

ADVANCED MACHINERY FOR
THE **SANDWICH PANEL** INDUSTRY



DMMET GROUP®



www.dmmetgroup.com



**THE NEW WORLD
LEADER**
IN THE INDUSTRY

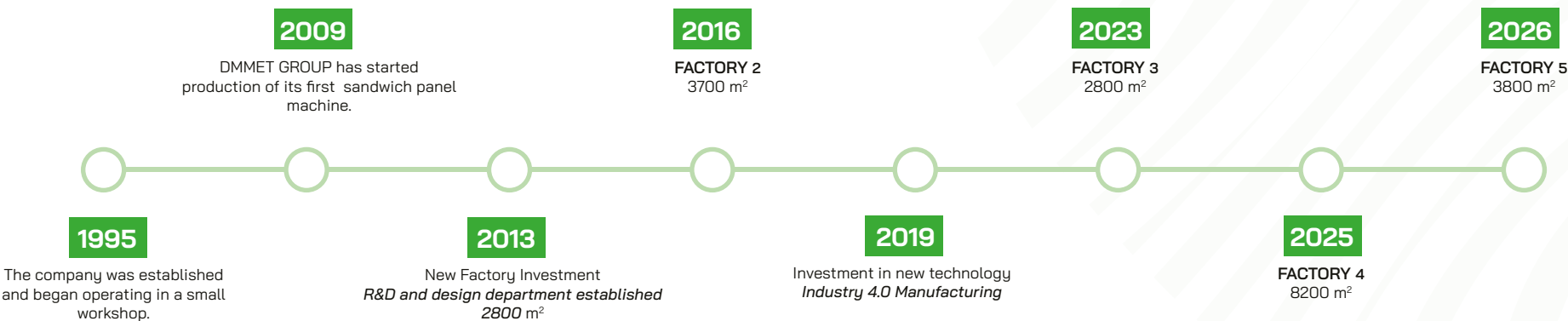
ABOUT US

Dmmet Group began its journey in 1995 with the production of PUR-PIR Sandwich Panel Lines, Trapezoidal Sheet Roll Forming Machines, Slitting Lines, Metal Roof Tile Roll Forming Machines, and today continues to expand its expertise with Polyurethane High-Pressure Dosing Machines. Since our establishment, we have been committed to delivering high-quality machinery and reliable service by working closely with our partners and customers.

Operating on a **20,000 m²** modern production facility, Dmmet Group prioritizes advanced engineering, innovation, and technology in all its manufacturing processes. With a strong focus on continuous improvement, we develop efficient and reliable solutions that meet the evolving needs of the global metal forming and insulation industries.

Today, our machines are exported to more than **90 countries**, reflecting the trust our customers place in our quality and expertise. At Dmmet Group, we build our relationships not only on business but also on trust and long-term partnership, aiming to create sustainable value for our customers, employees, and the industry.

We sincerely thank our customers, employees, and business partners for their continued trust and support.



CUSTOMER CARE



TECHNICAL SUPPORT

In case of any malfunction or error that may occur in the machine that requires intervention, our technical team intervenes as soon as possible. User manuals containing sufficient information about the use of our machines or lines are supplied to the customer.



REMOTE ACCESS

Thanks to Remote Access, our experienced personnel can access the equipment remotely and troubleshoot or diagnose problems. In case of any malfunction or error in the machines, technical support is provided as soon as possible by our equipped personnel via remote access.



INSTALLATION MACHINERY AND PLANT

The installation, commissioning and preparation of our machines and plants, which are completely our own production, are completed at the customer's production facilities by our well-equipped personnel. Necessary trainings on the use of these machines and plants are also provided.



SUPPLY OF SPARE PARTS

Depending on the use of the machine, the equipment that has completed its useful life over time is always provided by our company as spare parts.

APPLICATION AREAS

CONSTRUCTION

It can be used as roof and wall materials especially in buildings. It can provide insulation very successfully in terms of heat, sound and water. These materials, which also have a certain amount of load-lifting resistance, are highly resistant to impacts.



PIPE INSULATION

They are polyurethane systems used in the insulation of pipes in the transfer of district heating-cooling, underground and aboveground steam transfers, geothermal energy, liquefied gases (LNG, LPG, etc.), fire lines, crude oil and all chemical flows.

REFRIGERATION

These are polyurethane systems consisting of polyol and isocyanate used for heat insulation in refrigerators. Commercial type deep freezer, mini bar and soft drink cabinets etc. products are polyurethane systems used for insulation purposes.



AUTOMOTIVE

It has high tear strength and soft cell structure; It can be applied in different densities and hardness in automotive, office furniture and medical sectors. Its usage areas are in the production of office chair armrests, automobile steering wheel, door handles, seating groups in the automotive and construction machinery sector and similar applications. It can be applied on vacuum leather as well as with polyester or aluminum molds.

FURNISHING

Sponge systems can be used with all kinds of molds thanks to their high fluidity during application. They are polyurethane systems, which are generally used in the furniture and wood industry, which provide the advantage of using decoratively.



TECHNICAL ITEMS

These types of polyurethane used in the production of technical items are a type of polymer that is famous for its high elongation and tensile strength, resistance to oils, solvents, chemicals and abrasions. Thanks to these characteristic features, it has a wide market and application area.

PU - PIR SANDWICH PANEL PRODUCTION LINE

FLOW CHART

- 1

Upper Uncoiler
- 2

Lower Uncoiler
- 3

Panel Upper Roll Forming Machines
- 4

Panel Lower Roll Forming Machines
- 5

Rolling Conveyor
- 6

Foaming Machine

7

Double Belt Pressing Machine

8

Auto Fly Cutting to Length

9

High Speed Panel Exit Conveyors

10

Automatic Lateral Panel Cooling System

11

Automatic Panel Turning and Stacking System

12

Automatic Stretch Wrapping System

** ESTIMATED PRODUCTION CAPACITY
(Efficiency 80% - Panel width 1.000 mm)

Panel Thickness	Line Speed (m/min)	Production (m/shift)
40	12,0	4,320
60	8,0	2.880
80	7,0	2.520
100	6,0	1.800

**Standard components
PLC and Operator Panels : SIEMENS
3-phase electric motors : ABB - GAMAK
Inverter : ABB - SIEMENS
Contactors, relays : SIEMENS, Allen Bradley
Selector switches, Lamps, push-buttons : SIEMENS
Pneumatic components: Festo - Winman

The above listed Production capacities refers to ideal working constructions with theoretical standard chemicals and can be subject to modification according to the raw material overal quality, the chosen chemical system, the foam density, the dosing machine pumps flow rate and the maintenance status of the plant. Production capacity calculated considering 7.5 h/shift

APPLICATION of the PU-PIR PANEL PRODUCTION LINE

This production line is suitable for manufacturing socket type (wall plate panel) and lapped type (roof tile panel) pu sandwich panels.



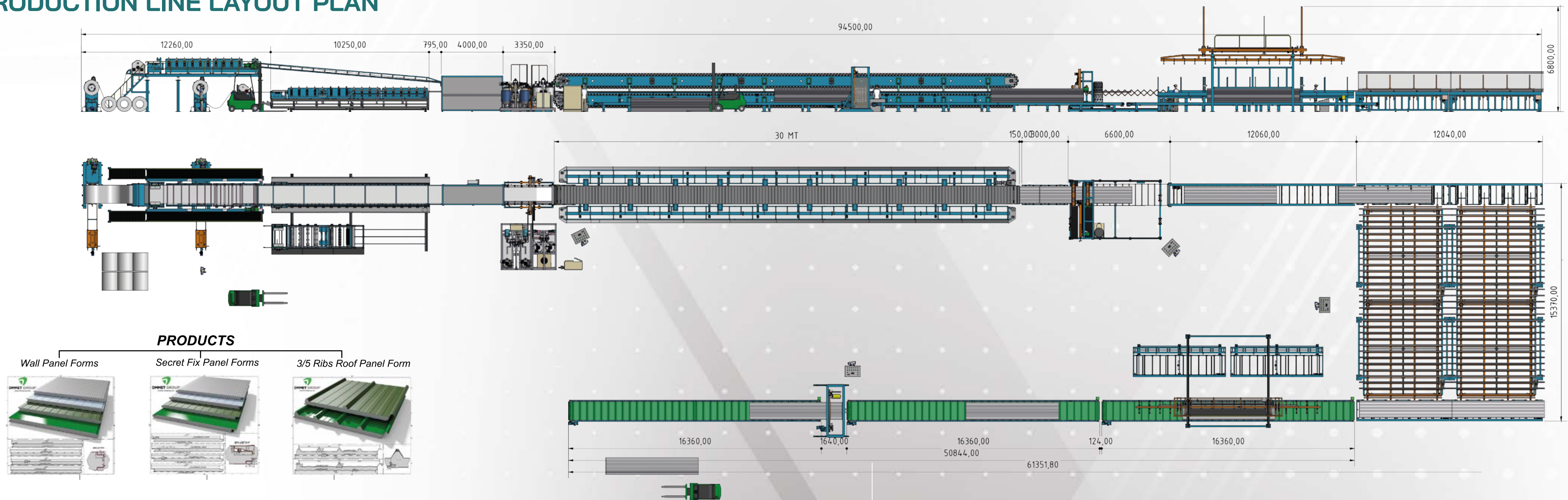
PU-PIR SANDWICH PANEL PRODUCTION LINE

Our contionuous PUR / PIR sandwich panel production line is already recognized its value by export- ing to European country with CE and other major sandwich panel producing companies at domestic and foreign, DMMET, we are keep to develop in accordance with customer's needs for the high quality sandwich panels.

