

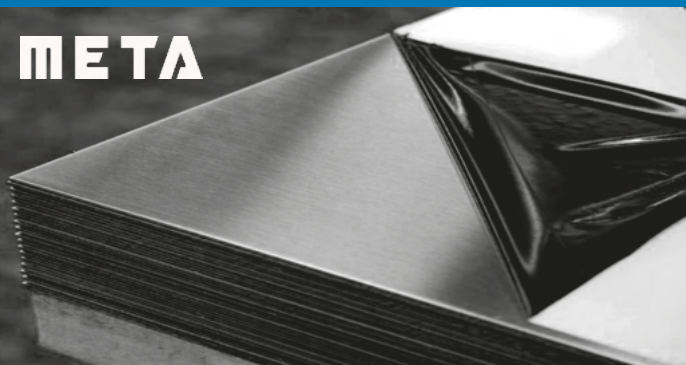
english



META
mechanics + automations

lamination systems

META



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**Via XIX Luglio, 8 - 31013
Cimetta di Codognè (TV)**



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META designs, develops and produces its systems for the application of protective film on sheets of various materials.

Our machines are produced entirely in our factory, always guaranteeing the maximum Made In Italy quality.

META's philosophy is based on listening to the client to understand their needs and to consequently develop increasingly high performing and customised solutions.

Our systems are delivered with a "turn-key" formula complete with various options and accessories, guaranteeing safety and ergonomics for the final users.

Within a META laminating line machines can be easily introduce for the surface processing of the sheet (satin finishing machine, brushing machine, etc.)

The continuous and significant investments in research and development have led META to completing a range of laminating machines:

- PLA-TZ-CNC laminating machine
- PLA-TZ-CNC-DUPLO laminating machine
- PLA-R-CNC laminating machine
- PLA-MD-CNC-R laminating machine



technical data of the line

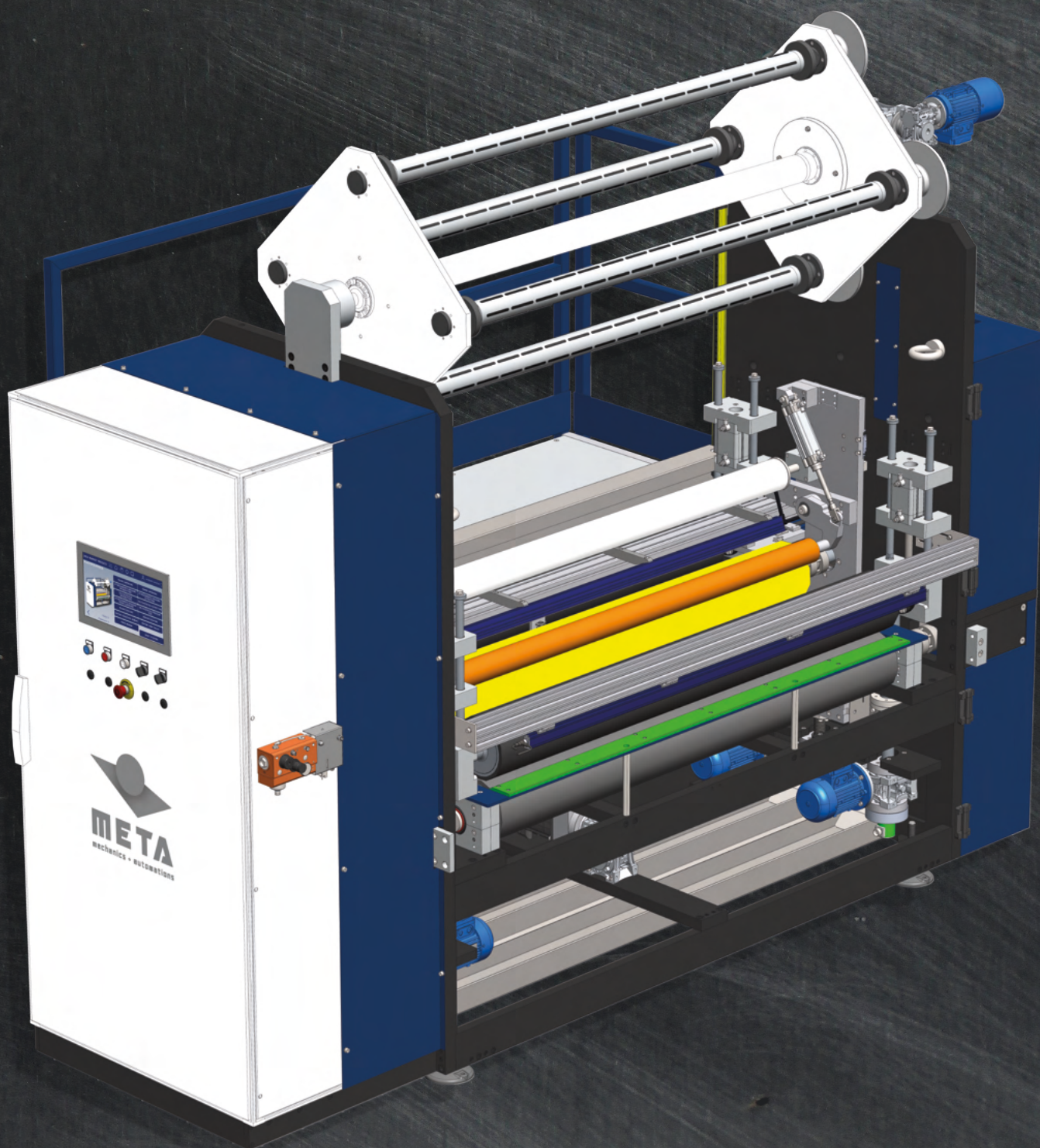
	MINIMUM	MAXIMUM	
<i>sheet width</i>	<i>450mm</i>	<i>2100mm</i>	
<i>sheet length</i>	<i>500mm</i>	<i>7000mm</i>	
<i>sheet thickness</i>	<i>0,1mm</i>	<i>20mm</i>	
<i>maximum weight sheet</i>	<i>–</i>	<i>1200kg</i>	
<i>No. of spools in the machine</i>	<i>1</i>	<i>5</i>	

META customises and adapts the loading and unloading solutions of the sheet based on the requirements and available spaces of the client by configuring the loaders transversally or longitudinally.

