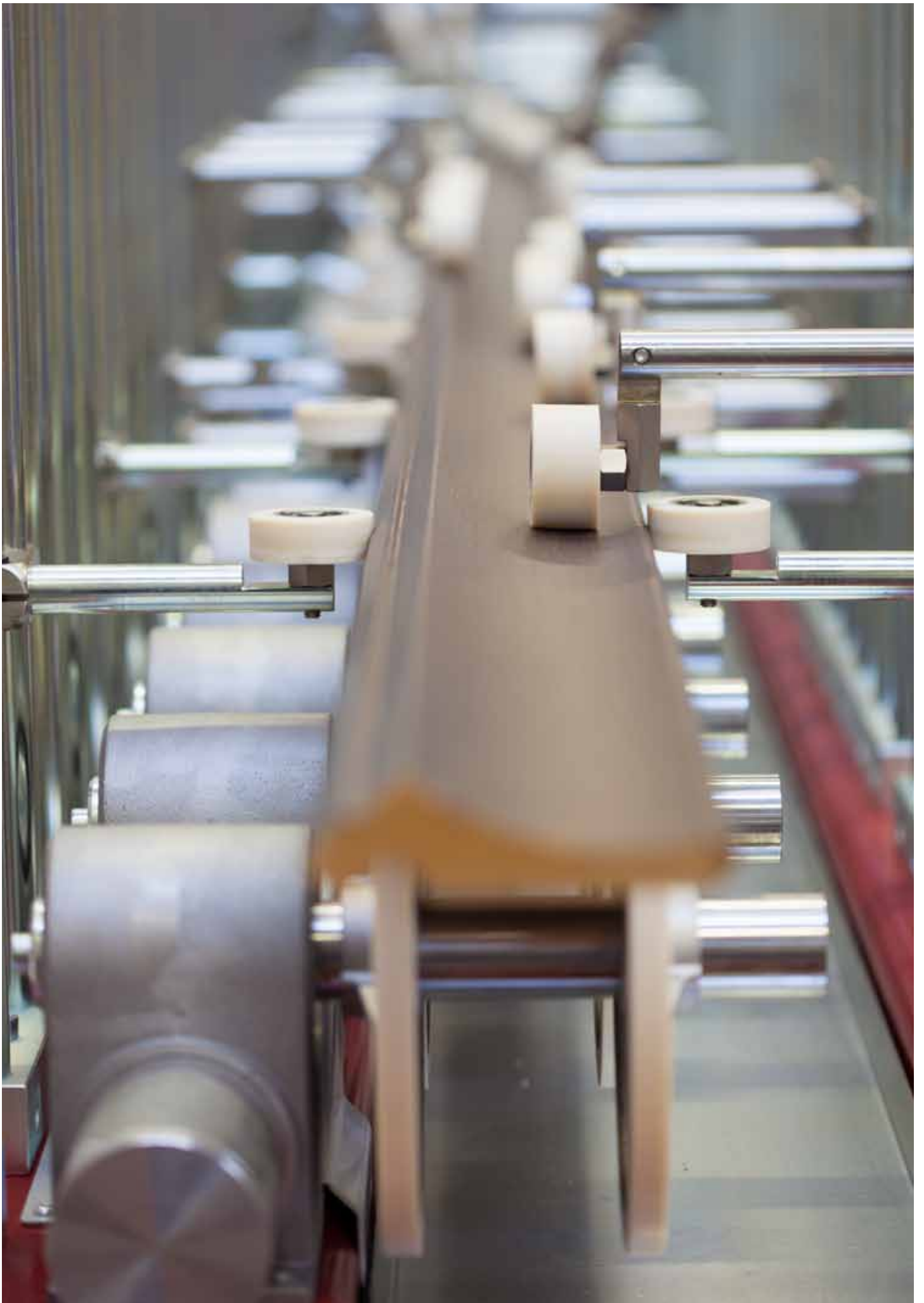


NWA PROFILES WRAPPING MACHINE

NWA is a panel and profile wrapping machine at the forefront of technology, the machine is a result of the extraordinary NWA know-how and quality, and the machine is completely made in Italy.

