

000 Интелмашин

Manufacturer of sandwich panel continuous laminating production lines

<u>Specification of sandwich panel continuous laminating production line</u>

"Basic"

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Sandwich panel production line Advantages



Russian lines are technically superior to other countries manufacturers



Perfectly flat surface
sandwich panels made in
according to Interstate
Standard (GOST)

The possibility to install line on facilities from 1 000 sq.m. and more.

High line output: up to 8 m³/min.

Personal: from 6 labours

Quick return on investment: from 6 months*.

The line is a modular system

Warranty service and lifetime support

Recommended sandwich panel production scheme:







*Standard production line layout

*Customisation of the line by specific requirement

Output products specification:



Panel thickness:

50 to 350 mm



Core:

mineral wool, lamellas, EPS and PIR blocks



Length of panels:

2.5 to 13 m (optionaly longer)



Density mineral wool:

95 -115 kg/m³



Panel width:

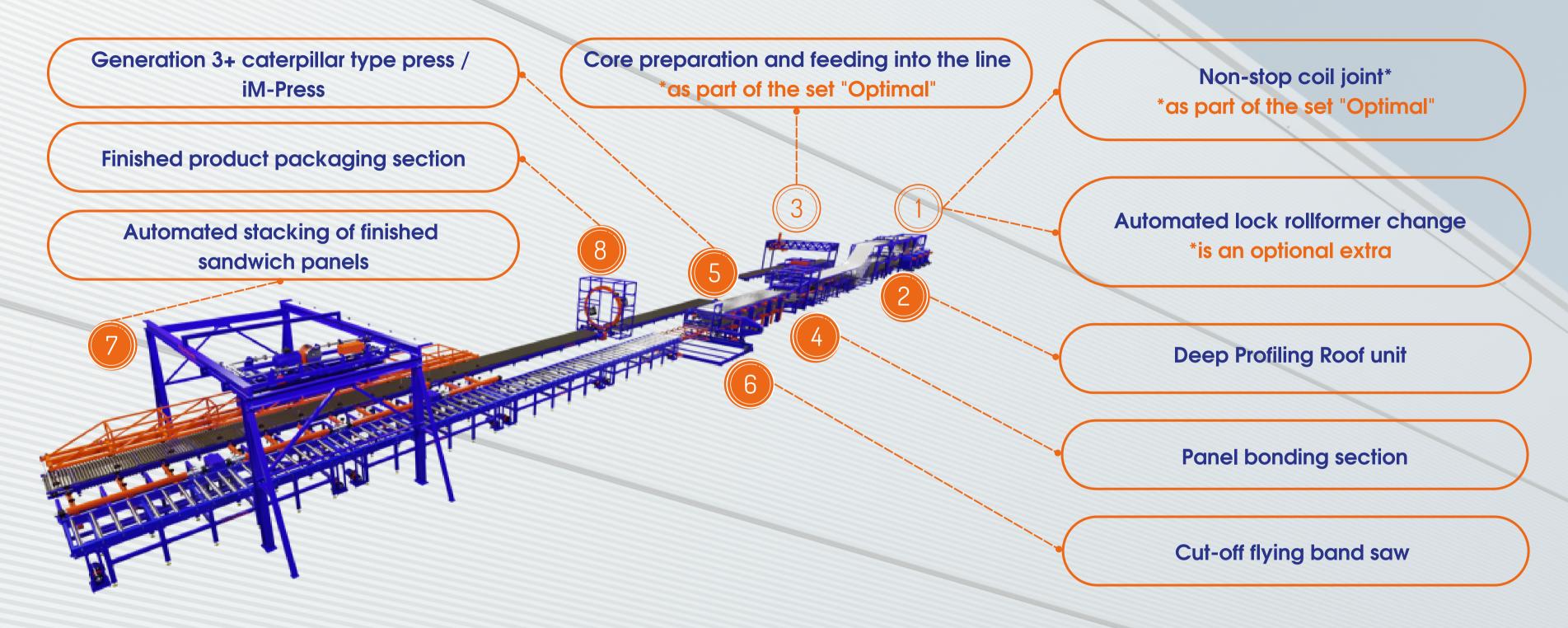
1000-1200 mm (wall panels) 1000 mm (roof)



in acc. to GOST standard 32603-2021



Sandwich panel production line is a modular system



Recombination of modules in a line saves on industrial space

2 Deep Profiling Roof unit



Overall length:

10 M



Forming stands:

22 pcs.