Always in constant evolution and on the quest for new solutions, the technicians of the META sales and design department will be available to you for any clarification on the innumerable solutions available to you.



model
PLA-CNC-R



materials to be processed

	MINIMUM	MAXIMUM	
<i>processed material</i>	<i>Stainless Steel - Brass - Copper - Aluminium</i>		
<i>sheet length (mm)</i>	500	8000	
<i>sheet width (mm)</i>	400	2100	
<i>sheet thickness (mm)</i>	0,4	10	

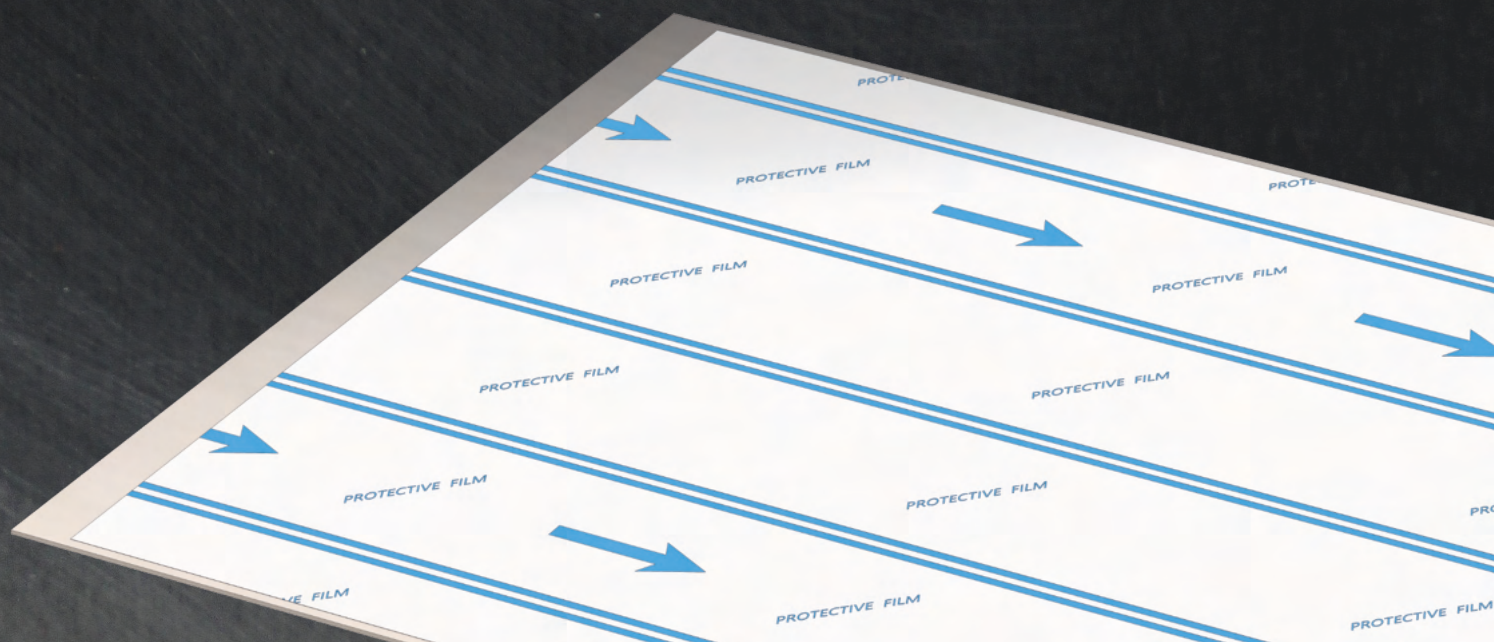
protective film to be applied

	MINIMUM	MAXIMUM	
<i>processed material</i>	<i>PVC Film</i>		
<i>film thickness ((low adhesiveness)</i>	35 μm	100 μm	
<i>plastic film cutting tolerances on all the lengths</i>		+/- 0,1mm	
<i>plastic film cutting tolerances on all the widths</i>		+/- 0,1mm	

The PLA-CNC-R Laminating Machine is a machine created to perfectly stretch the plastic film on the upper side of the sheet with the possibility of changing the unprotected spaces at the top and bottom called "RESERVES".

The interface with the machine, through the HMI TFT panel, is easy and user-friendly allowing the operator to set the parameters necessary for production and facilitating the format change of the sheets to be processed.

The machine is supplied with a system of communication and remote assistance through VPN end-to-end and IoT (Internet of Things) system which guarantees data collection from PLC for Industry 4.0 applications.



model
PLA-CNC-TZ



materials to be processed

	MINIMUM	MAXIMUM	
<i>processed material</i>	<i>Stainless Steel - Brass - Copper - Aluminium</i>		
<i>sheet length (mm)</i>	500	8000	
<i>sheet width (mm)</i>	400	2100	
<i>sheet thickness (mm)</i>	0,4	10	

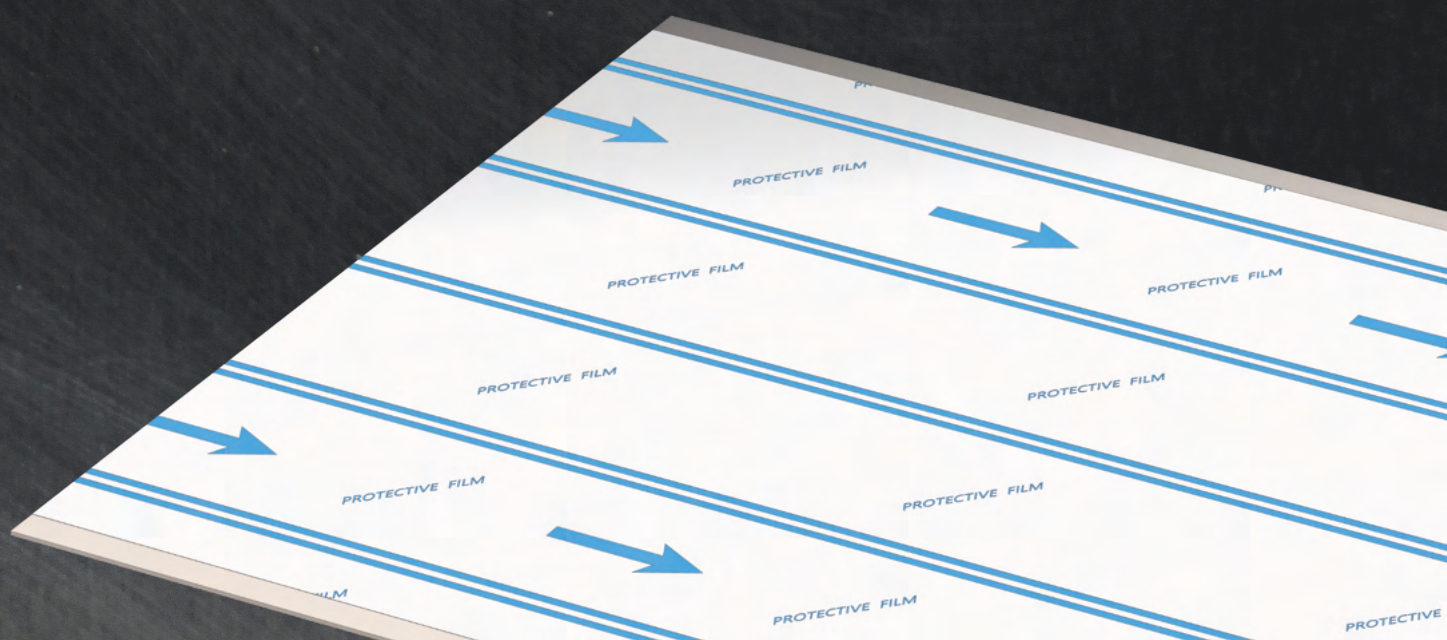
protective film to be applied

	MINIMUM	MAXIMUM	
<i>processed material</i>	<i>PVC Film</i>		
<i>film thickness ((low adhesiveness)</i>	35 μ m	100 μ m	
<i>plastic film cutting tolerances on all the lengths</i>		+/- 0,1mm	
<i>plastic film cutting tolerances on all the widths</i>		+/- 0,1mm	