The NWA system is especially suitable for the wrapping of waferboards, MDF and metal panels, as well as extruded PVC, ABS and PS profiles and panels, using rolls of paper and CPL, PVC, PP, PET, ABS-PMMA veneers.





HOT MELT APPLICATION SYSTEMS

The glueing technology requires the use of Hot Melt and Reactive Hot Melt (HMPUR) adhesives. The adhesives are melted prior to application thanks to the integrated pre-melting system.

The automatic glue dosing system is governed by a central processing unit (CPU) that regulates all the system's processes, the data processing and the set times, the alarms and the safety functions. Unlike other traditional systems, this system simply eliminates the need for manual measurements of the quantity of adhesive to be applied, thus guaranteeing consistently correct doses including when the speed changes, and which result in considerable savings. An "on site" opening system guarantees a safe and quick maintenance of the melting unit.

WHM 20 TANK MELTER

TANK CAPACITY	35 l
MAX PUMP RATE	3/14/30 Kg/h
MAX MELT RATE*	15 Kg/h
PUMPS	n. 1-2
HOSES	n. 1-2
MACHINE DIMENSIONS	1.200x610x1.150 mm

*Melt rate is to be considered theoretic, as it may vary accordingly to the adhesive used.

WHM 20 POWER DRUM TANK MELTER

TANK CAPACITY	35 l
MAX PUMP RATE	3/14/30 Kg/h
MAX MELT RATE*	20 Kg/h
PUMPS	n. 1-2
HOSES	n. 1-2
MACHINE DIMENSIONS	1.200x610x1.750 mm

*Melt rate is to be considered theoretic, as it may vary accordingly to the adhesive used.



WF 16 TANK MELTER

TANK CAPACITY	35 l
MAX PUMP RATE	16/30 Kg/h
MAX MELT RATE*	18/24 Kg/h
PUMPS	n. 1-2
HOSES	n. 1-2
MACHINE DIMENSIONS	1.200x610x1.700 mm

*Melt rate is to be considered theoretic, as it may vary accordingly to the adhesive used.

CLEAN SYSTEM (PATENTED)

The exclusive, patented system ensures that the whole machine, including the applicator, the pumps, the hoses and the slot nozzles can be cleaned perfectly, simply and quickly. The system comprises a thermoregulated tank for the Hot Melt cleaner, an integrated electro-pneumatic product change system, a distribution manifold and the relevant electronic switches. The system can be activated also through a remote switch.



WF 200 DRUM MELTER

CAPACITY	200 l
MAX PUMP RATE	40/80 Kg/h
MAX MELT RATE*	35/90 Kg/h
PUMPS	n. 1-2
HOSES	n. 1-2
MACHINE DIMENSIONS	1.700x800x1.650 mm

*Melt rate is to be considered theoretic, as it may vary accordingly to the adhesive used.

The Drum Melt applicator heats only the necessary part of the adhesive surface, thus avoiding thermal stress and preserving the chemical-physical characteristics of the adhesive.



VARIABLE CLEARANCE SLOT NOZZLES

Thanks to their innovative design, the Hot Melt and Hot Melt PUR slot nozzles are compact and simple to use and maintain. They perform a homogeneous distribution of the glue in all conditions, spreading it precisely along the whole length. Also on PVC, they also provide high quality distribution on special foils.

WORKING TEMPERATURE	75/225 °C
APPLICATION QUANTITY*	10/200 gr/m ²
APPLICATION WIDTH	15/1.350 mm
TEMPERATURE SENSOR	PT100

*The minimum application density value is to be considered theoretical, as it may vary according to the type of adhesive used.





FOIL SLITTER FOR FOIL ROLLS

Multiple-cut coiling-uncoiling foil cutting machine for paper, PVC and CPL laminate foils.