Steel thickness:

0.4 to 0.7 mm





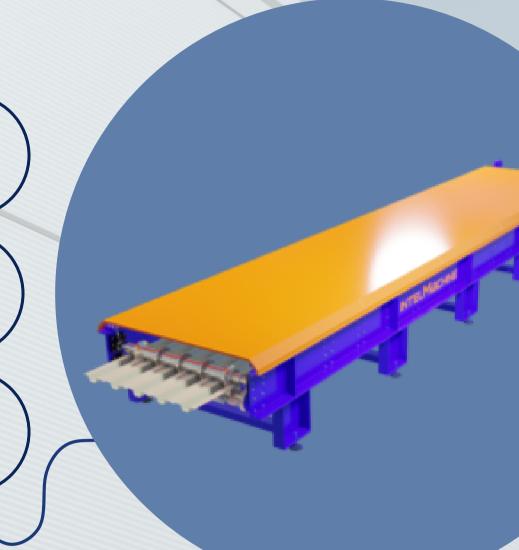
Gap microprofiling



Disc cutoff unit



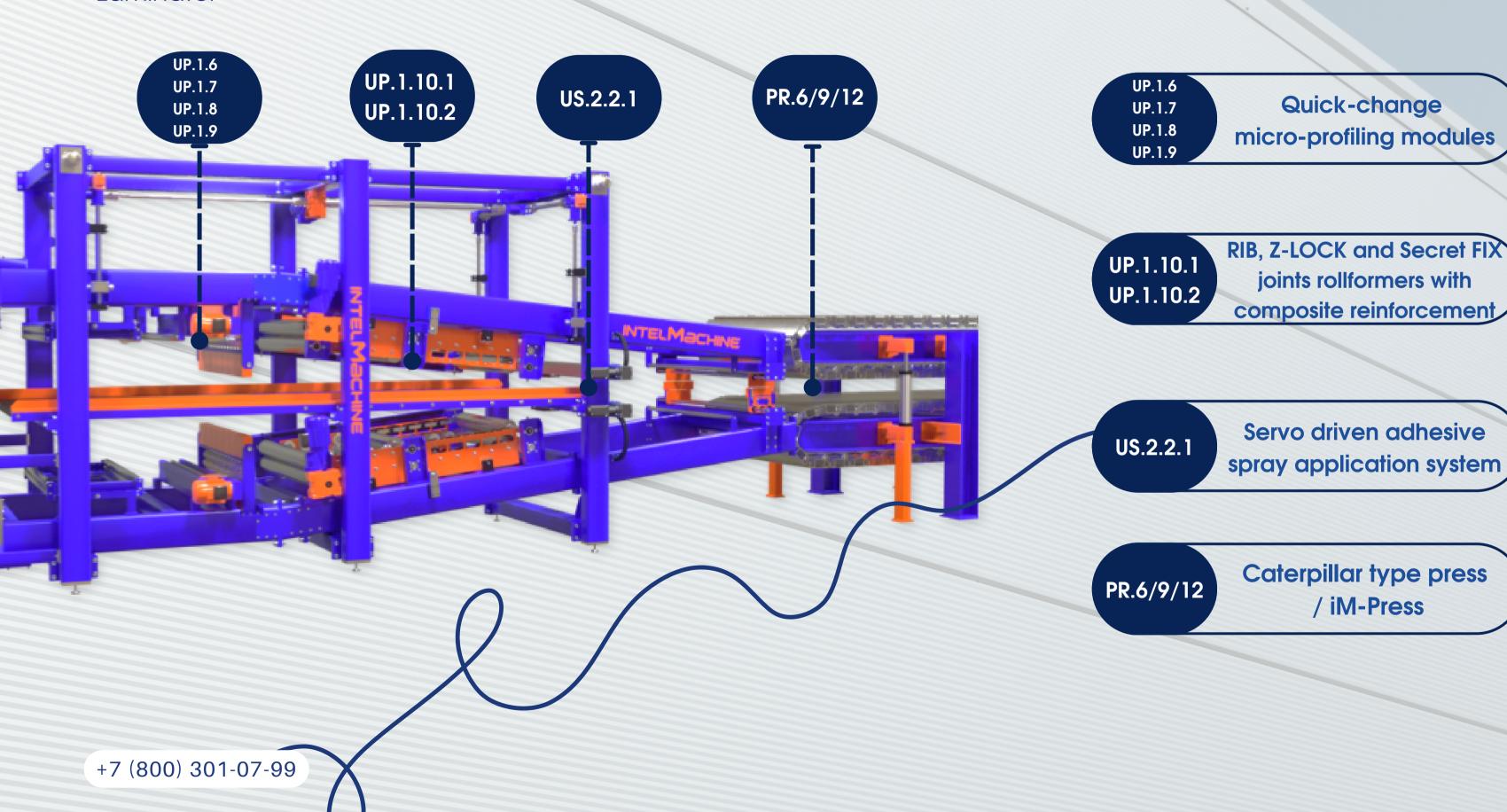
Protection film application



Increased number of stands allows for better and more precisely of roof skin profile

Panel elements assembling and bonding area

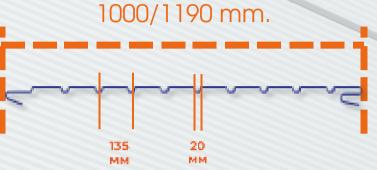
Laminator



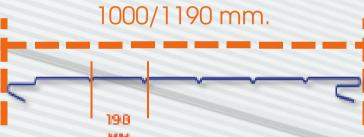
5 off profiling types



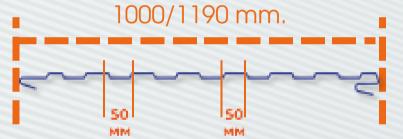