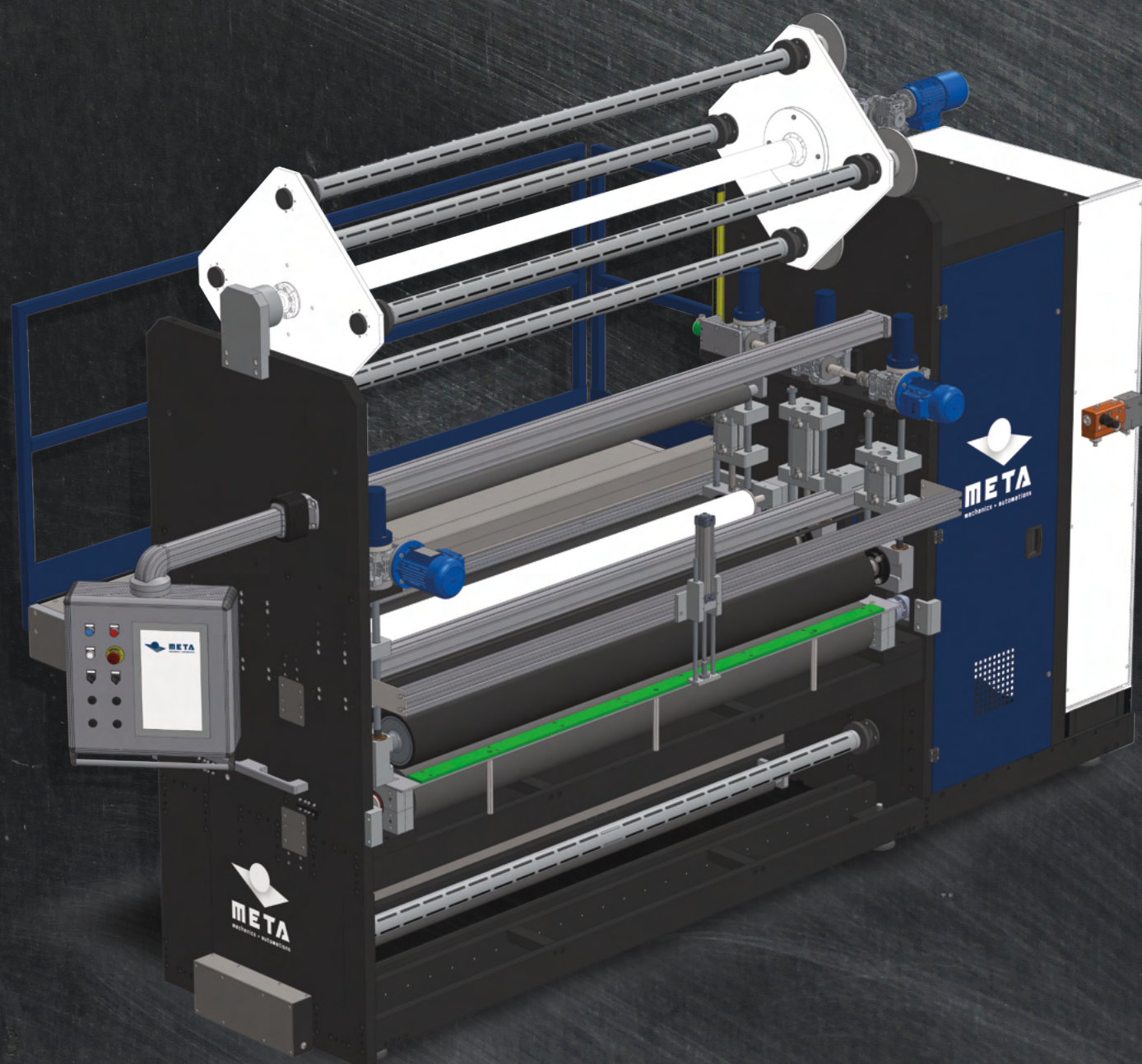
The PLA-CNC-TZ Laminating Machine is a machine created to perfectly stretch the plastic film, with low and high adhesiveness, on the upper side of the sheet, guaranteeing the actual “ZERO” cut, avoiding plastic to be wasted since the cut coincides with the edge of the sheet.

The interface with the machine, through the HMI TFT panel, is easy and user-friendly allowing the operator to set the parameters necessary for production and facilitating the format change of the sheets to be processed.

The machine is supplied with a system of communication and remote assistance through VPN end-to-end and IoT (Internet of Things) system which guarantees data collection from PLC for Industry 4.0 applications.



model
PLA-CNC-TZ
DUPLO



materials to be processed

	MINIMUM	MAXIMUM	
<i>processed material</i>	<i>Stainless Steel - Brass - Copper - Aluminium</i>		
<i>sheet length (mm)</i>	500	8000	
<i>sheet width (mm)</i>	400	2100	
<i>sheet thickness (mm)</i>	0,4	10	