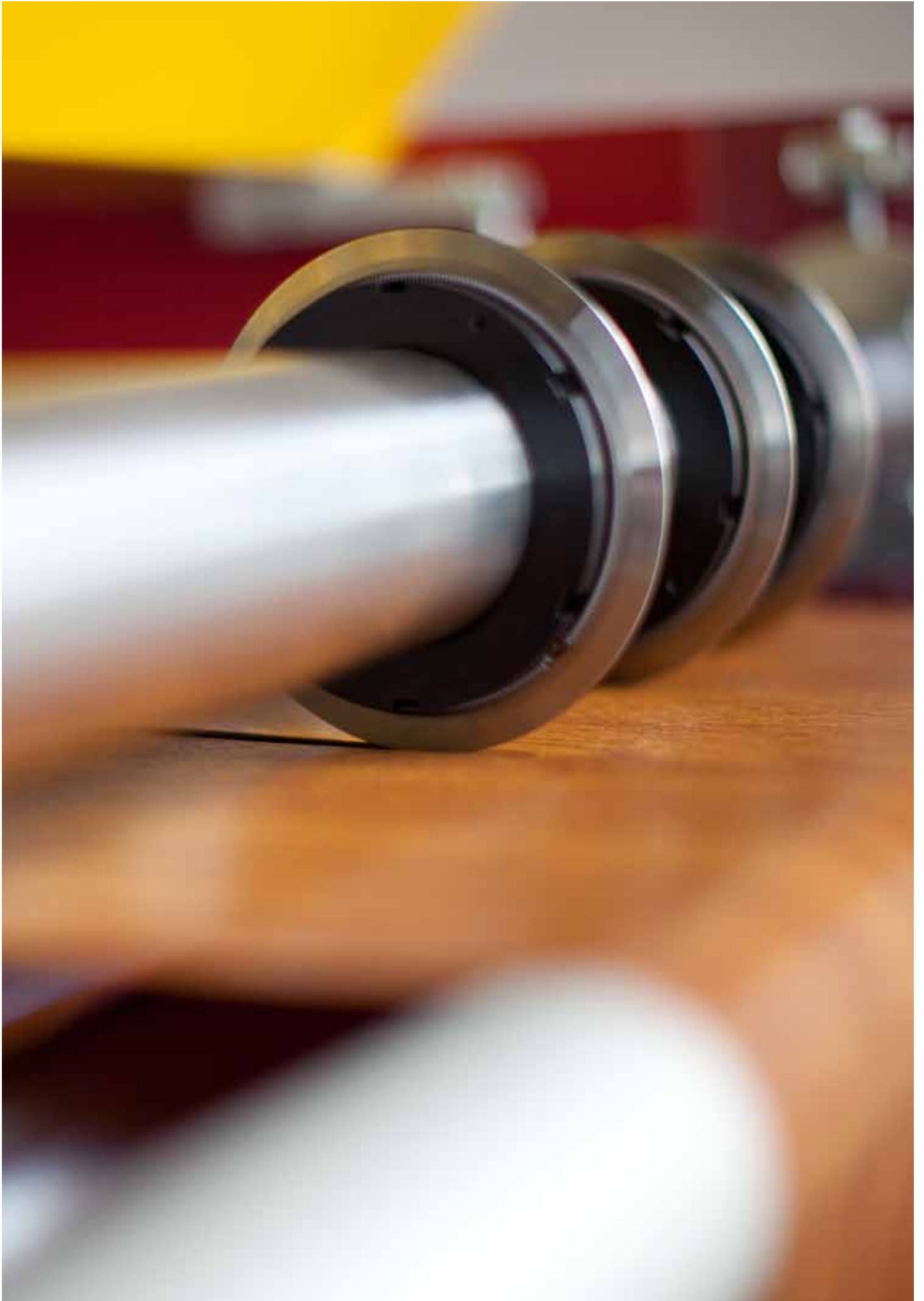
The unwinder shaft installed on quick release recessed seats to facilitate material loading and unloading operations, and the double revider shaft operated by a dedicated motor are both governed by a precision sensor for foil tension control.

WTG 700S-1400S

MAX SPEED	80 m/min
MAX FOIL WIDTH	max 700-1.400 mm
MAX COIL DIAMETRE	max 600 mm

NB Performance should be checked based on the analysis of materials to be processed.