MODEL	Press Lenght	Min-Max Wall Panel Thickness	Min-Max Roof Panel Thickness	Max Production Speed
DMMET 18	18 meter	40 mm - 150 mm	40 mm - 120 mm	8 m / min
DMMET 24	24 meter	40 mm - 180 mm	40 mm - 150 mm	10 m / min
DMMET 30	30 meter	40 mm - 200 mm	40 mm - 200 mm	12 m / min

Type of Production	Sandwich panels insulated with PU and PIR foam		
Type of Instutaion	Polyurethane		
	Rigid PUR blend - class B2/B3	Foam density	38 ÷ 45 kg/m³
RIGID Facing Materials	Metarial		Thickness (mm)
	Pre-painted and galvanized steel, pre-coated steel with PVC		0,35 ÷ 0,80

PU - PIR SANDWICH PANEL PRODUCTION LINE LAYOUT PLAN



PU - PIR SANDWICH PANEL PRODUCTION LINE



Dmmet Group has over 25 years of experience in designing, manufacturing, and installing complete automatic systems for the production of PU-PIR Sandwich Panels. With more than 280 employees, we are a leading provider in Eastern Europe and the Middle East, offering full sales and after-sales services. We continuously integrate the latest technologies, advance the industry with innovative designs and products, and take pride in being a model for other manufacturers.



MW PU - PIR SANDWICH PANEL PRODUCTION LINE

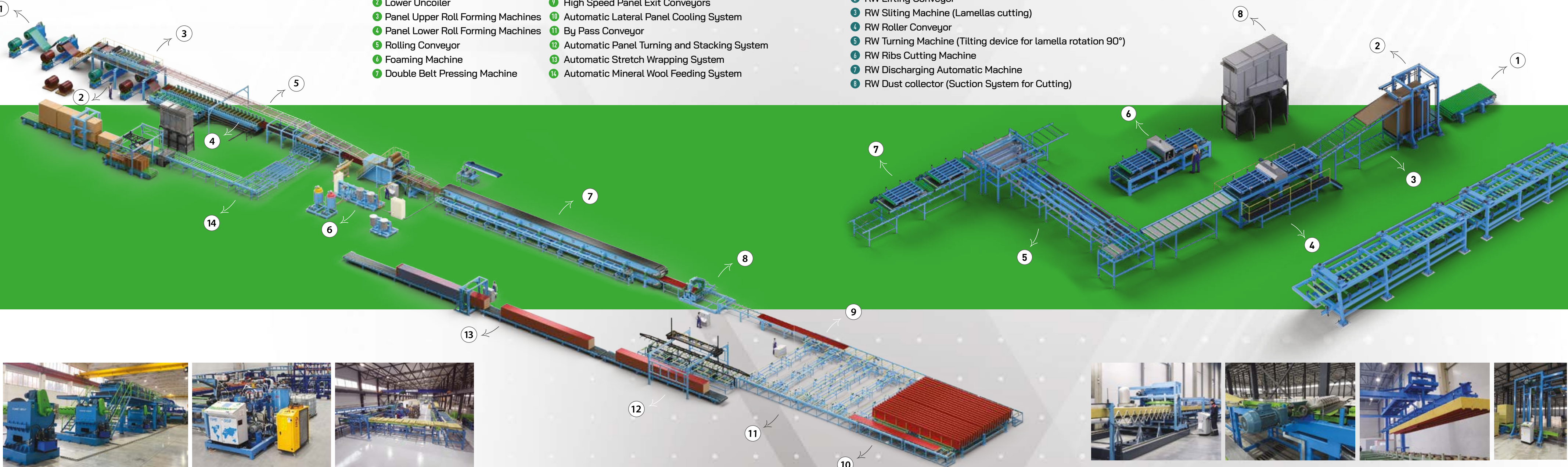
FLOW CHART

- 1 Upper Uncoiler
- 2 Lower Uncoiler
- 3 Panel Upper Roll Forming Machines
- 4 Panel Lower Roll Forming Machines
- 5 Rolling Conveyor
- 6 Foaming Machine
- 7 Double Belt Pressing Machine
- 8 Auto Fly Cutting to Length
- 9 High Speed Panel Exit Conveyors
- 10 Automatic Lateral Panel Cooling System
- 11 By Pass Conveyor
- 12 Automatic Panel Turning and Stacking System
- 13 Automatic Stretch Wrapping System
- 14 Automatic Mineral Wool Feeding System

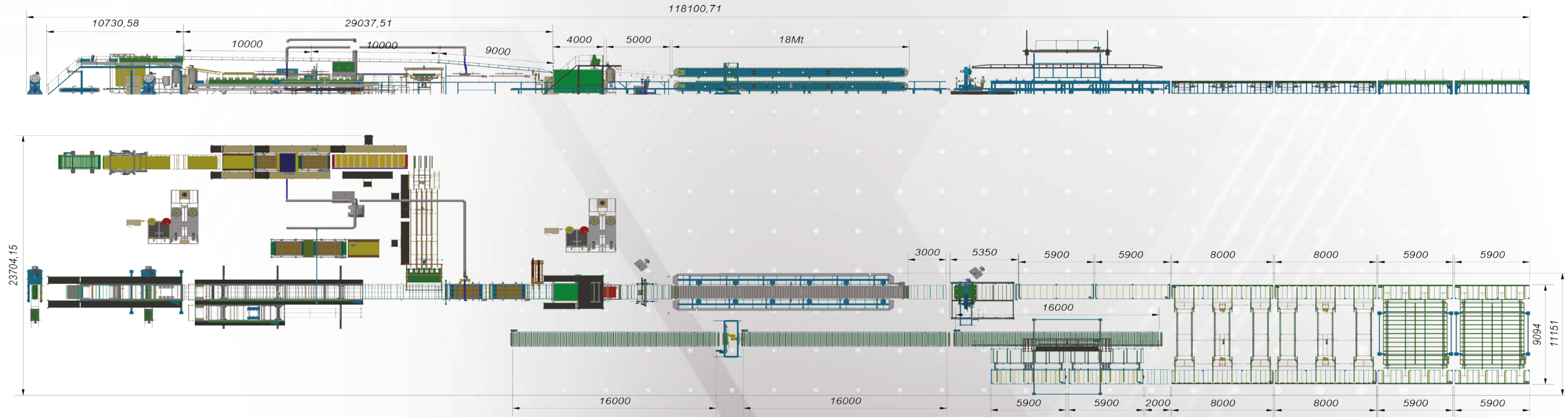
FLOW CHART

- 1 Inserting RW Feeding Conveyor (Unloading slat conveyors for stack of pallets)
- 2 RW Lifting Conveyor
- 3 RW Slitting Machine (Lamellas cutting)
- 4 RW Roller Conveyor
- 5 RW Turning Machine (Tilting device for lamella rotation 90°)
- 6 RW Ribs Cutting Machine
- 7 RW Discharging Automatic Machine
- 8 RW Dust collector (Suction System for Cutting)