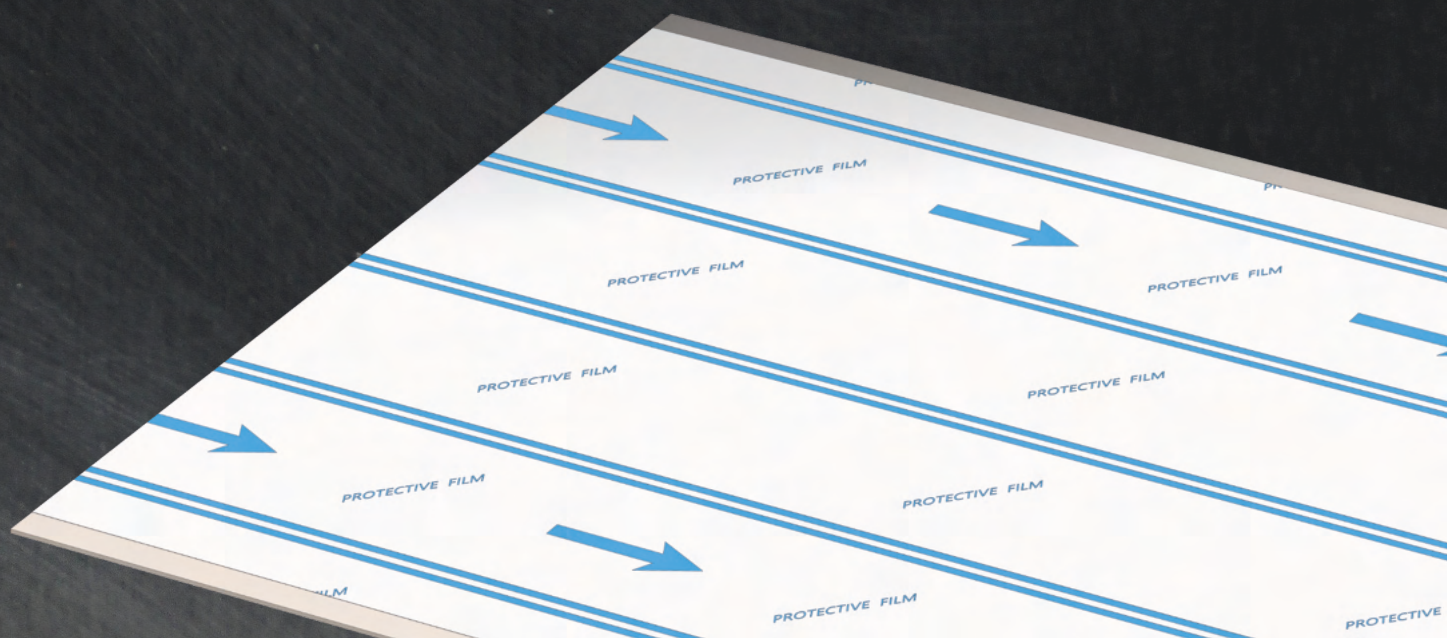
protective film to be applied

	MINIMUM	MAXIMUM	
<i>processed material</i>	<i>PVC Film</i>		
<i>film thickness ((low adhesiveness)</i>	35 μ m	100 μ m	
<i>plastic film cutting tolerances on all the lengths</i>		+/- 0,1mm	
<i>plastic film cutting tolerances on all the widths</i>		+/- 0,1mm	

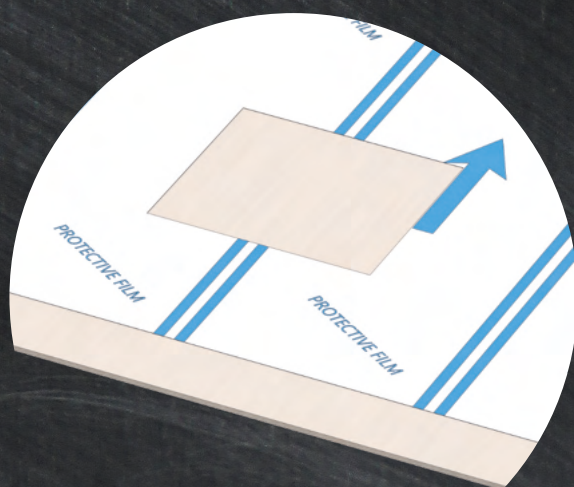
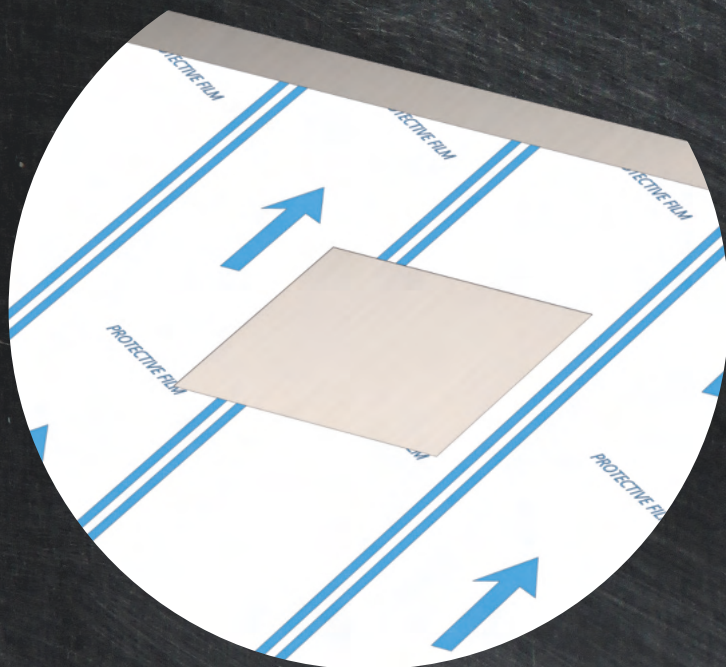
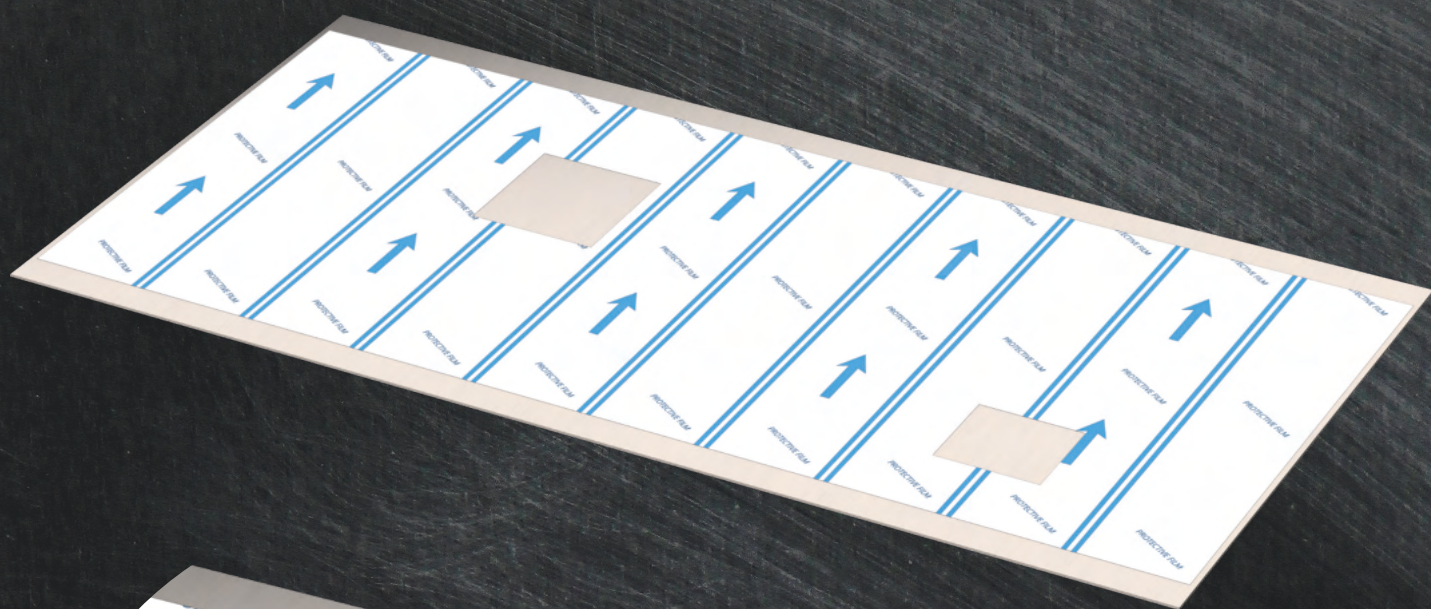
The PLA-CNC-TZ-DUPLO Laminating Machine is a machine created to perfectly stretch the plastic film, with low and high adhesiveness, on the upper side of the sheet at the same time, guaranteeing the actual "ZERO" cut, avoiding plastic to be wasted since the cut coincides with the edge of the sheet.

The interface with the machine, through the HMI TFT panel, is easy and user-friendly allowing the operator to set the parameters necessary for production and facilitating the format change of the sheets to be processed.