OPTIONAL FEATURES

WPR machines can be customised through the installation of optional features that can make the adjustments quicker and more precise, and increase the performance of the production process, thus improving the quality of the finished wrapped product.

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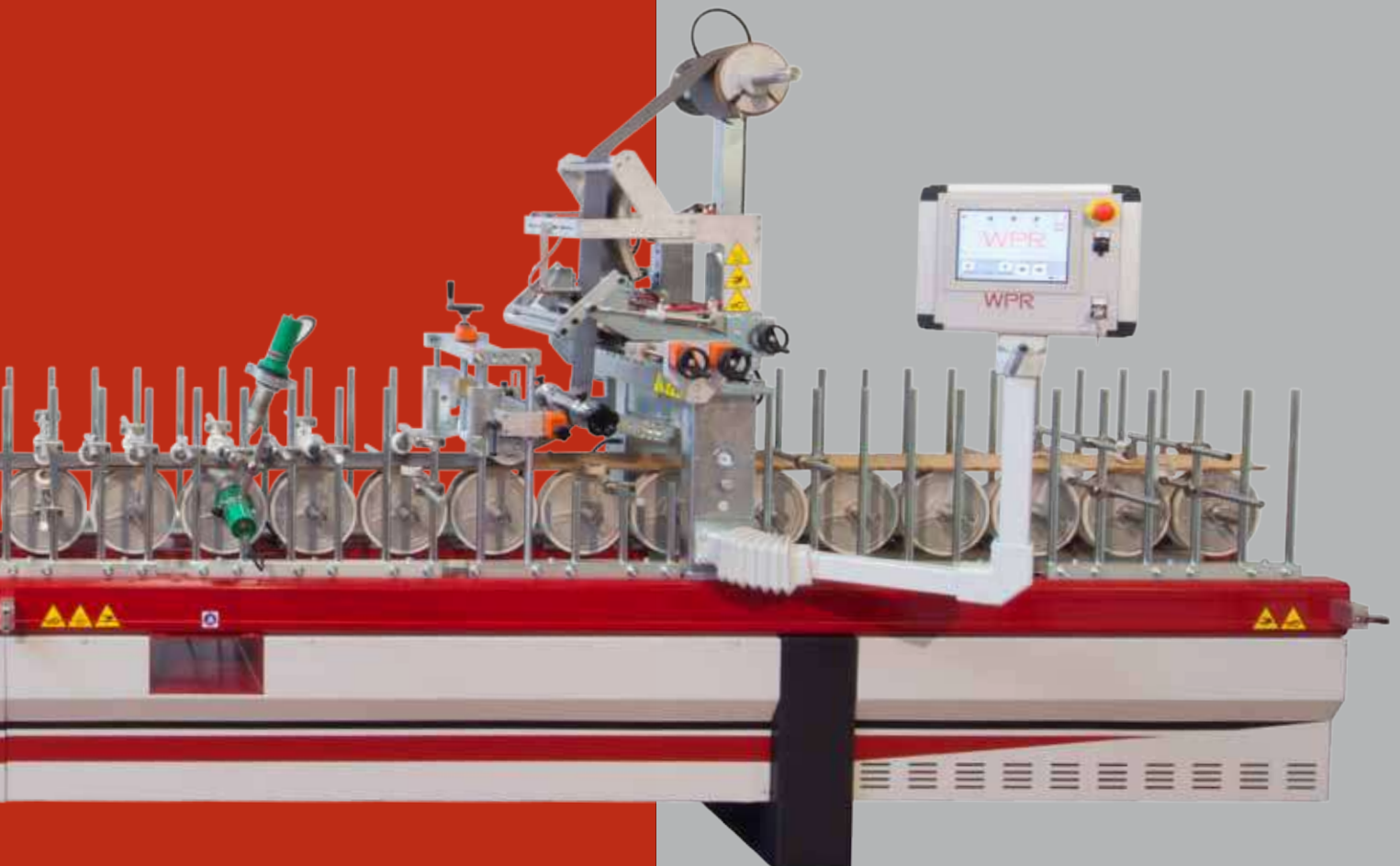
- RAPID TOOL-CHANGE SYSTEM
- LATERAL GUIDE AT PROFILE EXIT
- RAPID HYDRAULIC TOOL-CHANGE SYSTEM
- MANUAL OPENING SHOULDER
- FOIL TRIMMING MACHINES
- DRAFT WHEELS QUICK MOVEMENT, 5 mm STEP
- SIMULTANEOUS OPENING OF DRAFT WHEELS
- FOIL TRIMMING KIT
- “PUSH AND PULL” QUICK CHANGE SYSTEM