AUTOMATIC MINERAL WOOL FEEDING SYSTEM

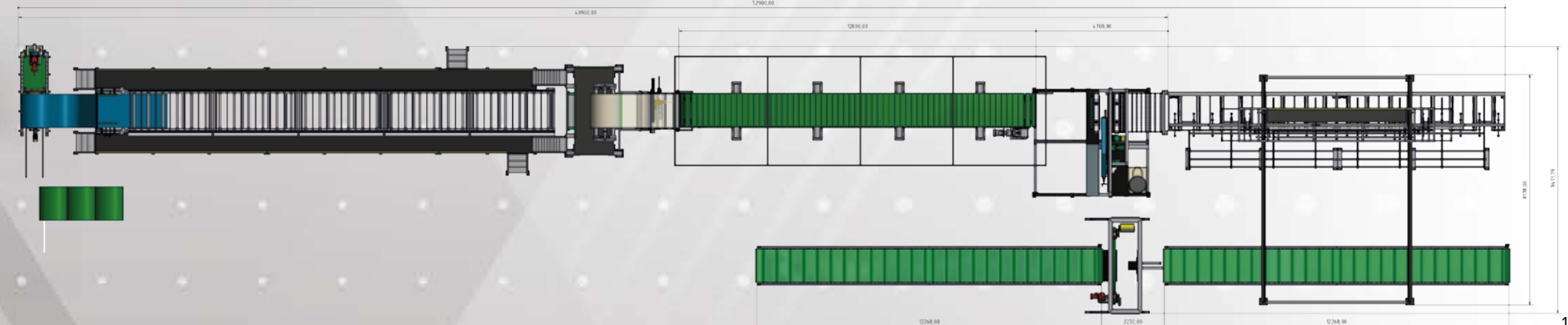
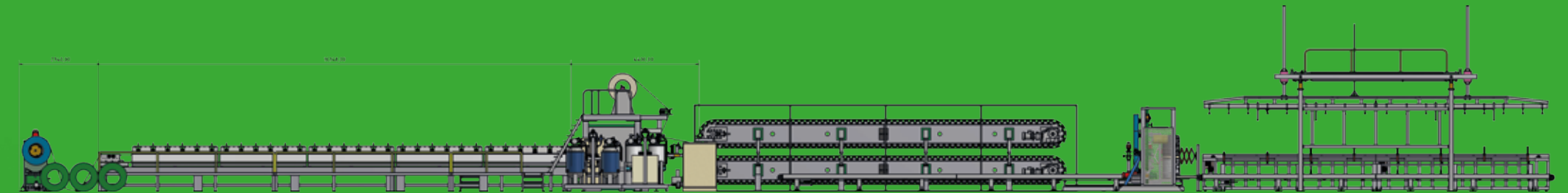
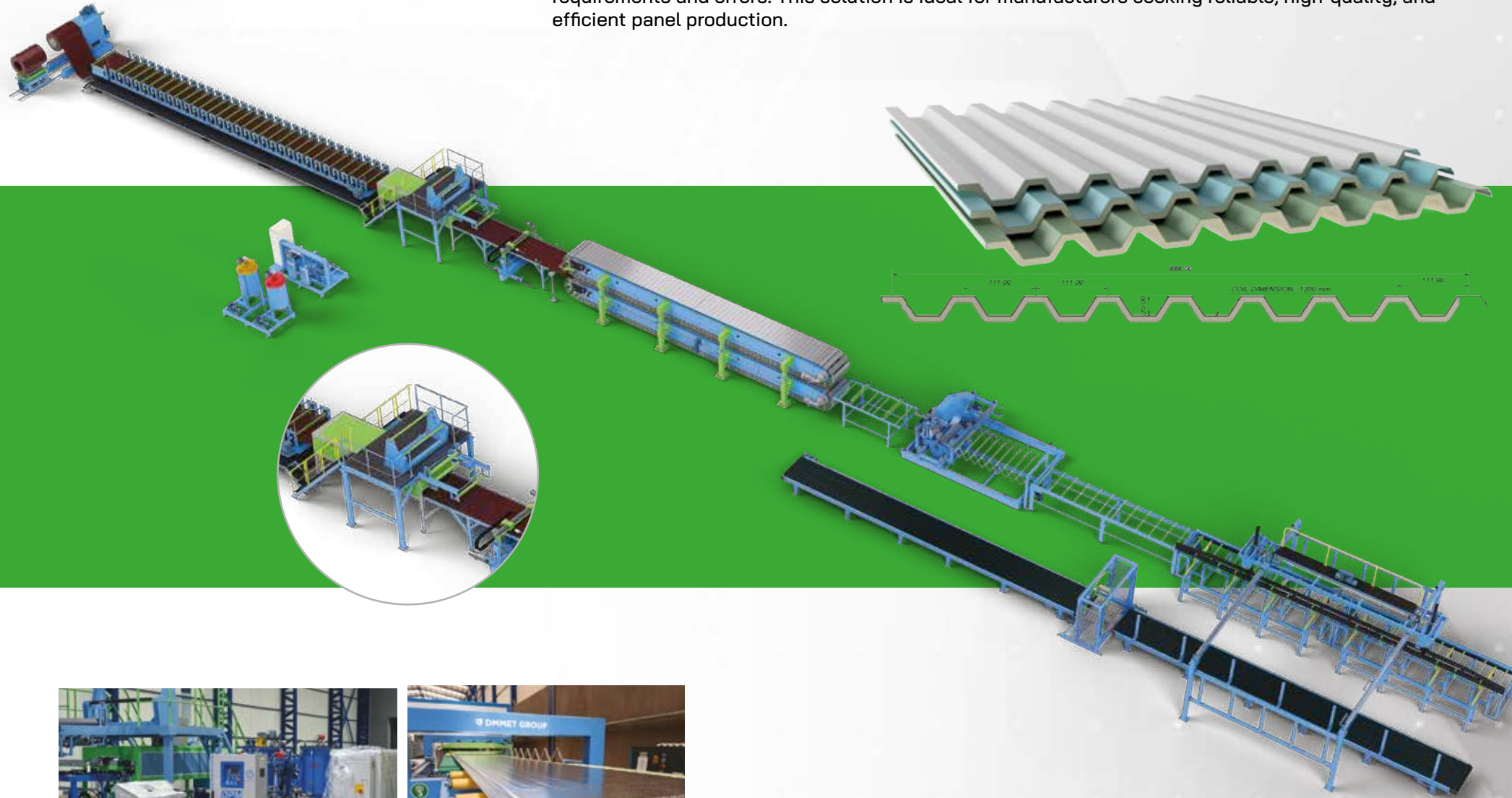


MW PU - PIR SANDWICH PANEL PRODUCTION LINE LAYOUT PLAN



SINGLE ROOF PANEL PRODUCTION LINE

A Single Panel Production Line is an automated system designed to produce single-layer panels efficiently and with consistent quality. It integrates material feeding, forming, cutting, and stacking processes in one continuous production flow. Advanced control systems ensure precise panel dimensions and smooth surface quality. Automation increases production speed while reducing labor requirements and errors. This solution is ideal for manufacturers seeking reliable, high-quality, and efficient panel production.



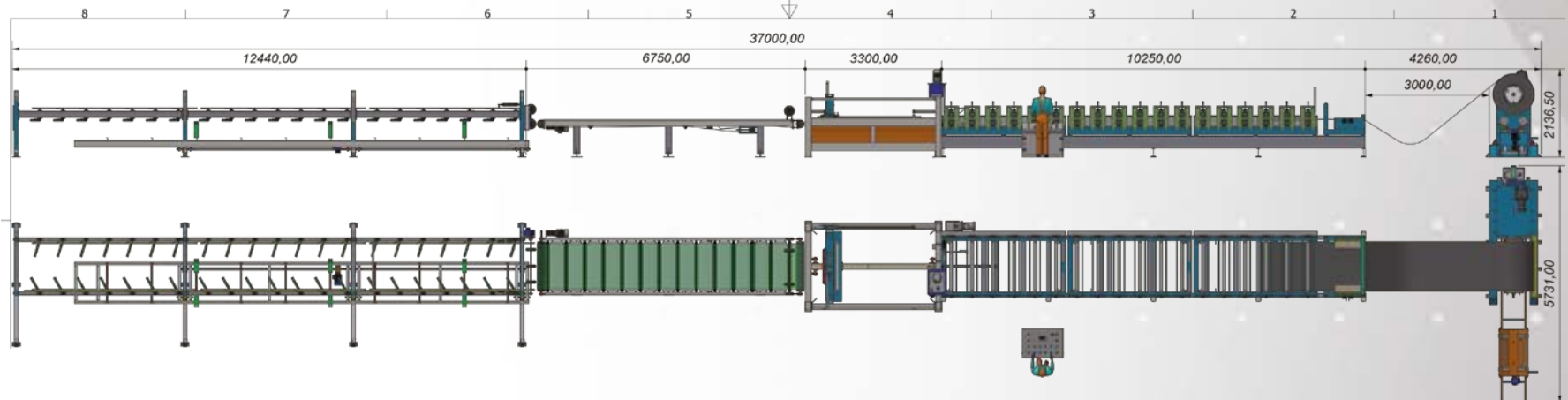
TRAPEZOIDAL SHEET ROLL FORMING MACHINE

DMMET produces efficient and flexible production lines for trapezoidal and corrugated profiles. These solutions are available as multi-deck lines as well as quick-change cassette lines. In addition, DMMET also offers roll forming machines designed for single-profile production.