The machine is supplied with a system of communication and remote assistance through VPN end-to-end and IoT (Internet of Things) system which guarantees data collection from PLC for Industry 4.0 applications.



model
PLA-MD-CNC-R



materials to be processed

	MINIMUM	MAXIMUM	
<i>processed material</i>	<i>Stainless Steel - Brass - Copper - Aluminium</i>		
<i>sheet length (mm)</i>	500	8000	
<i>sheet width (mm)</i>	400	2100	
<i>sheet thickness (mm)</i>	0,4	10	

protective film to be applied

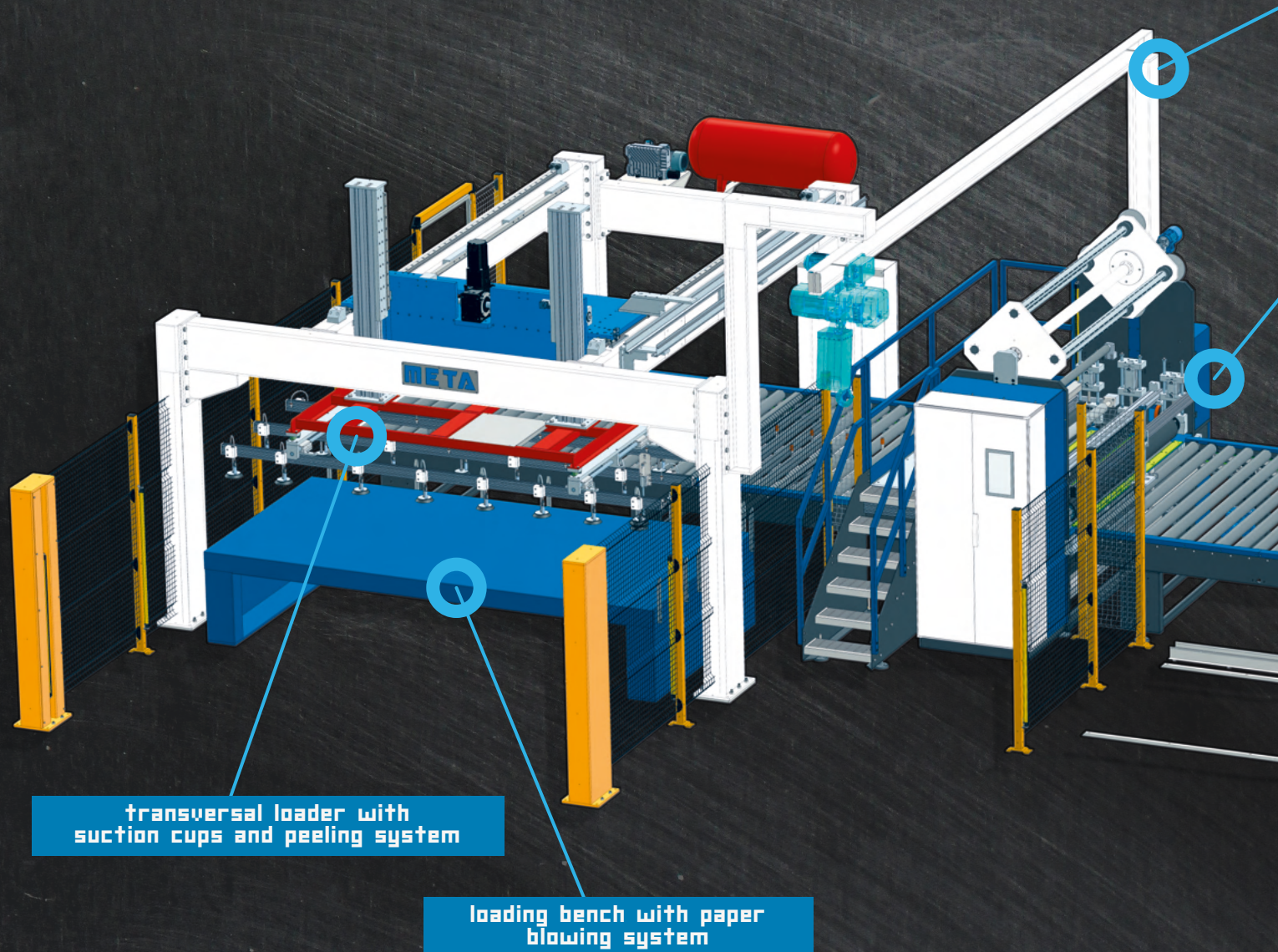
	MINIMUM	MAXIMUM	
<i>processed material</i>	<i>PVC Film</i>		
<i>film thickness ((low adhesiveness)</i>	35 μ m	100 μ m	
<i>plastic film cutting tolerances on all the lengths</i>		+/- 0,1mm	
<i>plastic film cutting tolerances on all the widths</i>		+/- 0,1mm	

The PLA-MD-CNC-R Laminating Machine is a machine created to perfectly stretch the plastic film on the upper side of the sheet with the possibility of changing the unprotected spaces at the top and bottom called "RESERVES". In addition it makes it possible to obtain square and/or rectangular-shaped areas and spaces with different measurements and positions without the protective film. The number of spaces that can be created on every single sheet depends on the configuration of the machine.

The interface with the machine, through the HMI TFT panel, is easy and user-friendly allowing the operator to set the parameters necessary for production and facilitating the format change of the sheets to be processed.

The machine is supplied with a system of communication and remote assistance through VPN end-to-end and IoT (Internet of Things) system which guarantees data collection from PLC for Industry 4.0 applications.