9-rib trapeze Step 135 mm.



5-rib v-pitch 198 mm.

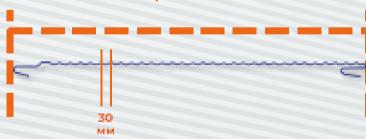


MicroRib-50/50 trapeze



MicroRib-30 mm.





No profiling



Joint types



Significantly increases the speed of installation, increases the fire resistance of the structure, ensures minimum heat loss with proper sealing of joints.

Secret Fix



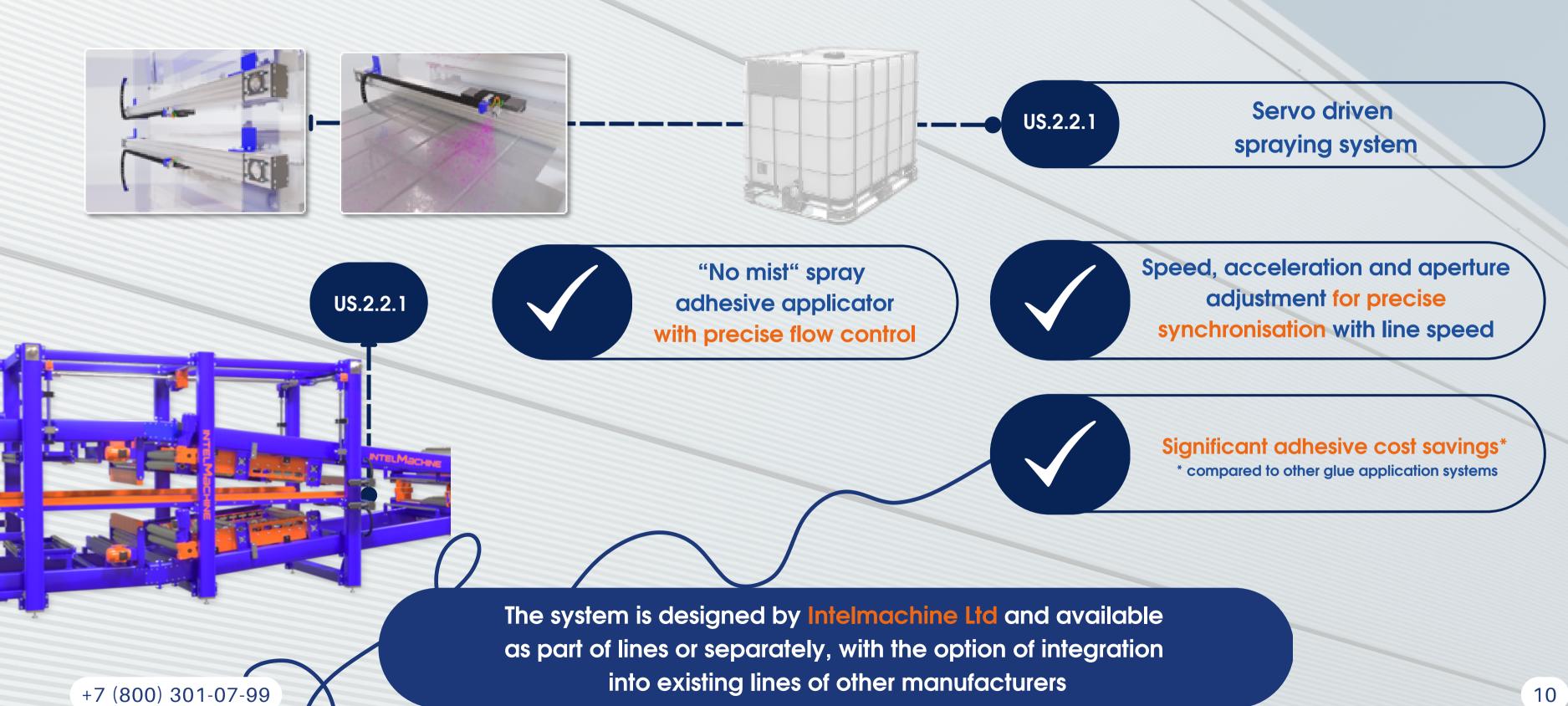
Increases thermal insulation with aesthetics, inferior to the Z-Lock in terms of speed of installation.