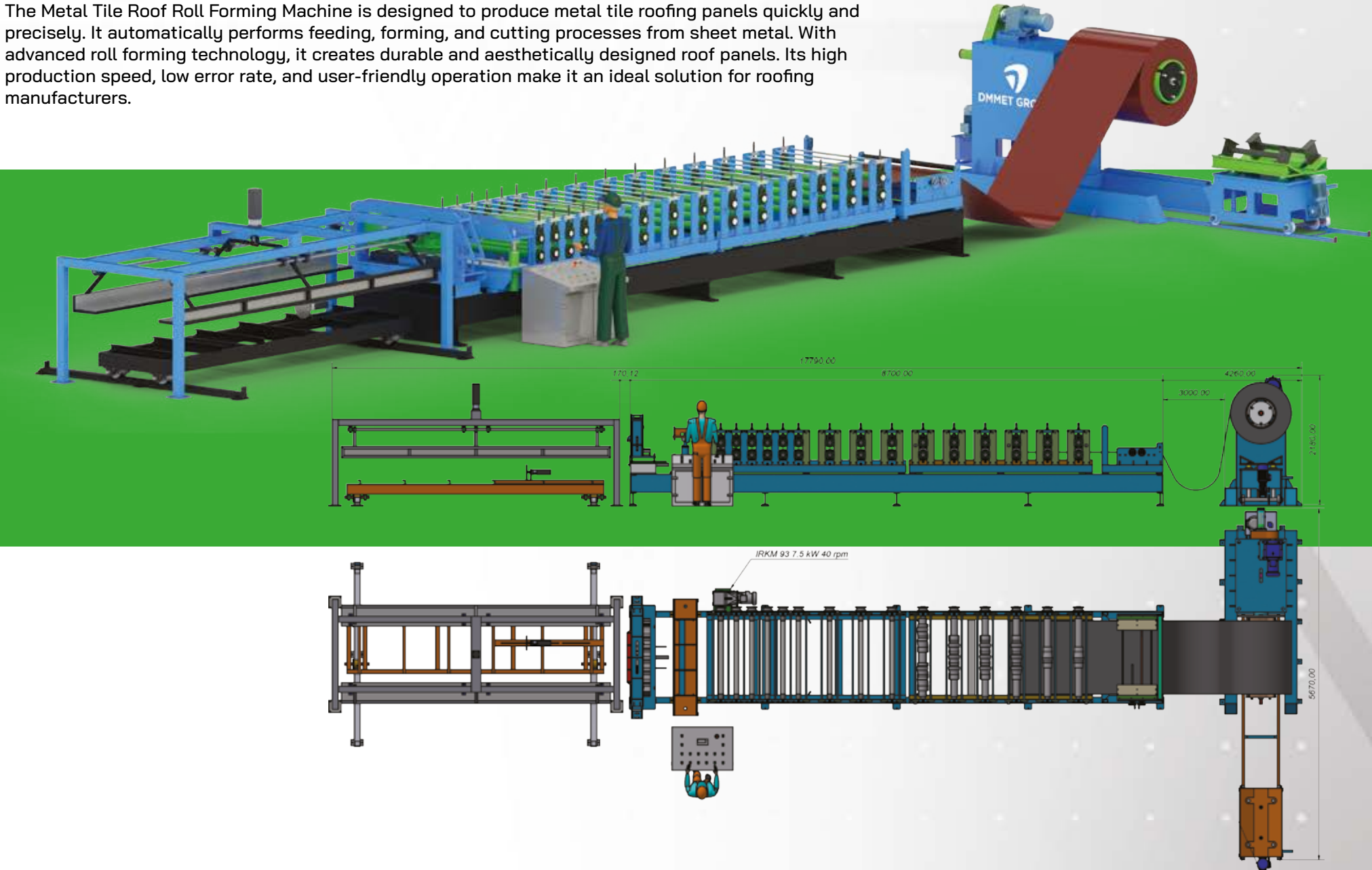
TRAPEZOIDAL SHEET ROLLFORMING MACHINE PROPERTIES

Coil Metarial	Coil	Color Steel, Galvanised
	Coil Thickless	0,3 - 0,8 mm
	Coil Width	1000 - 1200 - 1250 mm, Customized
	Yield Strenth	250 - 350 Mpa
Uncoiler and Coil Car	Decoiller Type	Manual or hydraulic or automatic type
	Weight Capacity	10T,
Main Roll Forming	Forming Station	18 forming stations, depend on profiles
	Roller Material	High grade 45# steel, surface with hard chrome 0.05 mm
	Shaft Diameter	86 mm
	Drive Type	Chain Drive
	Forming Speed	0-25 m/min
	Main Power	7.5 KW
FLY Cutting Device	Cutting Type	Hydraulic cutting
	Cutting Die Material	SW 2375 steel, HRC58-62
	Cutting Tolerance	+/- 1mm (10m)
Electrical System	PLC Brand	Siemens S7 brand
	Inverter Brand	ABB
	Encoder	Omron
	Touch Screen	Siemens
Hydraulic System	Hydraulic Station	Bosch Rexroth
	Hydraulic Power	4KW
Auto Stacker Max 12000 mm	Table Type	Pnuematic System
	Function of Table	To support the profile sheets after cutting



METAL TILE ROOF ROLL FORMING MACHINE

The Metal Tile Roof Roll Forming Machine is designed to produce metal tile roofing panels quickly and precisely. It automatically performs feeding, forming, and cutting processes from sheet metal. With advanced roll forming technology, it creates durable and aesthetically designed roof panels. Its high production speed, low error rate, and user-friendly operation make it an ideal solution for roofing manufacturers.



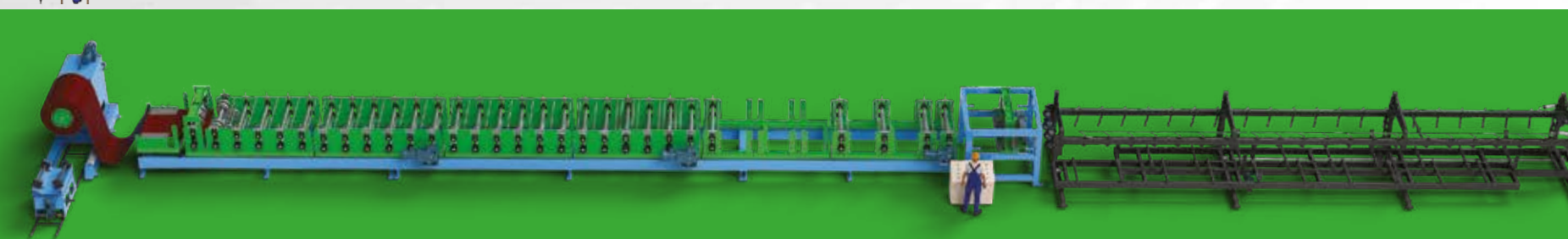
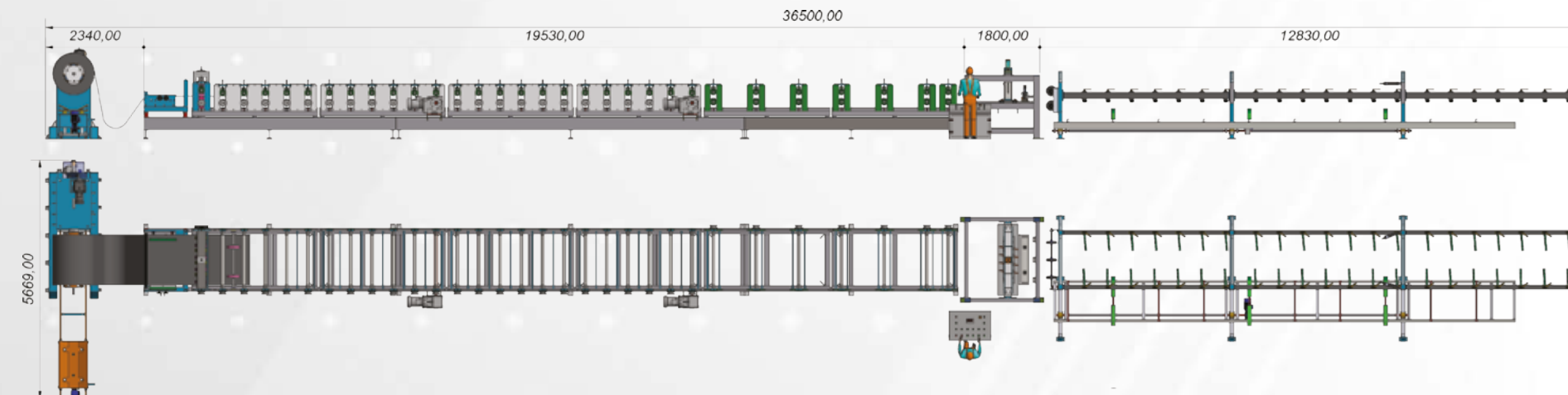
METAL TILE ROOF ROLLFORMING MACHINE PROPERTIES

Material Thickness	0.3 - 0.8mm
Material Width	Depend on Profile
Uncoiler	Manuel Passive Uncoiler (Customer can choose hydraulic decoiler)
Weight Capacity of Uncoiler	10 Ton
Forming Station	18 forming stations, depend on profiles
Drive of Metal Roof Tile Roll Frm. Mac.	Chain Drive
Main Forming Power	5.5 KW
Hydraulic Power	4 KW
Roller Material	High grade 45# steel, surface with hard chrome 0.05 mm
Principal Axis Diameter	86mm (Dpend on Profile)
PLC of Metal Tile Roll Forming Mac.	Siemens
Cutting Blade Material	SW 2375 steel, HRC58-62
Auto Stacker Unit	Pnuematic System