laminating line with transversal loading





hoist for spool replacement

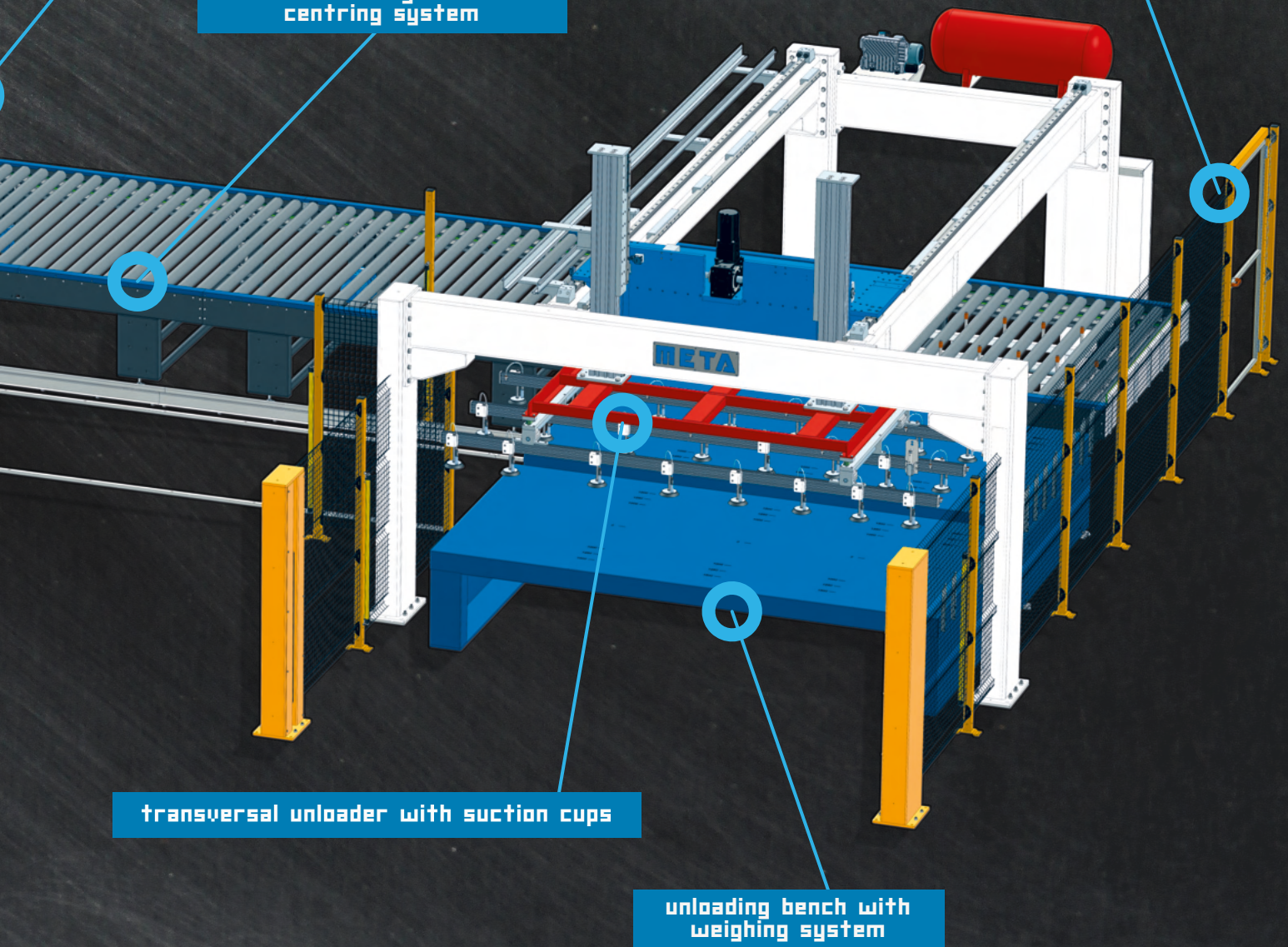
laminating machine

customised perimeter nets

roller conveyor with
centring system