- SINGLE UNWINDER WITH EXPANDER
- UNWINDER WITH AUTOMATIC BRAKING CONTROL
- DOUBLE UNWINDER WITH EXPANDER
- DOUBLE UNWINDER WITH AUTOMATIC BRAKING CONTROL
- FOIL HEATING PLATE
- SEMI-AUTOMATIC FOIL SPLICING UNIT WITH UNWINDERS
- PRECISION FOIL GUIDE
- AIR HEATERS
- AUTOMATIC PROFILE FOIL PLACEMENT
- SLOT NOZZLE AUTOMATIC PLACEMENT

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- CLEANING BRUSH
- LATERAL GUIDE AT PROFILE ENTRY
- IR LAMP



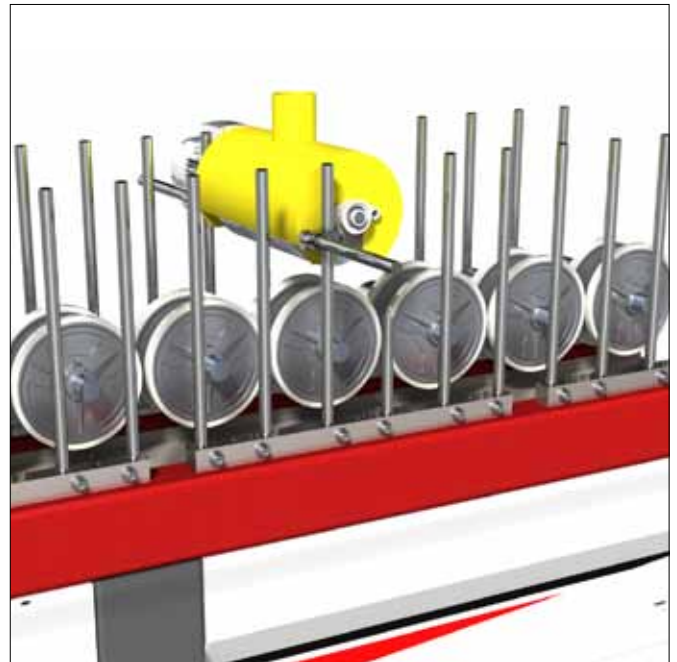
OPTIONAL FEATURES 1



In the initial processing phase, WPR customised systems guarantee high quality preparation and treatment of the profile surfaces and a considerable control of the production process, that is made safe and reliable.

CLEANING BRUSH

Brush used to remove impurities from the profile.



LATERAL GUIDE AT PROFILE ENTRY

2-axis, manual adjustment guide for the alignment of incoming profiles.



IR LAMP

Infrared lamp for profile heating.



OPTIONAL FEATURES 2



In the central processing phase, the WPR optional systems guarantee “tailored” and constant processes, to increase the quality of the final product.

SINGLE UNWINDER WITH EXPANDER

Single unwinder for foil rolls, with pneumatic-assisted braking system. Pneumatic expansion roll lock.



UNWINDER WITH AUTOMATIC BRAKING CONTROL

Single unwinder for foil rolls, with automatic braking control system. Pneumatic expansion roll lock.



OPTIONAL FEATURES 2

DOUBLE UNWINDER WITH EXPANDER

Double unwinder for foil rolls, with pneumatic-assisted braking system. Pneumatic expansion roll lock.



DOUBLE UNWINDER WITH AUTOMATIC BRAKING CONTROL

Double unwinder for foil rolls, with automatic braking control system. Pneumatic expansion roll lock.