Roof lock

The classic design of the roof joint, ensures a reliable sealing of the joints.

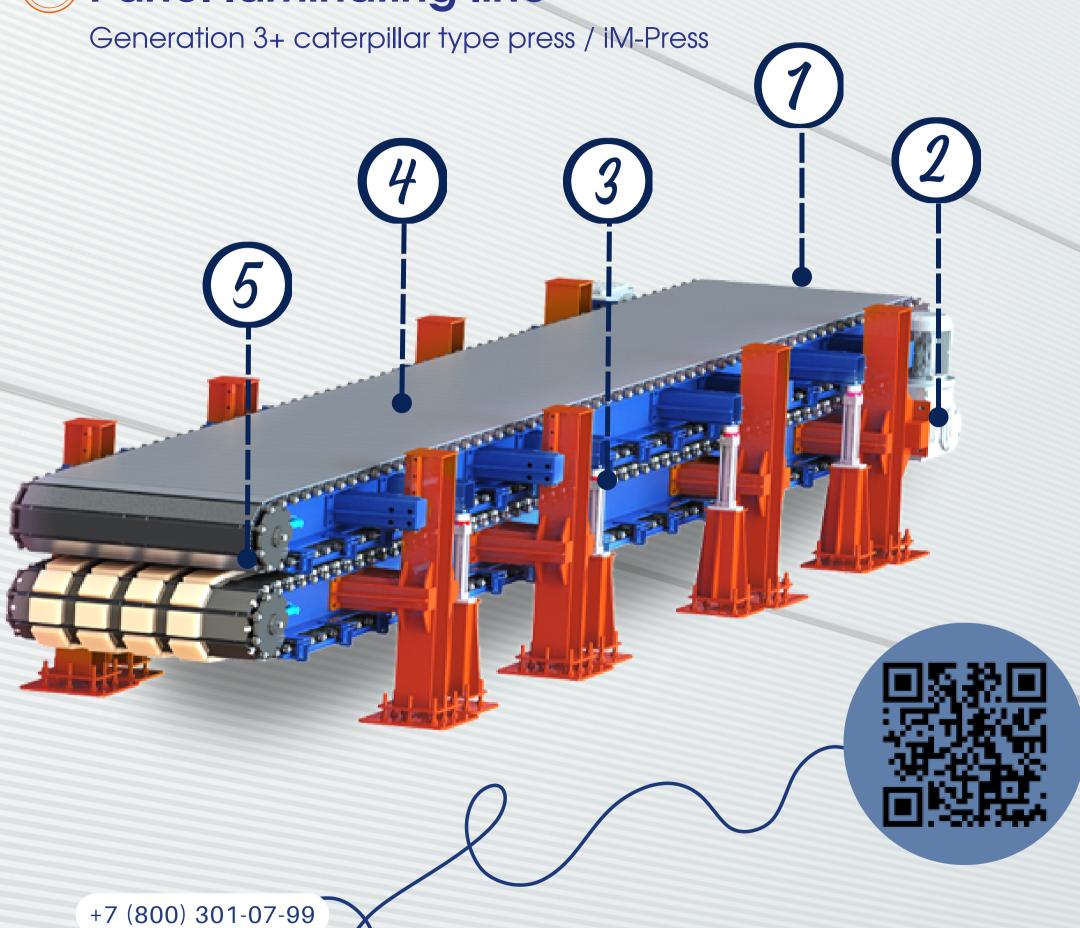
*customised lock design according to customer's drawings