METAL STEEL FLOOR DECK ROLLFORM MACHINE

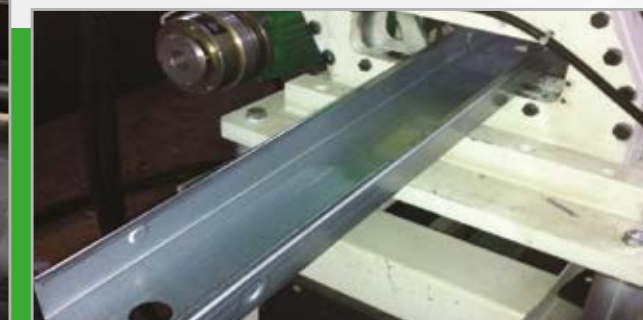
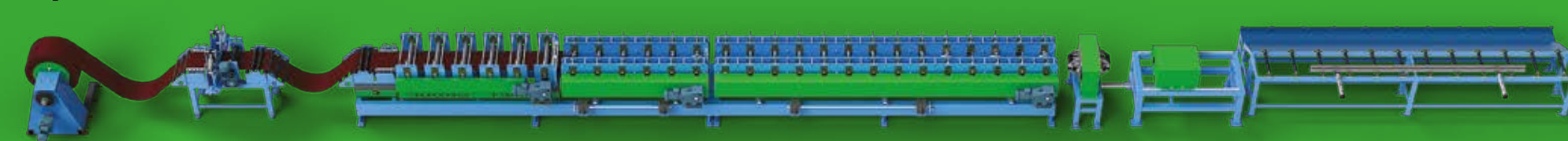
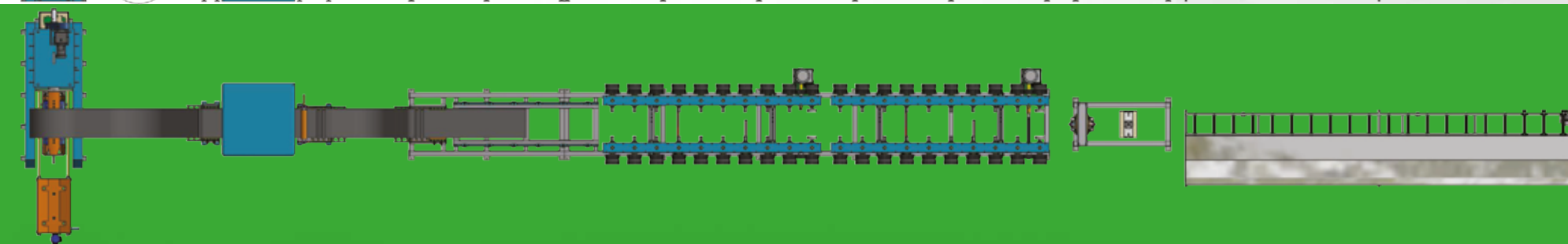
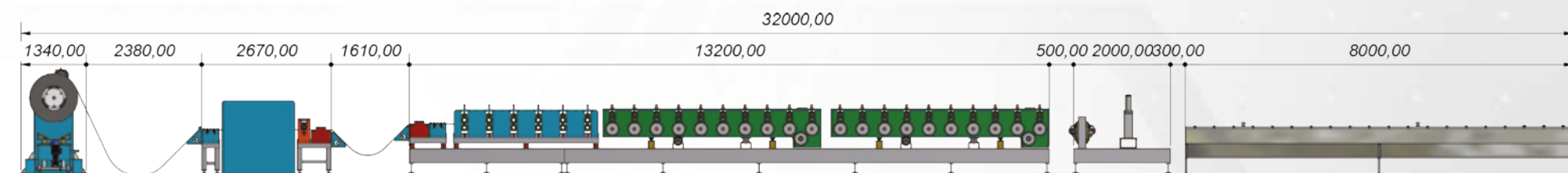
The normal machinable thickness range of our steel deck roll forming machine is 0.8-1.2mm, the standard or more used in international market is Gauge 22, 20, 18, 16 (0.75-1.5mm), working raw material is PPGL, Galvanized steel etc. We confirm machine's configuration according to your drawing, specially the pitch and height of each wave. Dmmet Group is always your best choice of metal deck roll forming machine.



FLEXIBLE U-C SIGMA PROFILE PURLIN MACHINE

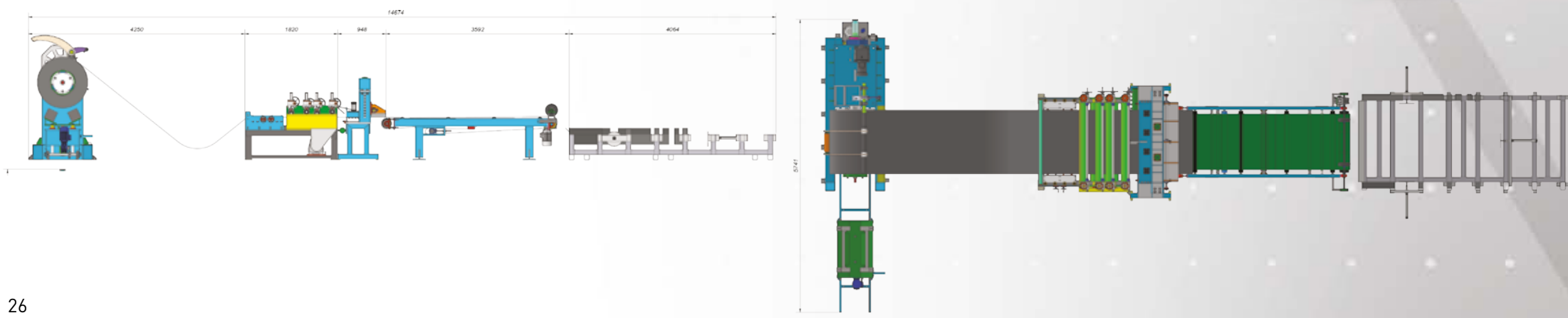
Pre-Punching and Pre-Cutting Purline Roll Forming Machine

Flexible production line for prefabricated C and U members for wall, truss and floor framing. Wall, truss and floor frames for prefabricated buildings like: residential houses and villas, office buildings, social premises, module containers, façade elements, etc. Members produced with all the needed perforations (sheet working) like joint details, screw holes, through holes, openings ...



CUT TO LENGTH LINE

The lines are equipped for such processes as trimming, recoiling, precision leveling, and cutting-to-length. DMMET manufactures cut-to-length lines for steel, stainless steel, aluminum, and all types of non-ferrous metals in strip widths from 600 to 1.500 mm and strip thicknesses from 0.3 to 3.0 mm. Our references include steel plants, steel service centers, the automotive industry, and metal processors of various kinds. Individual customer solutions distinguish our innovatively designed, frequently proven, and highly productive lines DMMET cut-to-length lines cut aluminum sheet and strip for industrial applications and for the aeronautical industry to the desired precise dimensions.



CONSISTS OF THE FOLLOWING UNITS

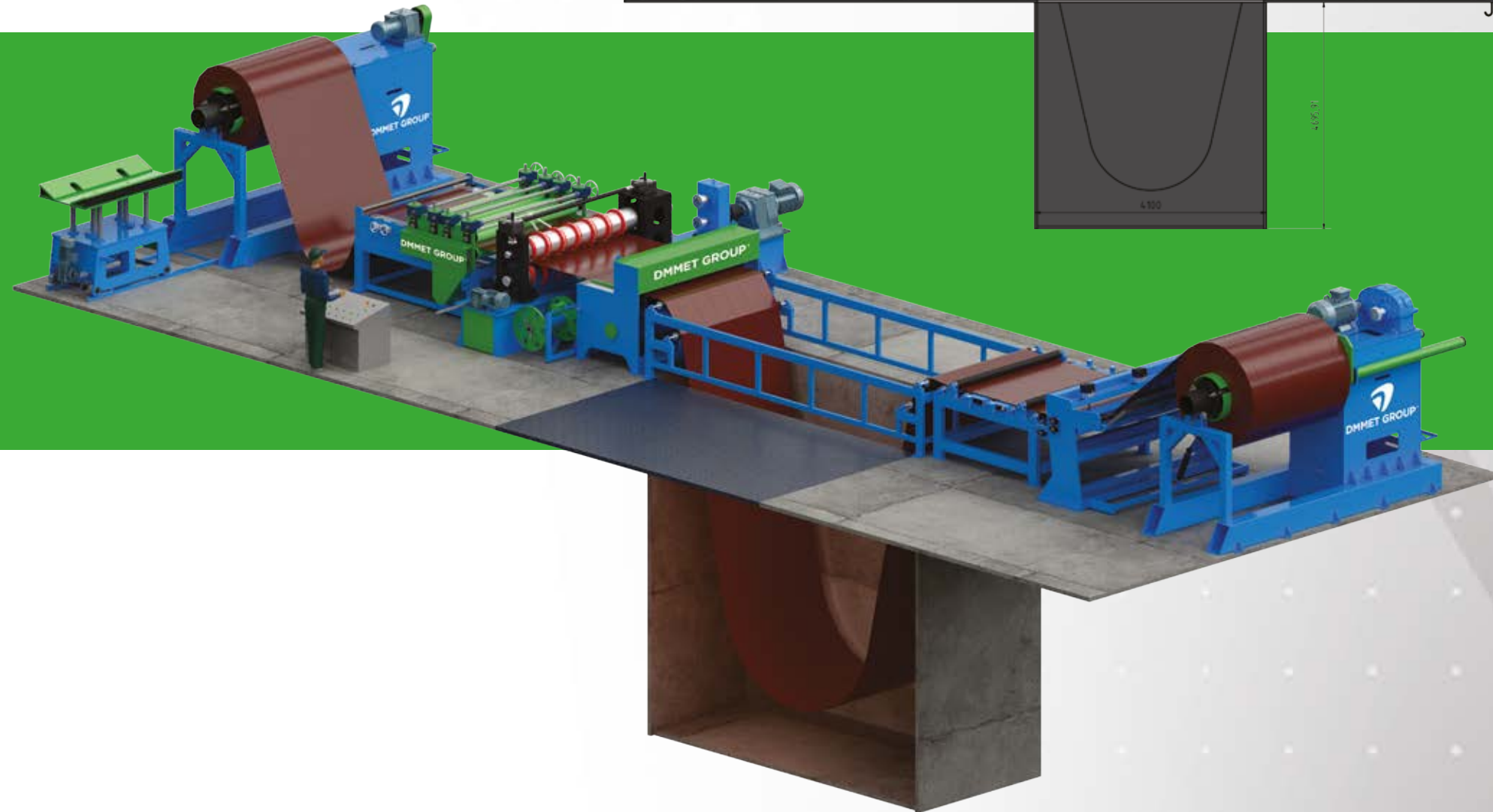
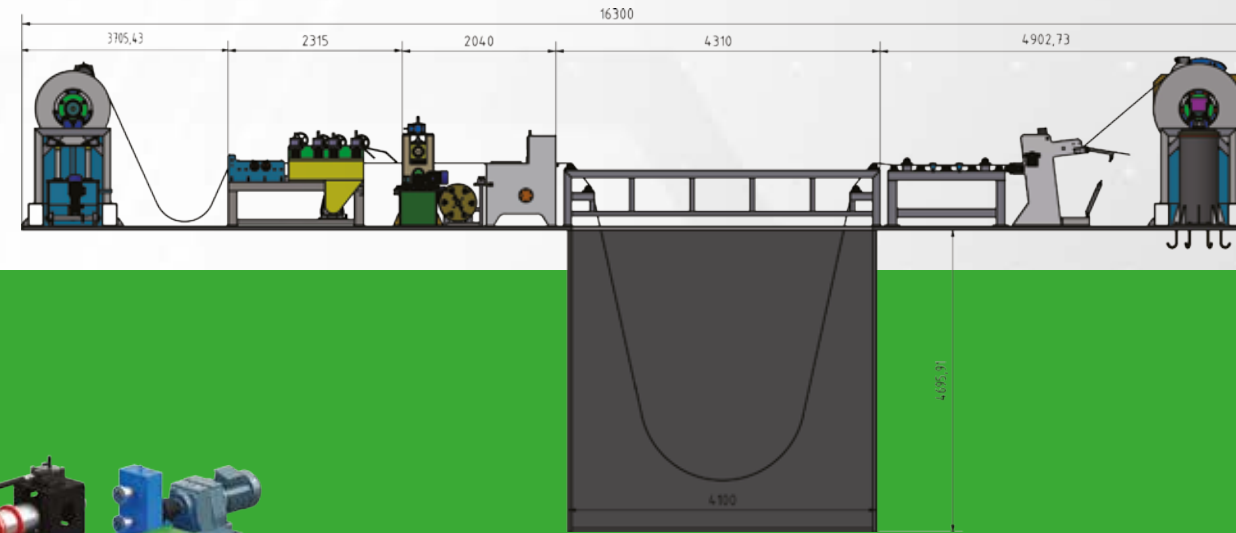
1	Uncoil and Uncoil Car
2	Feeding Unit
3	Leveller Unit
4	Hydraulic Cutting Unit
5	Stacker and Stacker Car
6	Electric Control Panel (Siemens)

