DONEM MAKINA was established in Kartepe, Kocaeli, TURKIYE in 1996. As being stated, 2 factories, one with 4,600 m² closed and another 3,200 m² area.

With our full guarantee we offer:
- Turnkey PU-PIR Sandwich Panel Production Lines
- Corrugated Sheet Lines
- Metal Roof Tile Machines
- Roll Forming Lines
- UC Purlin Machines
- Mini Cut to length lines
- Polyurethane foam machine Pro max.

DONEM MAKINA has long years’ experience in designing, manufacturing, and installing complete systems for the production of PU-PIR SANDWICH PANELS, corrugated sheets and metal roof tiles with more than 100 employees, is the middle east-western European leader with sales and after-sales services.

Being creative and up to date with latest technology in our designs – products’ quality. Moving forward with our unique designs, constant development and creativity in our industry is what made us one of the most competitive in this field. To gain the honor of being model to manufactures. Choosing DMMET means obtaining immediate access, anywhere in the world, to highly trained technical personnel and top level facilities, reliable information, and unparalleled services, all of which are available at a quality/price ratio that is extremely competitive in the international market.

Dmmet has recently become one of the best sellers around the world with our keen to manufacture the best product in terms of quality / price / services.

Above all, our high performance, standards, which is eventually rated by our powerful presence in the international market which is marked by exporting more than 120 line until today to more than 22 countries.

Welcome to visit the east European and the middle east’s leading manufacturer.
PU-PIR SANDWICH PANEL PRODUCTION LINE

Our continuous PUR / PIR sandwich panel production line is already recognized its value by exporting 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.

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.

FLOW CHART


MAIN TECHNICAL DATAS

- Production Type: Continuous and automatic production
- Specification of Material: 0.3 - 0.8 mm
- Width of Material: 1250 mm Max
- Main Power: 240 kW
- Total Power: 300 kW
- Structure of Roll Forming Machine: Upper and lower pressing group producing with the pu complex mainframe
- Forming System: Continuous and automatic foaming, foaming capacity can be stepless adjustable
- Foaming Thickness: 20 - 300 mm
- Speed: 0 - 16 mm / min
- Way of the Controlling: Siemens PLC Computerized controling
- Total Weight: about 160 Ton
- Total Length: about 85 meter
PU-PIR SANDWICH PANEL PRODUCTION LINE
PU-PIR SANDWICH PANEL PRODUCTION LINE

PRODUCTS

3 Ribs Roof Panel Form
5 Ribs Roof Panel Form
Secret Fix Roof Panel Form
Mono Wall Cold Store Panel Form
Secret Fix Wall Panel Form
**PU-PIR SANDWICH PANEL PRODUCTION LINE**

**Type of Production:** Sandwich panels insulated with PU and PIR foam

**Type of Institution:** Polyurethane

**Rigid Facing Materials:**
- Material: Pre-painted and galvanized steel, pre-coated steel with PVC
- Thickness (mm): 0.35 - 0.80

**Rigid PUR Blend (B/B2) Foam density: 38 ÷ 45 kg/m³**

**MODEL**
- Press Length
- Min-Max Wall Panel Thickness
- Min-Max Roof Panel Thickness
- Max Production Speed

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Press Length</th>
<th>Min-Max Wall Panel Thickness</th>
<th>Min-Max Roof Panel Thickness</th>
<th>Max Production Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMMET 18</td>
<td>18 meter</td>
<td>40 mm - 150 mm</td>
<td>40 mm - 120 mm</td>
<td>8 m/min</td>
</tr>
<tr>
<td>DMMET 24</td>
<td>24 meter</td>
<td>40 mm - 150 mm</td>
<td>40 mm - 150 mm</td>
<td>10 m/min</td>
</tr>
<tr>
<td>DMMET 30</td>
<td>30 meter</td>
<td>40 mm - 180 mm</td>
<td>40 mm - 200 mm</td>
<td>13 m/min</td>
</tr>
</tbody>
</table>

**Estimated Production Capacity**
(Efficiency 80% - Panel width 1000 mm)

**Panel Thickness**
- 60 mm: 6.0
- 80 mm: 8.0
- 100 mm: 10.0

**Production (m/shift)**
- 60 mm: 2.880
- 80 mm: 2.520
- 100 mm: 1.800

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

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 overall 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.
DMMET, produces efficient and flexible production lines for trapezoidal and corrugated profiles. DMMET offers these solutions as multi-deck lines and as quick-change cassette lines. Roll forming machines for single profile production are also available from us.
**TRAPEZOIDAL SHEET ROLL FORMING MACHINE**