PRECISION FOIL GUIDE

Precision foil/profile alignment system with manual adjustment.



AIR HEATERS

Air regulators with temperature control (from 0° to 600° C) and outgoing air flow.



FOIL HEATING PLATE

Heating plate for pre-heating foils.



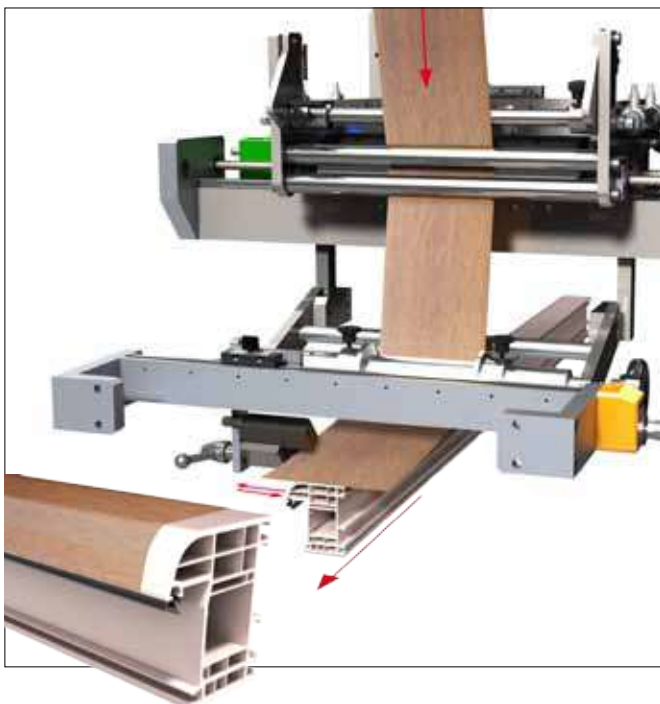
SEMI-AUTOMATIC FOIL SPLICING UNIT WITH UNWINDERS

Automatic foil splicing system, with profile/splice synchronising device.



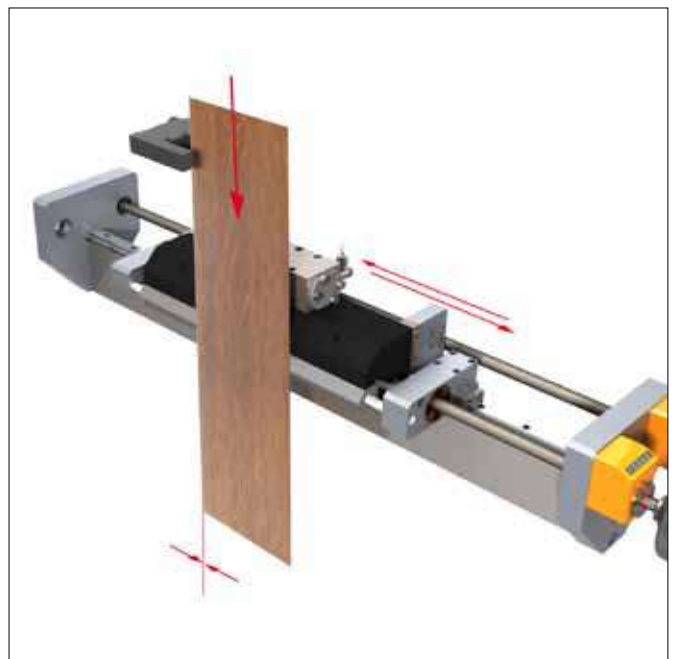
AUTOMATIC PROFILE FOIL PLACEMENT

The automatic control system guarantees the correct placement of the decorative foil on the profile.



SLOT NOZZLE AUTOMATIC PLACEMENT

The automatic control system guarantees the correct placement of the slot nozzle in respect to the foil.



OPTIONAL FEATURES 3



In the third phase WPR accessories integrate the system with features that reduce tooling times and increase production speed.