SLITTING LINE

Produces Slitting Lines and Multipurpose Lines for sheet material in range:

- thickness 0.3 – 2.0 mm (typically)
- width up to 1500 mm (typically)

Machines are designed and built for heavy duty use. The construction, materials and components used are selected keeping in mind reliability and long life span.



HIGH PRESSURE DOSING MACHINE



We produce high pressure dosing machines used for all polyurethane foam applicatons. We also produce hydraulic presses for sandwich panel production, complete lines for pentane used applications and flexible foam lines.

DPM series high-pressure dosing machines are designed and developed to process all of polyurethane foam applications. With all in one frame, they are ideal for newcomers and long time users. DPM machines are available in a wide range of models with an output from 120 g/sec to 2500 g/sec at ratio 1:1.

TECHNICAL DATA						
DPM	250	500	1000	1500	2000	2500
Total Flow Rate at MV 1:1	50 g/sec - 250 g/sec	100 g/sec - 500 g/sec	200 g/sec - 1000 g/sec	300 g/sec - 1500 g/sec	400 g/sec - 2000 g/sec	500 g/sec - 2500 g/sec
Raw Material Tank	2 x 250 l	2 x 250 l	2 x 250 l	2 x 250 l	2 x 250 l	2 x 250 l
Installed Capacity	15 kW	20 kW	30 kW	40 kW	55 kW	70 kW
Processable Viscosities of the Components	20 - 2.000 mPas	20 - 2.000 mPas	20 - 2.000 mPas	20 - 2.000 mPas	20 - 2.000 mPas	20 - 2.000 mPas
Base Frame Dimensions	2.160 x 1.850 mm	2.160 x 1.850 mm	2.160 x 1.850 mm	2.160 x 1.850 mm	2.160 x 1.850 mm	2.160 x 1.850 mm
Total Weight (without liquids)	1.200 kg	1.250 kg	1.400 kg	1.550 kg	1.700 kg	2.110 kg
Cable	5x6 mm	5x6 mm TTR	5x10 mm TTR	5x16 mm TTR	5x25 mm TTR	5x35 mm TTR
Air (l/min)	8 bar - 500 l	8 bar - 500 l	8 bar - 500 l	8 bar - 500 l	8 bar - 500 l	8 bar - 500 l
Oil (Hydraulic Oil 46)	50 l	50 l	50 l	50 l	50 l	50 l

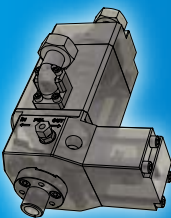
DPM POLYURETHANE TECHNOLOGIES

SERIES

DPM 250 | DPM 500 | DPM 1000 | DPM 1500 | DPM 2000 | DPM 2500

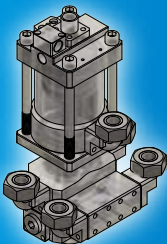


MIXING HEADS



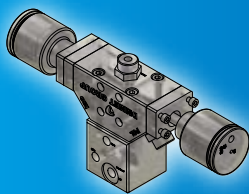
L TYPE MIXING HEAD

DPM technology produced to provide laminated flow in open molds, refrigerator or automotive industries.



I TYPE MIXING HEAD

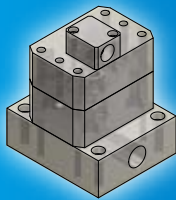
DPM technology that helps the polyurethane to reach all points of the panel, thanks to the I-type head used in discontinuous panel manufacturing.



CONTINUOUS TYPE MIXING HEAD

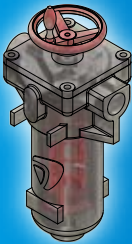
High-pressure mixing heads for continuous sandwich panel applications

DPM EQUIPMENTS



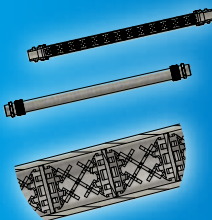
DPM FLOWMETER

DPM technology with high precision and high pulse feature manufactured for the polyurethane sector.



DPM EDGE FILTER (SELF CLEANING)

DPM technology that has a self-cleaning feature, has a handle and motor binding plate on it, and easily cleans the Isocyanate crystals and Polyol threads formed on the surface.

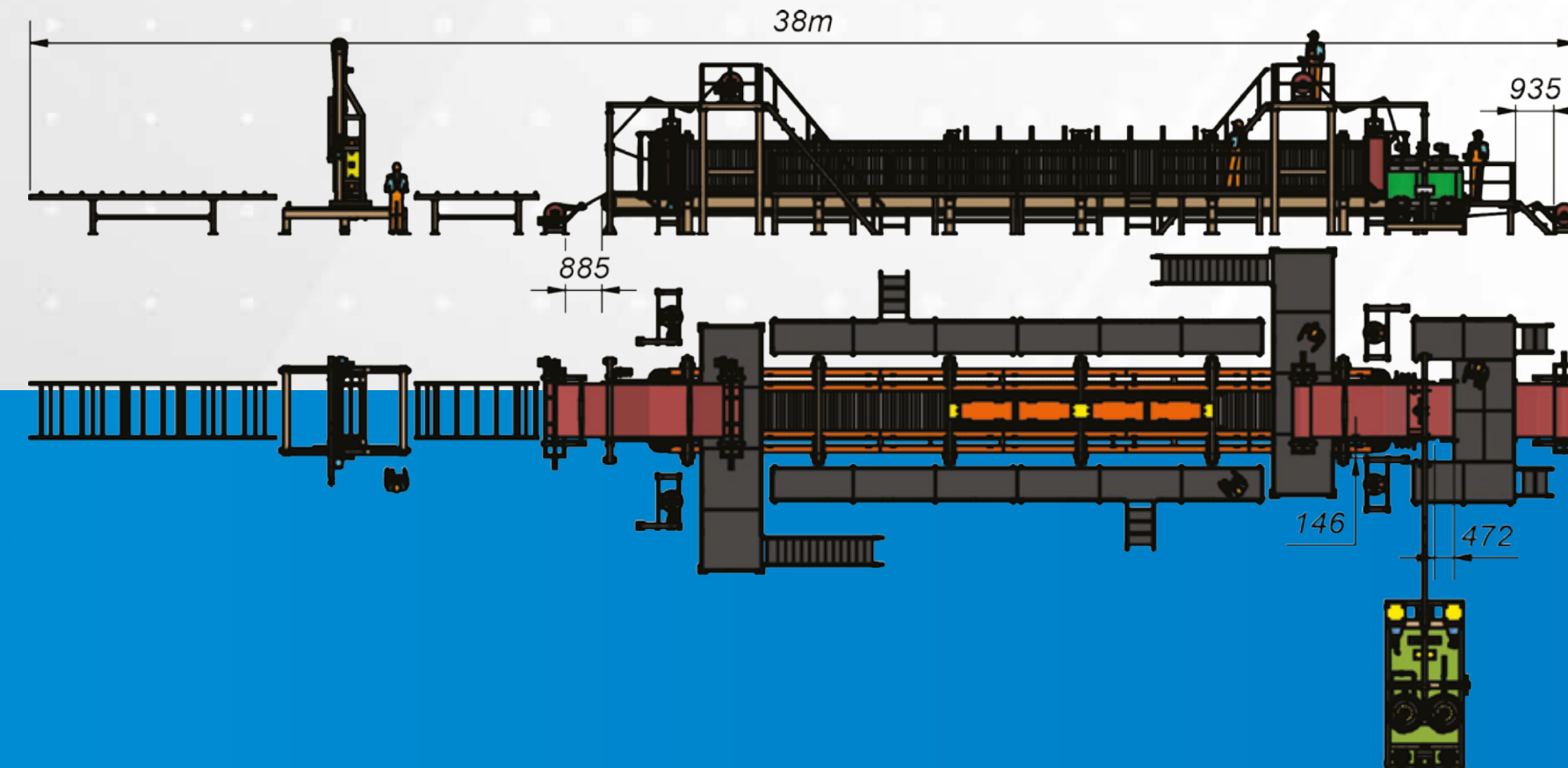


DPM STATIC MIXER

Auxiliary component used in continuous and discontinuous lines. Static mixer is the DPM technology used to obtain full-mixed Polyol by perfecting the mixture.