Integrated adhesive application system



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5 Panel laminating line

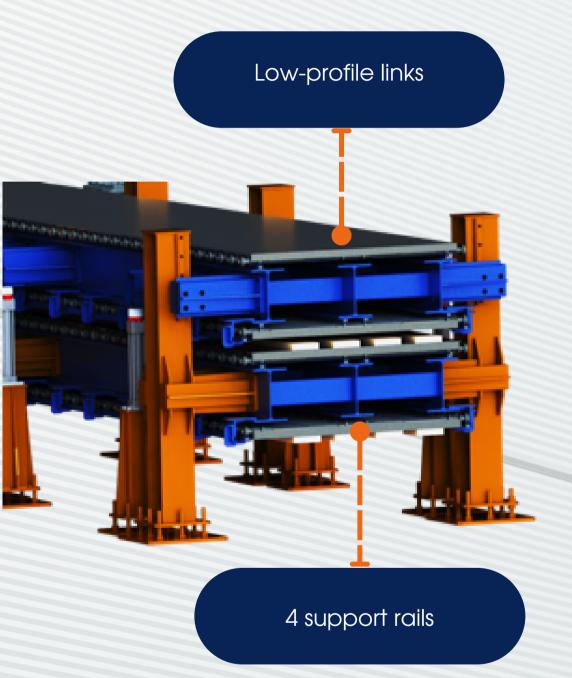


- Infrared heating system with temperature control
- Cylindro-conical
 Gearmotors 5.5 kW x 2 pcs.
- Distributed hydraulic system for open and close the press
- Extruded profile AD31T1 **

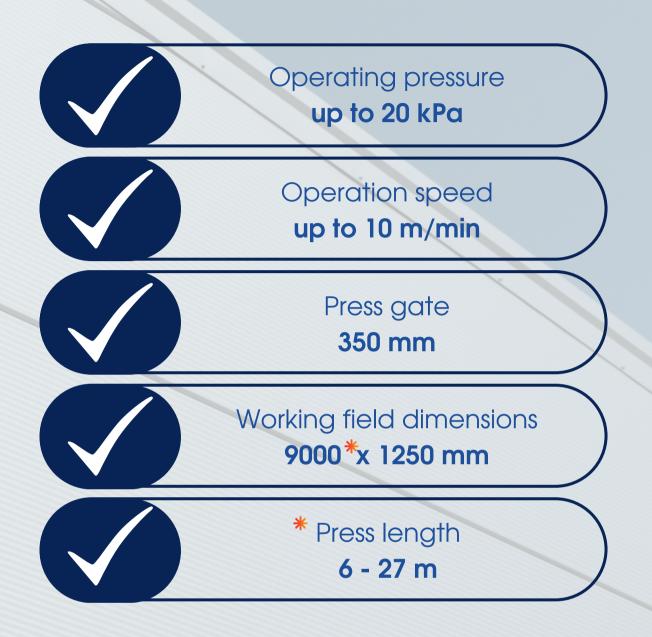
* Original Intelmachine Ltd design

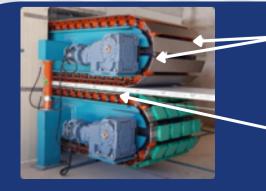
Link connection
"Swivel Loop"