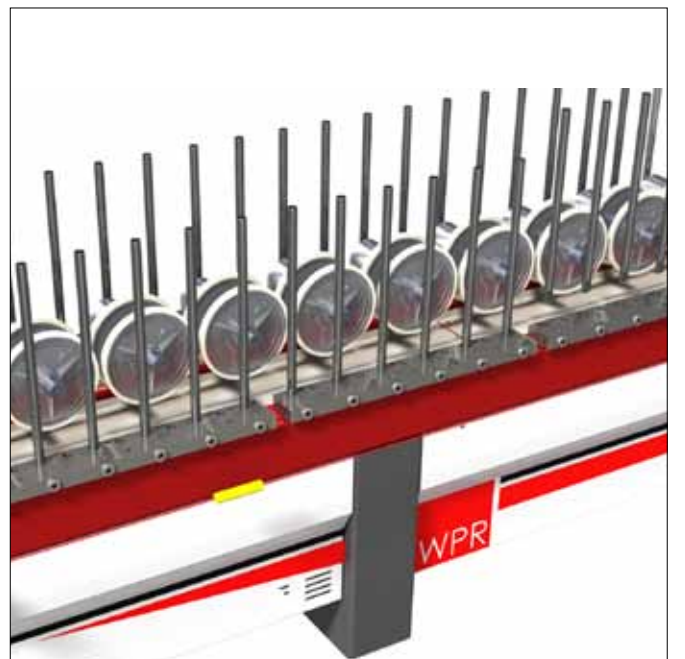
RAPID TOOL-CHANGE SYSTEM

Mechanical eccentric locking system for the rapid exchange of profile guide and lamination tools.



RAPID HYDRAULIC TOOL-CHANGE SYSTEM

High precision hydraulic locking system for profile guide and lamination tooling, complete with hydraulic pump.



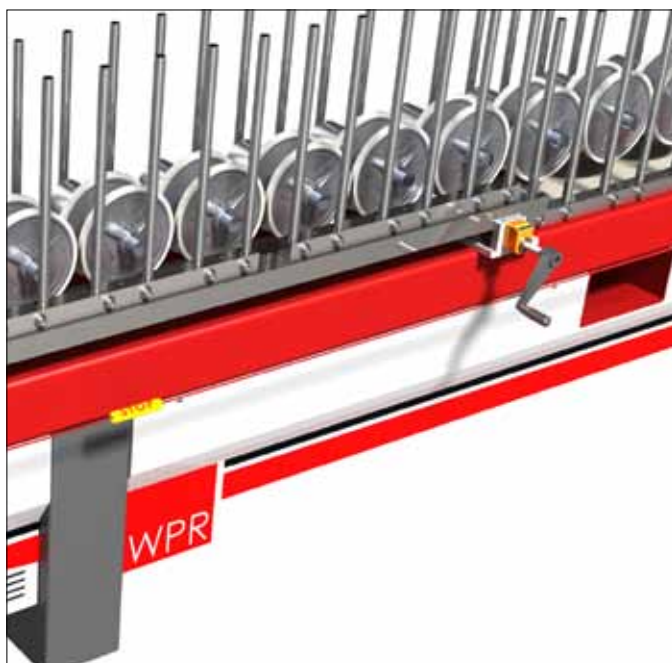
LATERAL GUIDE AT PROFILE EXIT

2-axis, manual adjustment guide for the alignment of outgoing profiles.



MANUAL OPENING SHOULDER

Transfer system for the tools placed on board of the machine, complete with position indicator.



FOIL TRIMMING MACHINES

Excess foil, veneer or CPL trimming system, complete with autonomous high speed motor and 3-axis adjustment.



OPTIONAL FEATURES 3

DRAFT WHEELS QUICK MOVEMENT, 5 mm STEP

Fast regulation system that makes it possible to move the individual draft wheels by means of a mechanical guide and stop devices, with a 5 mm step.



SIMULTANEOUS OPENING OF DRAFT WHEELS

Fast action that can be triggered directly from the mechanical register for the simultaneous opening of the draft wheels.