<table>
<thead>
<tr>
<th><strong>Ceil Material</strong></th>
<th><strong>Coil Color</strong></th>
<th><strong>Steel, Galvanised</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Coil Thickness</strong></td>
<td>0.3 - 0.8 mm</td>
<td></td>
</tr>
<tr>
<td><strong>Coil Width</strong></td>
<td>1000 - 1200 - 1250 mm, Customised</td>
<td></td>
</tr>
<tr>
<td><strong>Yield Strength</strong></td>
<td>250 - 350 Mpa</td>
<td></td>
</tr>
</tbody>
</table>

- **Decoiler and Decoiler Type**
  - Manual or hydraulic or automatic type

- **Main Roll Forming**
  - **Forming Stations**: 18, depending on profiles
  - **Bolster Material**: High-grade steel, surface with hard chrome 0.05 mm
  - **Shaft Diameter**: 86 mm
  - **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 brand
  - **Encoder**: OMRON brand
  - **Touch Screen**: Siemens brand

- **Hydraulic System**
  - **Hydraulic Station**: Famous TURKEY brand
  - **Hydraulic Power**: 4 KW

- **Auto Stacker**
  - **Max 13000 mm**
  - **Table Type**: Pnomatik System
  - **Function of Table**: To support the profile sheets after cutting
DMMET has extensive experience in metal tile profiles and a broad overview of manufacturing technology, and offers wide range of metal roof tile designs. We can also create completely new product designs and innovations according to specific customer requirements.

**Material Thickness**: 0.3 - 0.7 mm

**Material Width**: Depend on Profile

**Decoiler**: Manual Passive Uncoiler (Customer can choose hydraulic decoiler)

**Weight Capacity of Uncoiler**: 10 Ton

**Forming Station**: 1.2’ chain transmission

**Drive of Metal Roof Tile Roll Frm. Mac.**: 0.5 kW

**Main Forming Power**: 5.5 KW

**Hydraulic Power**: 4 KW

**Roller Material**: 45# Forge Steel, Polished And Coated with 0.05 mm Hard Chrome

**Principal Axis Diameter**: 86mm (Depend on Profile)

**Cutting Blade Material**: 12 Stations (Depend on Profile)

**Auto Stacker Unit**: Pnomatic System 1,2’ chain Transmission

**%100 Satisfaction**
METAL ROOF TILE ROLL
FORMING MACHINE
### Flexible U-C Purlin Machine

Pre-Punching and Pre-Cutting Purline Roll Forming Machine

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

<table>
<thead>
<tr>
<th>No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Main Purline Forming Machine</td>
</tr>
<tr>
<td>2</td>
<td>3 Tons Manual Uncoiler</td>
</tr>
<tr>
<td>3</td>
<td>Guide Device</td>
</tr>
<tr>
<td>4</td>
<td>Hydraulic System (Total three oil cylinders, two for punching holes, one for pre-cutter)</td>
</tr>
<tr>
<td>5</td>
<td>Hydraulic Motor</td>
</tr>
<tr>
<td>6</td>
<td>Hydraulic Pre-cutting Device</td>
</tr>
<tr>
<td>7</td>
<td>PLC Computer Controlling System With Touch Screen (Brand: Siemens Germany)</td>
</tr>
<tr>
<td>8</td>
<td>Pre-punching Holes Device (the customer decides the size of punching holes)</td>
</tr>
<tr>
<td>9</td>
<td>Reshaping Device</td>
</tr>
<tr>
<td>10</td>
<td>Run Out Table (4 PCS)</td>
</tr>
<tr>
<td>11</td>
<td>Tools</td>
</tr>
<tr>
<td>12</td>
<td>Operation Manual</td>
</tr>
</tbody>
</table>

%100 Quality
FLEXIBLE U-C PURLIN MACHINE

MACHINE
CUT to LENGTH LINE MACHINE

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 1,600 mm and strip thicknesses from 0.1 to 4.0 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

- Coil Car
- Coil Opener
- Down Spade
- Up Spade
- Pinch Rolls
- Leveller Unit
- Movable Shear
- Conveyor
- Pneumatic Storage Table
- Operator Desk
- Hydraulic Unit
- Automation Panel (MMC)
- Automatic Shear Unit
- Conveyor Driver Unit
- Free Installation
- Panel Driver Unit
DMMET GROUP high-pressure foaming machines are the right solution to the widest variety of applications and customer needs with a tailored design able to satisfy the production requirements.

PENTANE SYSTEMS

The need to reduce the environmental impact from greenhouse emissions policy of our company has the key point development, pushing DMMET GROUP to design a foaming machine helping those foam with hydrocarbons to sustainable development.

However, choosing a machine for PU foaming with Pentane is always a very important choice. The experience of the DMMET GROUP has developed this series of foaming machines for making the only choice.
POLYURETHANE FOAM
CONTINUOUS SLABSTOCK LINES

FORMING INNOVATION BY TECHNOLOGY