POLYURETHANE FOAM CONTINUOUS SLABSTOCK LINES

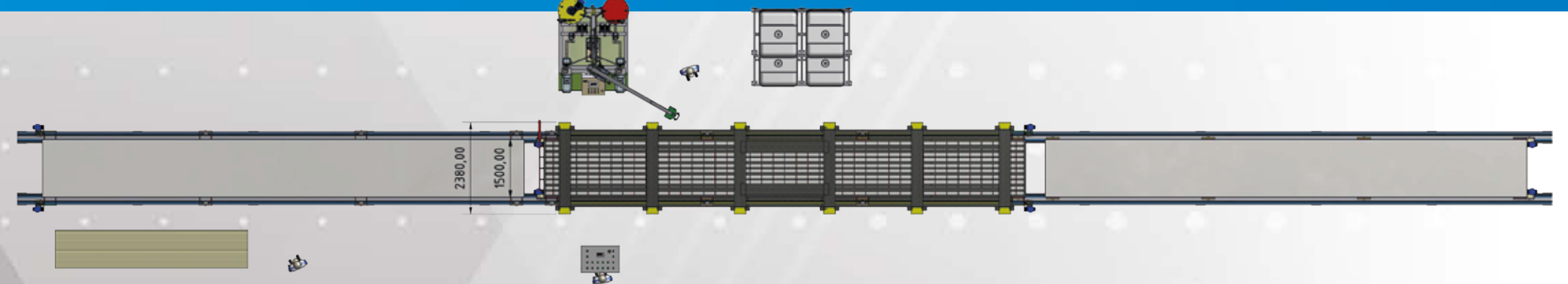
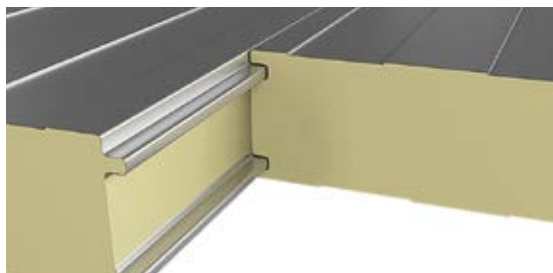
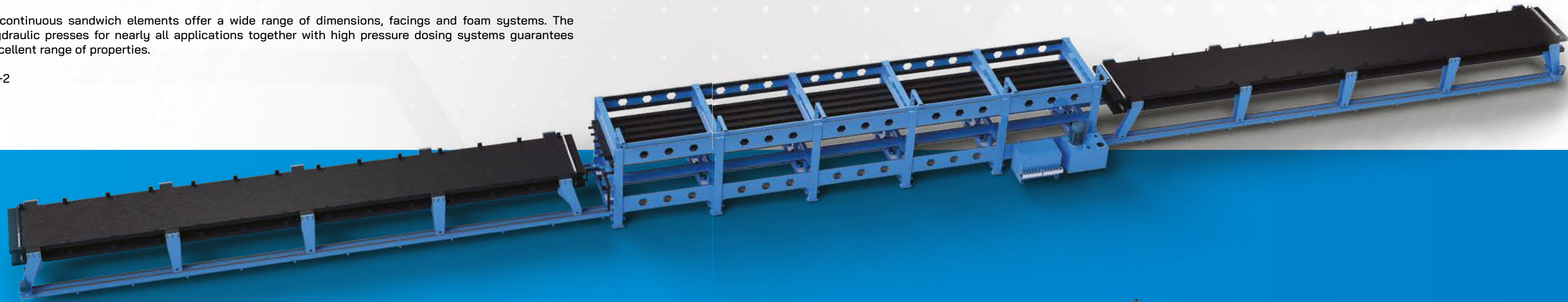
The combination of perfect high-pressure dosing and a efficient stirrer mixer makes Dmmet Group continuous slabstock lines are the perfect solution in the efficient processing of all commercial materials in almost all density ranges. Dmmet Group continuous slabstock lines are opening up a variety of prospects for the cost-effective manufacture of high-quality foams of any length, up to 2000 mm in width and, depending on the foam type and specific density, with a height of up to 1500 mm.



DISCONTINUOUS PANEL PRODUCTION LINE

DDP systems for the manufacturing of discontinuous sandwich elements offer a wide range of dimensions, facings and foam systems. The combination of high quality and reliable hydraulic presses for nearly all applications together with high pressure dosing systems guarantees efficient manufacture of products with an excellent range of properties.

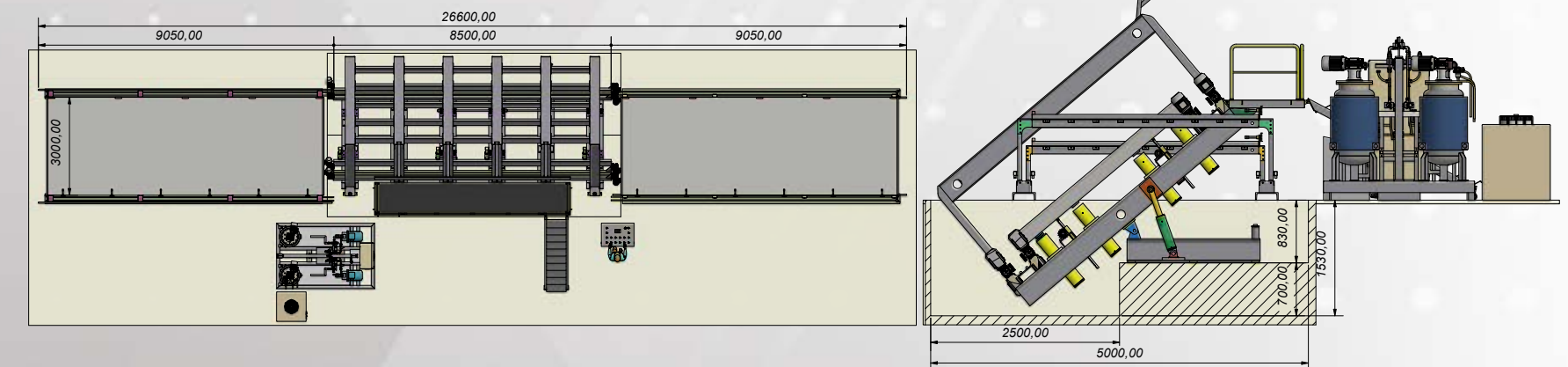
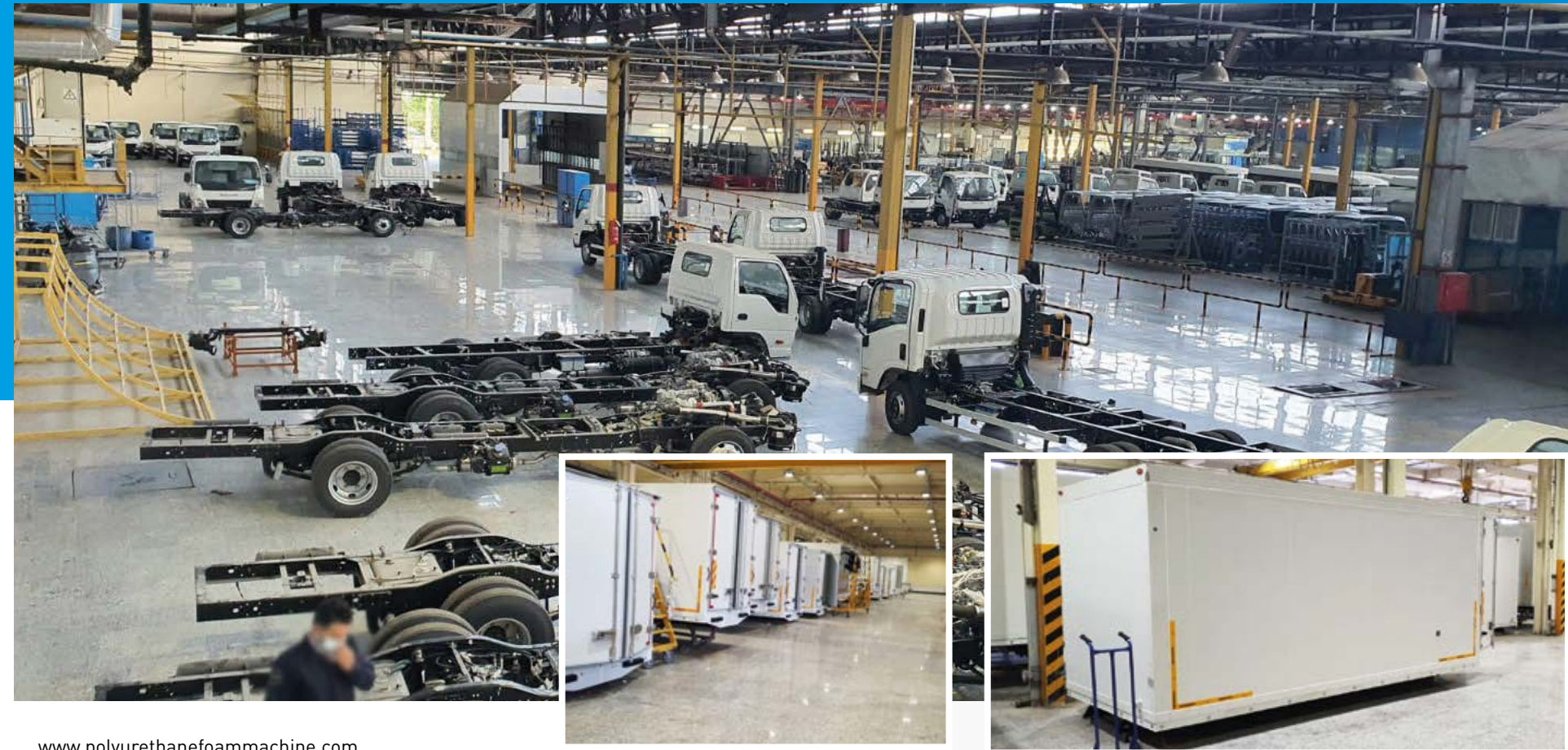
Dmmet Group offers its customers 1+1 and 2+2 shuttle systems.