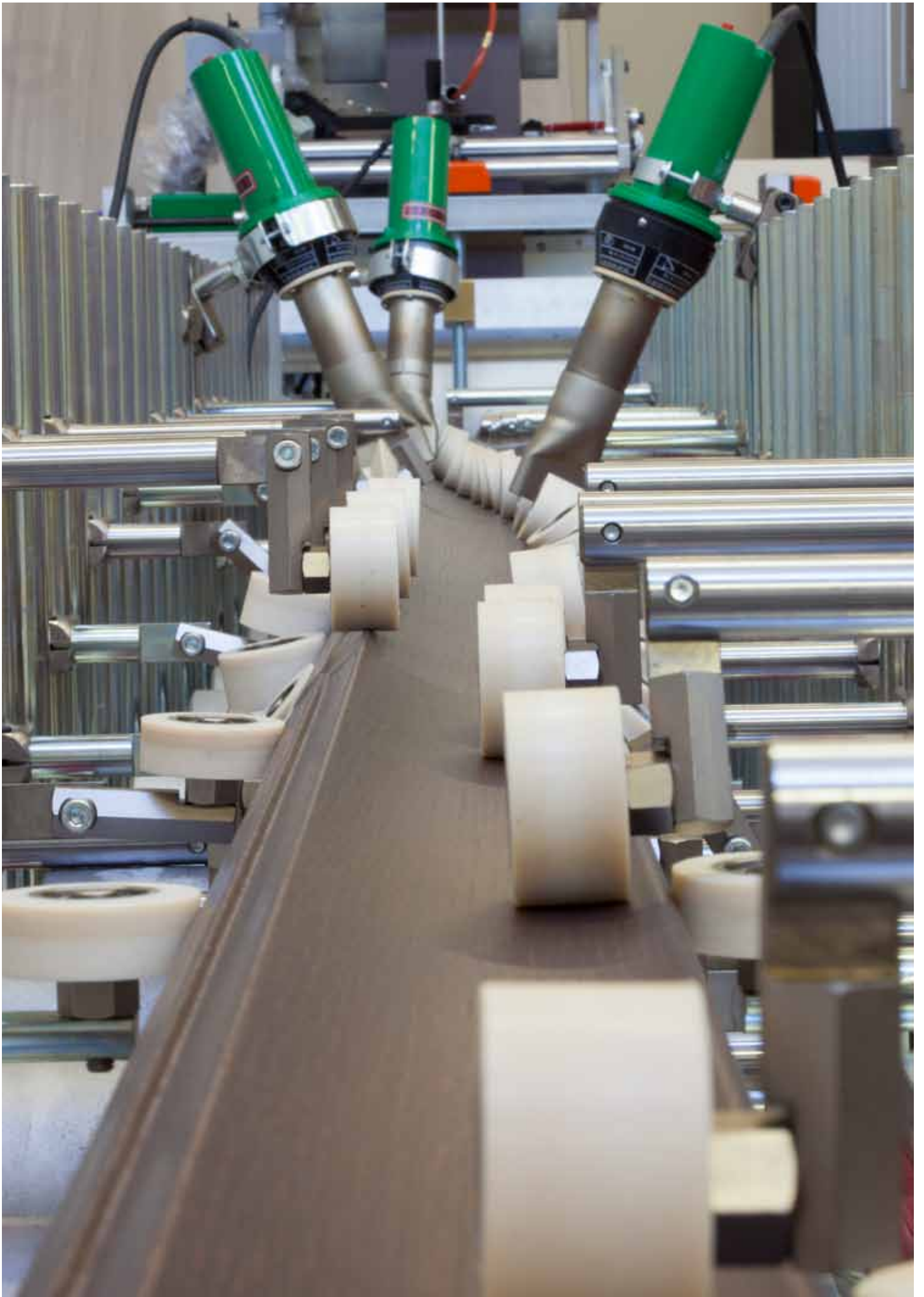
FOIL TRIMMING KIT

Excess foil trimming that can be oriented from 0° to 90°, complete with adjustable flow “Venturi” pneumatic suction system.



“PUSH AND PULL” QUICK CHANGE SYSTEM





CONTACTS

HEADQUARTER

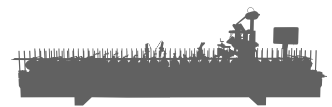
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