Generation 3+ caterpillar type press / iM-Press









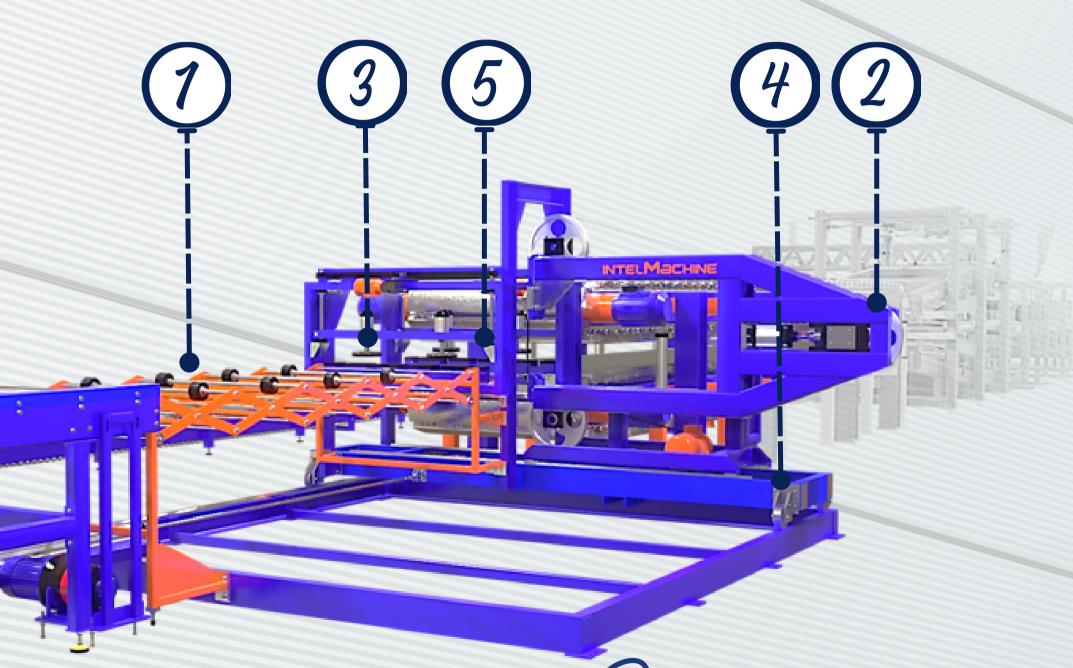
Support on two rail traction chains

Example: photo of a previous generation press

High profile links

The design of the new iM-Press caterpillar press is a particular source of pride for Intelmachine Ltd: we have taken into account and eliminated all the shortcomings of previous generations of presses