REFRIGERATED TRUCK BODY PANEL PRODUCTION LINE

Polyurethane applying machine DPM series is designed for manufacturing of refrigerated truck body sandwich panels. The line can be combined with Discontinuous press.

Adhesive applying machine is made in a form of movable carriage, installed on rails, with a turn able on 45-degree console, where adhesive applying unit is located. The production is completed by pouring the dimensions of the polyurethane machine from the determined points inside the 3000mm x 8500mm press.



CONTINUOUS TRUCK BODY PANEL METAL SHEET PRODUCTION LINE

The Continuous Truck Body Panel Metal Sheet Production Line is designed for efficient and precise manufacturing of truck body panels. The system integrates key units such as Hydraulic Decoiler, Straightener, Servo Feeder, Slitter, Guillotine, CNC Bending, and Forming Presses to ensure smooth material flow and accurate processing. With its automated and modular structure, the line provides high productivity, consistent quality, and reliable performance for modern truck body panel production.

FLOW CHART

- 1 Hydraulic Decoiler

2 Guillotine

3 Servo Feeder

4 Slitter

5 Alignment

6 Cnc Bending

7 Forming Press 1
- 8 Forming Press 2

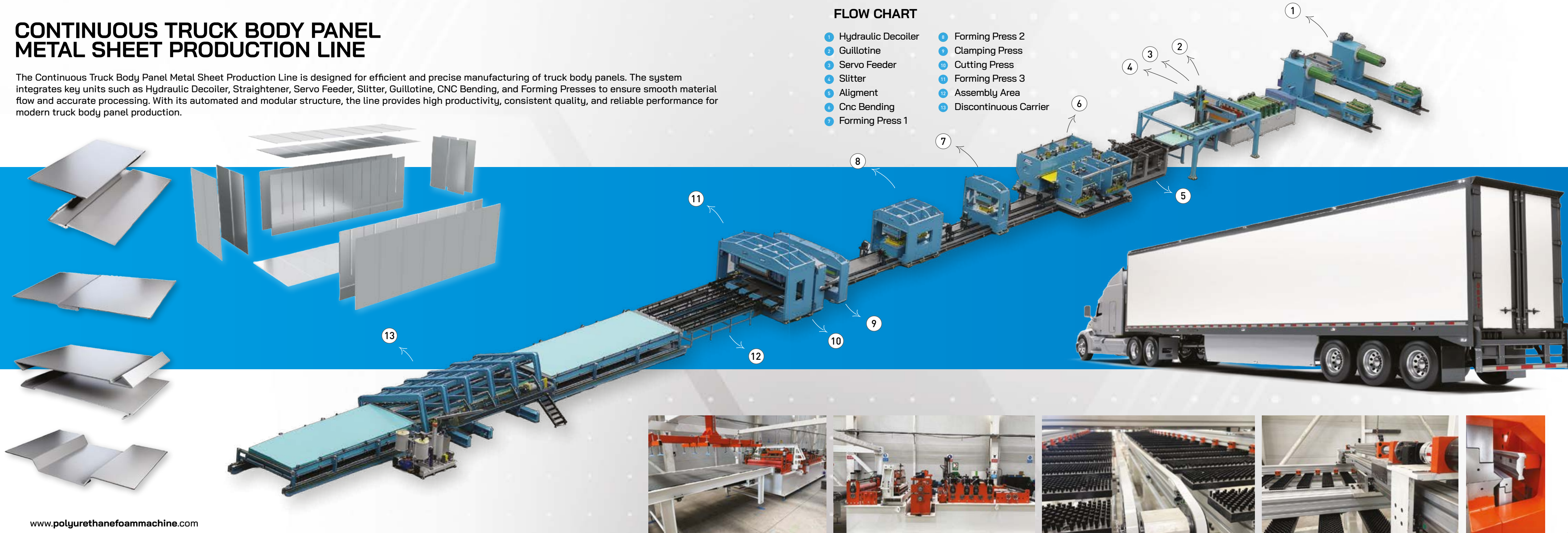
9 Clamping Press

10 Cutting Press

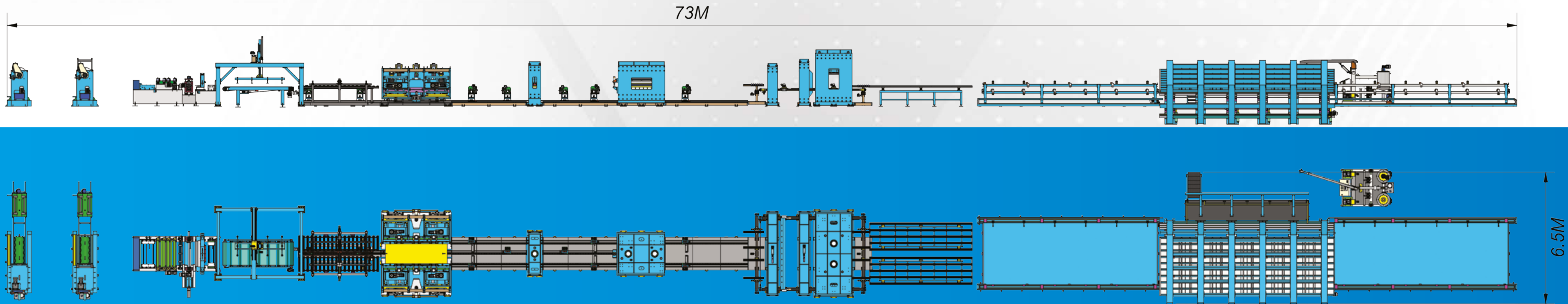
11 Forming Press 3

12 Assembly Area

13 Discontinuous Carrier



CONTINUOUS TRUCK BODY METAL SHEET PRODUCTION LINE LAYOUT PLAN



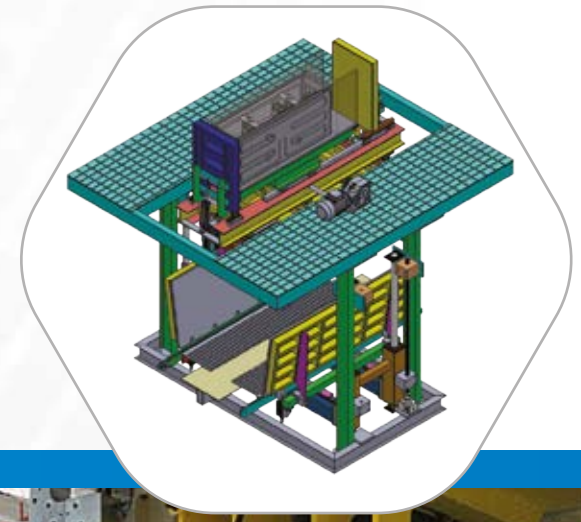
POLYURETHANE INTEGRAL FOAM MACHINE (AUTOMOTIVE - DEFENCE INDUSTRY)

Dmmet group polyurethane injection machines
Producing flexible sponges and integral systems used in areas such as seats, steering wheels, front consoles and sound insulation, Europa produces polyurethane foams that provide protection against engine heat and noise, as well as its strong, durable and light structure. and offers products that maintain their flexibility to the sector.



REFRIGERATOR PRODUCTION LINE

We provide our customers high quality production system and process technology for many other applications in the area of technical insulation with rigid polyurethane foam



FURNITURE MOLDING SYSTEMS

Dmmet group provides production solutions in the furniture sector where polyurethane is used, mold systems and polyurethane machines according to the production requests of the customers.







FACTORY • 1

Sarımeşe Mah.
Nazım Demirci Cad. No:368
Kartepe - KOCAELİ / TURKEY

FACTORY • 2

Çepni Mah.
Kiremithan Sok. No:21
Kartepe - KOCAELİ / TURKEY

FACTORY • 3

Sarımeşe Mah.
İcadiye Cad. No:3
Kartepe - KOCAELİ / TURKEY

FACTORY • 4

Çepni Mah.
Kiremithan Sok. No:23
Kartepe - KOCAELİ / TURKEY

FACTORY • 5

Sarımeşe Mah.
Dere Sok. No:48
Kartepe - KOCAELİ / TURKEY



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