transversal unloader with suction cups

unloading bench with
weighing system

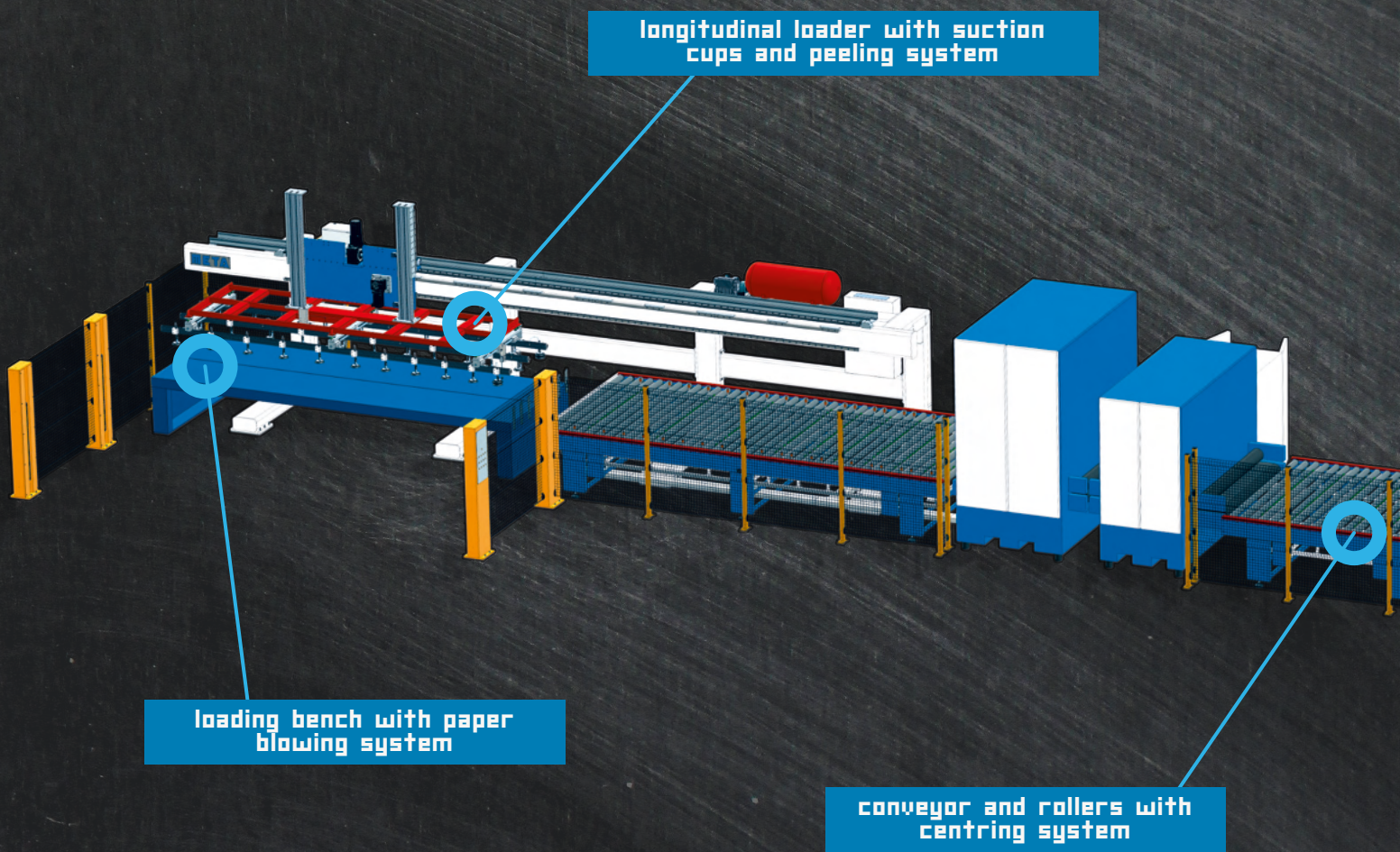


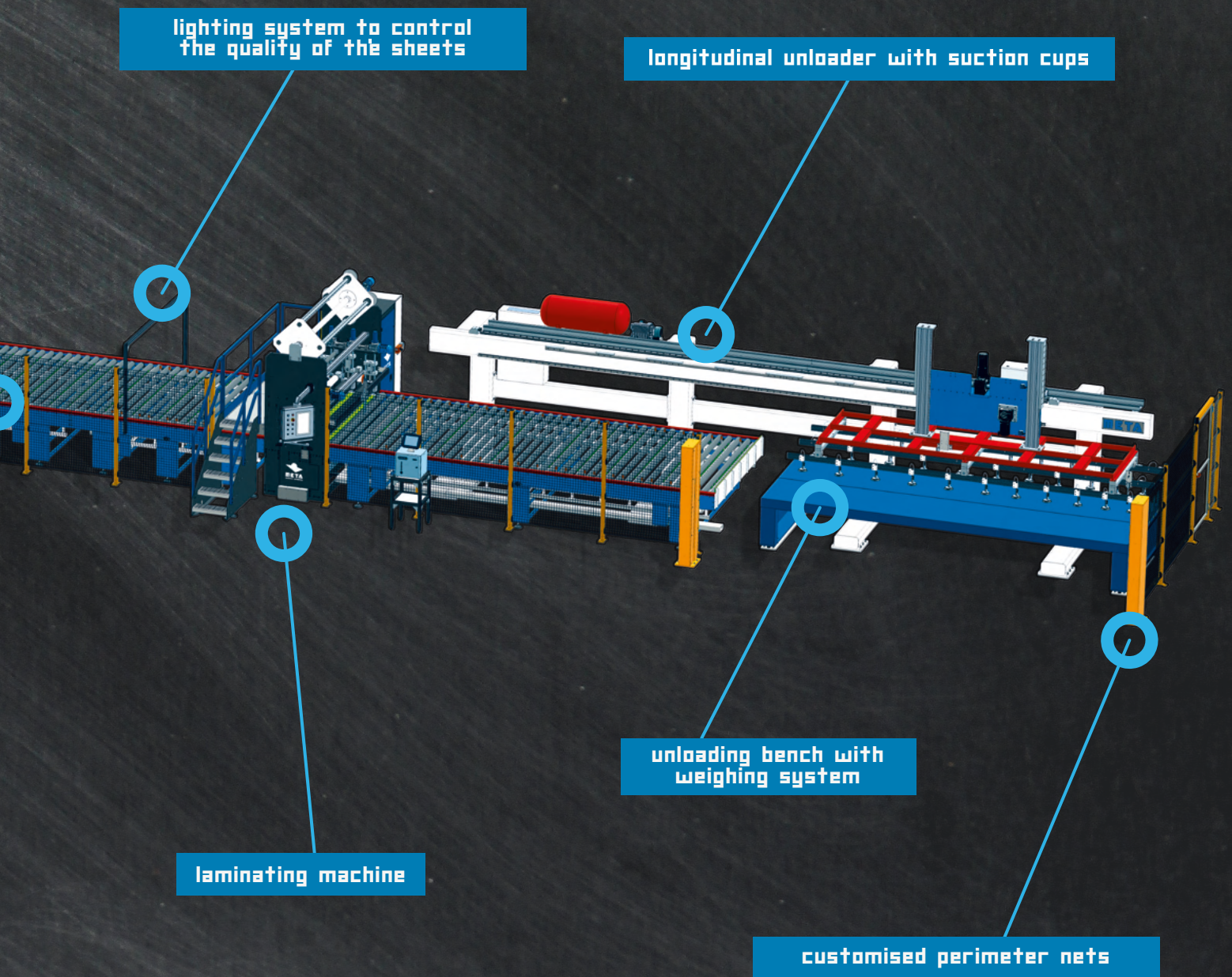
laminating line with longitudinal loading