6 Cut-off flying band saw

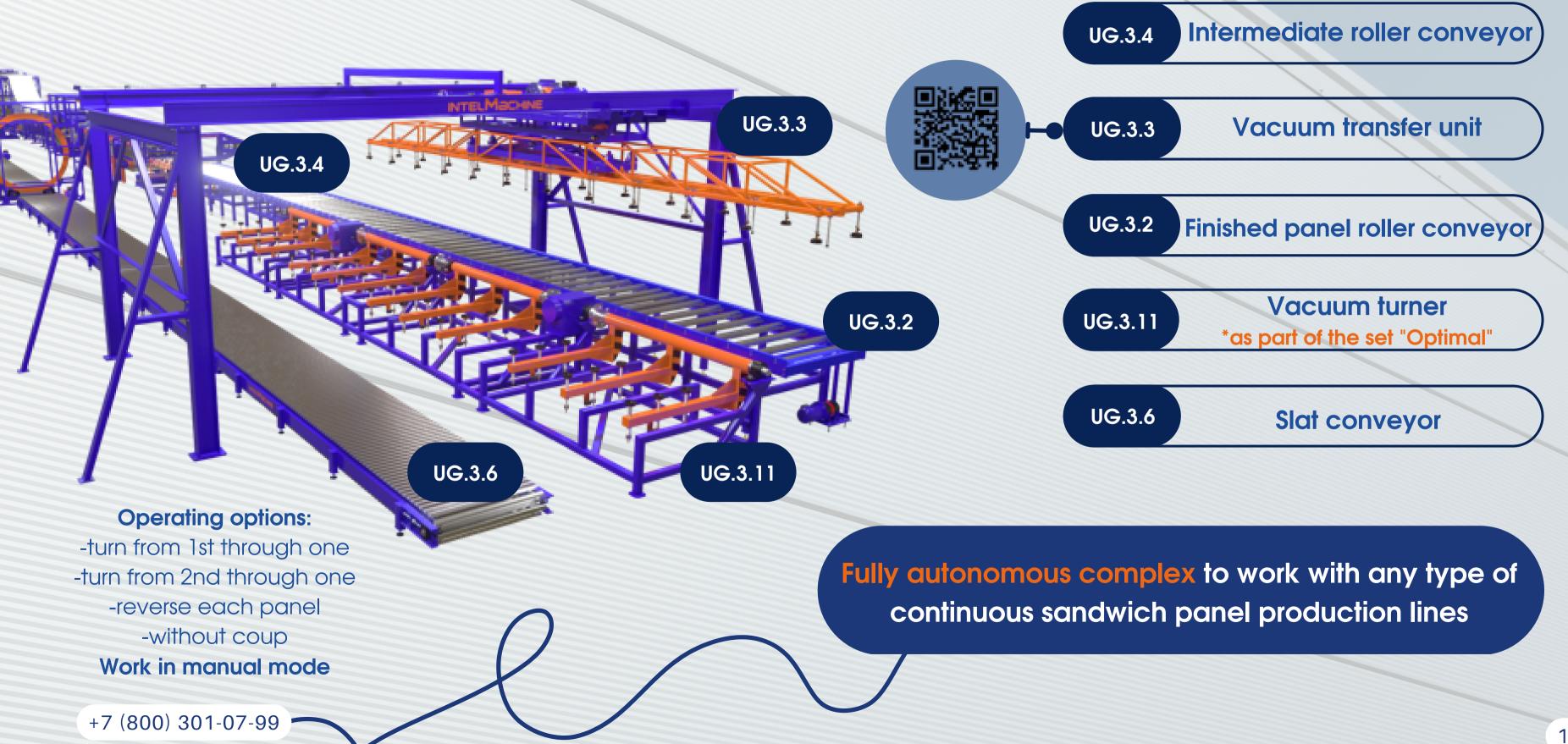


- 7 Sliding roller conveyor
- 2 Bandsaw module
- Pneumatic panel retainer
- 4 Longitudinal offset platform
- Encoder panel length measuring unit

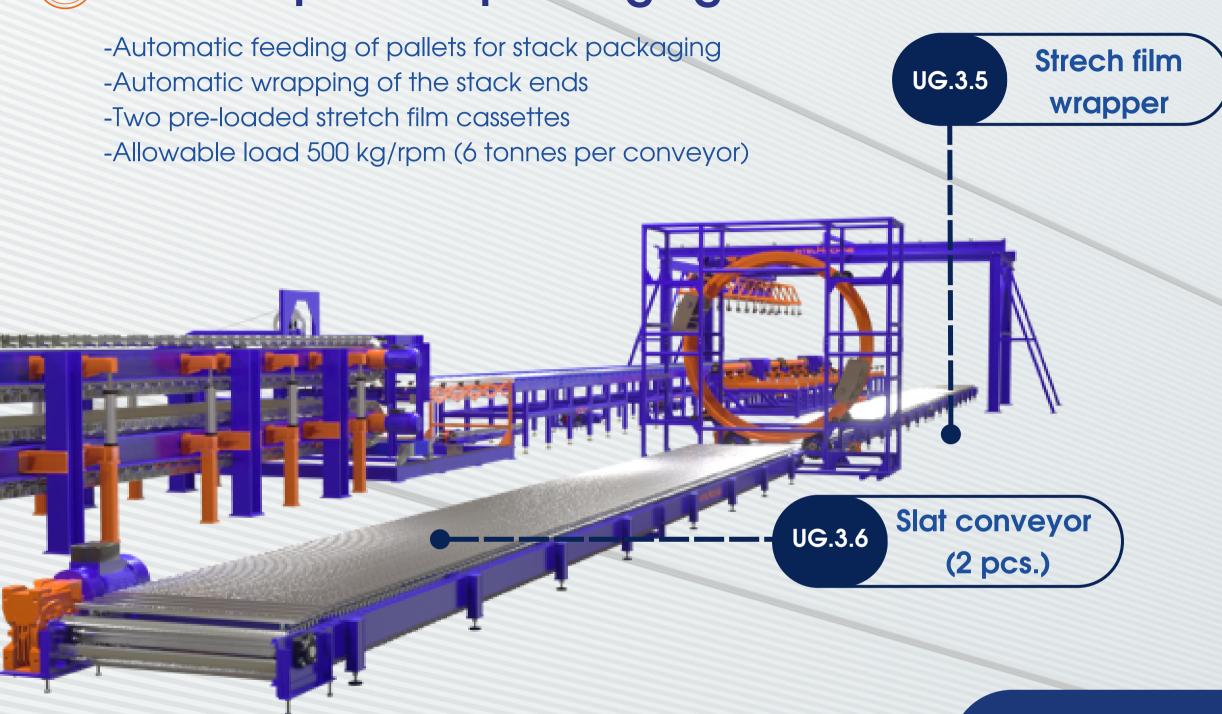
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The settings for the number and length of the panel to be cut are controlled from the central control touchscreen