longitudinal loader with suction cups and peeling system

loading bench with paper blowing system

conveyor and rollers with centring system



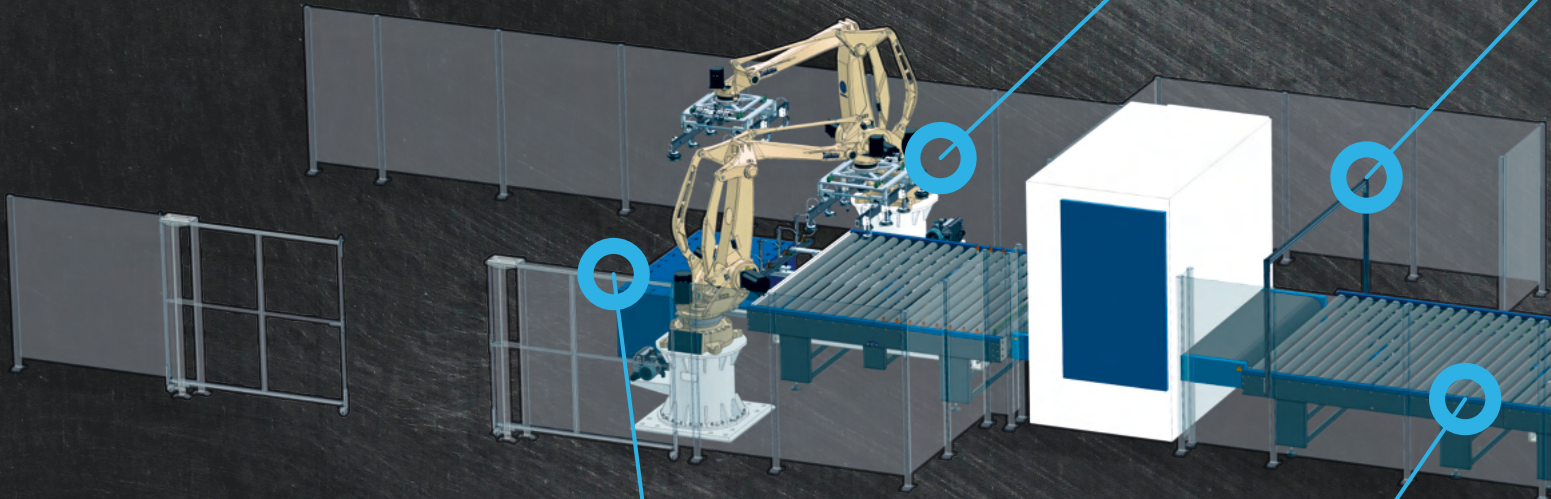


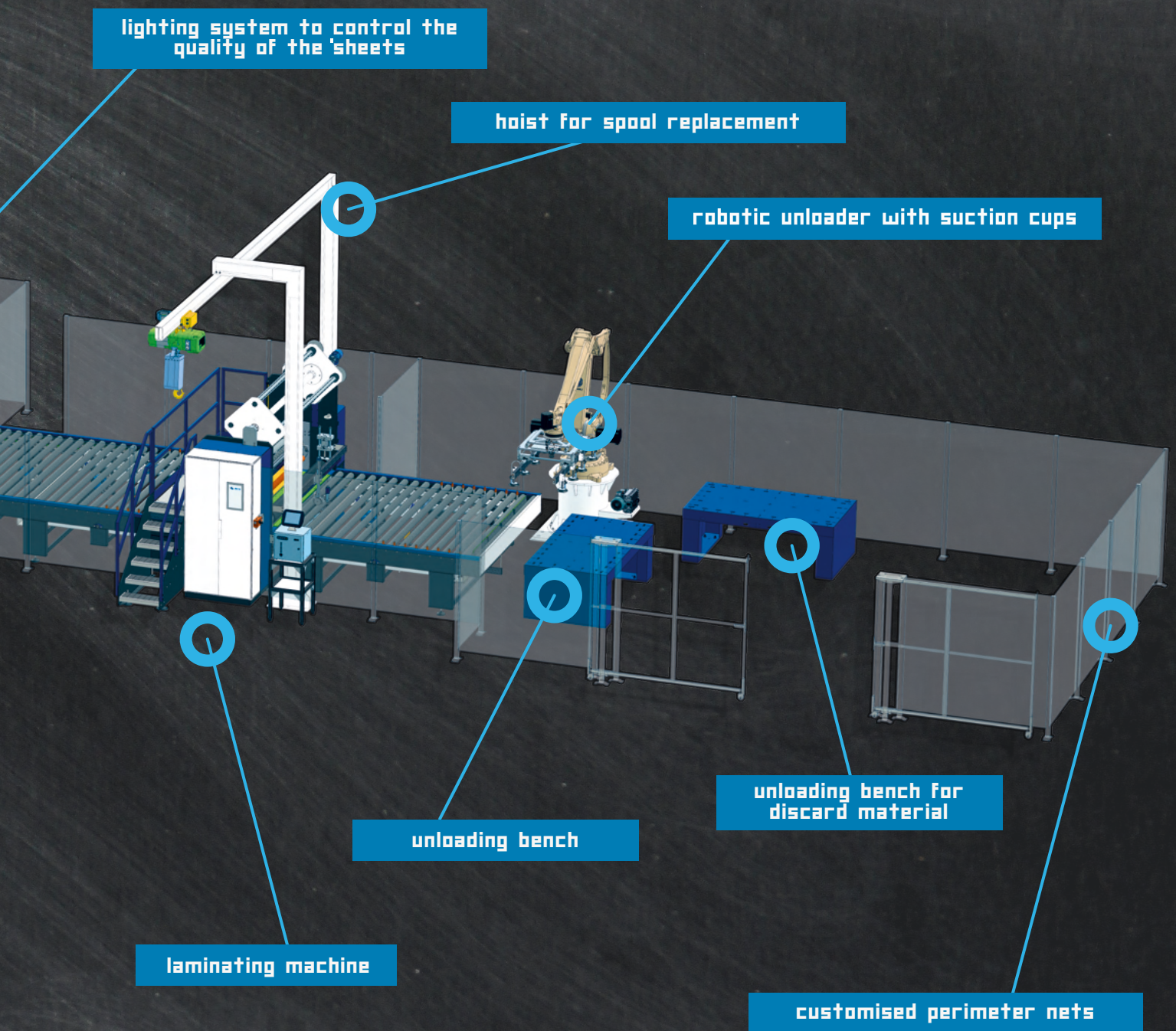
laminating line with robotic loading

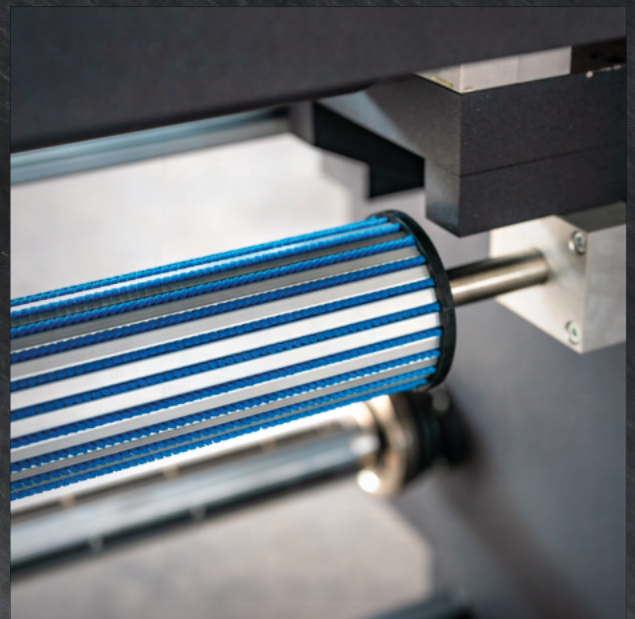
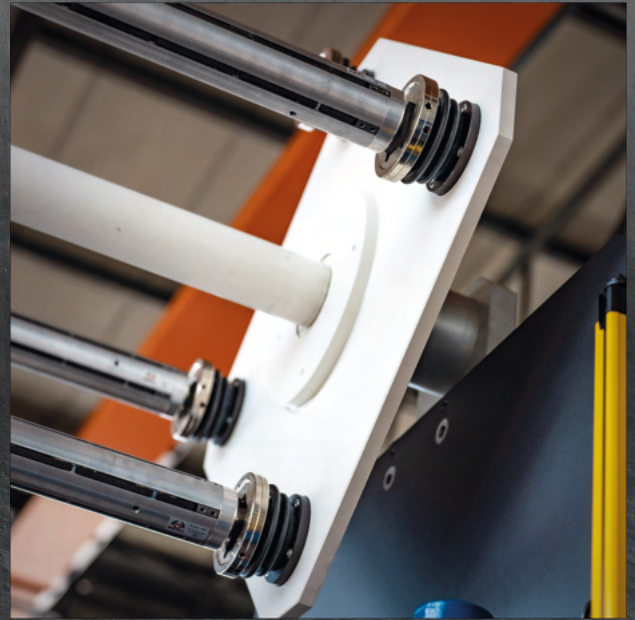
double robotic loader with suction
cups and peeling system

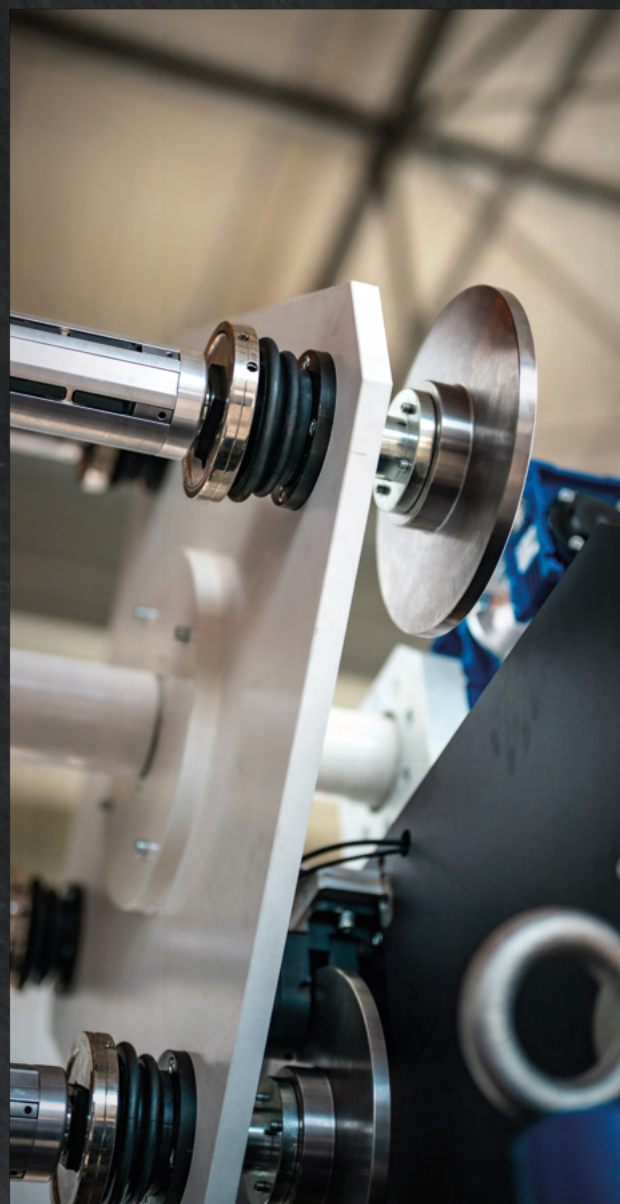
loading bench with paper
blowing system

conveyor and rollers with
centring system











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