7 Automated stacking of finished sandwich panels



8 Finished product packaging section



Optional extras:

Front / Rear end

EPS block dispenser

Maximum performance area

capacity: > 12 metres per minute

Delivery terms:

Design and Manufacturing	From 8 months
Installation and commissioning	included
Customer staff training	included
Warranty service	12 months and optionally more
Post-warranty service	Lifetime available
Technical support and service	Lifetime available
Payment terms	60% prepayment, 30% on readiness for shipment, 10% after commissioning
Price	Depends on line spec and equipment configuration (calculated on request)



Payment options:

Standard conditions

Payment upon signing the contract

- -60% of the price of the equipment to be supplied
- -30% upon readiness for shipment
- -10% after commissioning and start-up of the delivered equipment

In accordance with the terms of the main contract



Product name	Quantity
Preparation section	
Hydraulic decoilers with lateral position adjustment 10 tonnes	2
Hydraulically driven undercarriages 10 tonnes	2
The bottom logiform frame	1
The upper logiframe frame	1
Trapeze lamella multyblade disc saw	1
Micro-profiling module 5-Rib (top/bottom set) Microprofiling module 9-Rib (top/bottom set) 50/50 trapezoidal microprofiling module (trapezoidal top/bottom set) Microprofiling module Rib -30 (top/bottom set)	4
Z-lock joint Rollformer (non-driven) top/bottom	1
Deep Profiled Roof module	
Disc Cutoff block]

Set "Basic"

Capacity: up to 40,000 m² / month Number of staff: from 10 labours

Product name	Quantity
Lamellas blending area	
Thickness calibration module	1
Core pushing table	
Roller conveyor loading mineral wool into the saw (idle)	1
Slat receiving roller conveyor (idle)	1
Hand-setting mineral wool mat table	1
Multi-blade disc lamella saw	

Set "Basic"

Capacity: up to 40,000 m² / month Number of staff: from 10 labours



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Product name	Quantity
Bonding and laminating section	
Laminator	1
"No mist" spray adhesive applicator	2
Servo driven spraying system	2
Adhesive components supply station	
Caterpillar type press (9 m) / iM-Press	1
Finished sandwich panel section	
Cut-off flying band saw with encoder	1
Buffer roller conveyor 12 metres	1
Finished panel roller conveyor 12 metres	2
Vacuum stacker	1
Strech film tunnel wrapper	1
Slat conveyor (12 metres)	3
Feeding unit for polystyrene blocks	
Dust extruction unit 10 000 m3/min]

Set "Basic"

Capacity: up to 40,000 m² / month Number of staff: from 10 labours

Product name	Quantity
Control system and installation and commissioning services	
Equipment instrumentation and automation software]
Services	
Supervising installation	
Commissioning work	
Customer staff training	Ī

Set "Basic"

Capacity: up to 40,000 m² / month Number of staff: from 10 labours

*The information provided in the presentation is not a public offer.





We may help expand your production capacity!



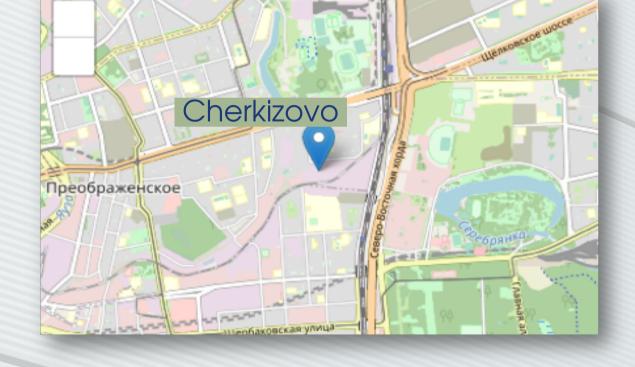




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