SHEET METAL PROCESSING EQUIPMENT CATALOGUE
**ROLL FORMING LINES**

**LPRF Series**

**LPRF (single purpose)** series are designed for manufacturing only one type of corrugated profile (corrugated board, cassette profile, panels of prefabricated buildings, etc.) with a width up to 1600 mm, thickness up to 3 mm, and profile depth up to 250 mm. Maximum profiling speed is 40 m/min.

The lines can be equipped with flying scissors that provides the production capacity of 60 m/min, i.e. 20 sheets (4 m length) per minute.

**LPRF (multi-purpose)** series are designed for manufacturing several types of corrugated profiles using one piece of equipment (profile depth from 8 mm up to 75 mm). Tool change is carried out by use of quickly removable modules. Change-over time to move from one profile to another is 20 minutes. The lines can be equipped with flying scissors that provides a production capacity of 12 sheets (6 m length) per minute.

**LPRF series** are designed for manufacturing of metal tile “Monterrey”, “Super Monterrey”, “Kaskad”, “Elit”, etc. The production capacity is about 1,2…2 sheets (6 m length) per minute. When using lines with two stamps the production capacity will increase be 2 times higher.

**LPEK** series are designed for manufacturing roof elements such as “wind board”, “angle”, “ridge”, “comice plank”, etc. The production capacity is about 1,2…2 sheets (6 m length) per minute. When using lines with two stamps the production capacity will increase be 2 times higher.

**LPS series** are designed for manufacturing siding-panels (“ship board”, “L-beam”, “log”, “beacon”, “angle”, etc.), decorative profiles, profiles for fixing plasterboard plates, and other special profiles.

**LPA** series are designed for manufacturing various reinforcing profiles with an option for perforations or knurling.

**LPB** series are designed for manufacturing beam type profiles, thermoprofiles, boxes for wiring, guardrails, etc. By using modular tool design, the range of profiles can be considerably expanded. The line could be adjusted for the production of another type of profile within 15 minutes.

**LPP** series are designed for manufacturing panels of various configurations (racking systems, linear and other front panels).

**LPK series** are designed for manufacturing profiles for fixing front panels, facing of buildings, etc.

**LPKM** series are designed for manufacturing roof elements, such as “round ridge”.

**LPSHR** series are designed for manufacturing profile type “splint rail”.

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EQUIPMENT FOR PRODUCTION OF THE ELEMENTS OF RAINWATER SYSTEM

**LPKT** series are designed for manufacturing round cross section pipes of various diameters from 28 mm to 200 mm.

**LPKV** series are designed for manufacturing round cross section gutters of various diameters.

**LPPT** series are designed for manufacturing rectangular cross section pipes of various dimensions.

**LPZH** series are designed for manufacturing rectangular cross section gutters of various dimensions.

**Bending Machines** **MGKT** series are designed for manufacturing corrugated round pipe bends with the required bending radius.

**Bending Machines** **MGRP** series are designed for manufacturing corrugated rectangular pipe bends with the required bending radius.

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STAMPS FOR RAINWATER SYSTEM ELEMENTS

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MACHINES FOR FUNNEL AND PIPE BEND ASSEMBLAGE

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SLITTING AND CUTTING-TO-LENGTH LINES

Slitting and Cutting-to-Length Lines are designed for longitudinal, transverse, or longitudinal-transverse cutting of coiled sheet metal with widths up to 1500 mm and a thickness from 0.2 to 3.0 mm with zinc or plastic coating and speed up to 90m/min.

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STAMPS FOR RAINWATER SYSTEM ELEMENTS

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MACHINES FOR FUNNEL AND PIPE BEND ASSEMBLAGE

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KNIVES AND GUILLOTINES FOR CUTTING

Knives and guillotines ensure cutting the material of the required thickness at the required speed maintaining their quality throughout the life. The list of knives starts from the guillotines for various roll-forming lines to disc knives for slitting and cutting-to-length lines.
AUTOMATIC CONTROL SYSTEMS

The purpose of automatic control systems is automation of profiling and cutting processes and correction of their parameters depending on material coating, hardness, and thickness. Automatic control systems make possible on-line control of the line operation and perform remote diagnostics. Use of components produced by such world-famous manufactures as Mitsubishi, Omron, Hitachi, Siemens, and Allen-Bradley in our automatic control systems allows AMTenginnering to produce world-class equipment.

SPECIAL MACHINES AND SUPPORT EQUIPMENT

Packaging machines are designed for wrapping packages of profile products of various configurations with polymeric tape.

Bending machines of MGPL series are designed for bending sheet panels with a radius of 12 m to 100 m.

Roller feeders UVP series are designed to feed steel strip into a press with a maximum speed of 60 m/min.

Perforating machines are designed for making spherical deformation plots on the original strip by means of rotation in order to increase its rigidity.

Flying scissors integrated in roll-forming lines are designed for cutting steel profiles to pieces without stopping.

Conveyors and stackers are designed for stacking sheets in a pack and transferring them along and across the profiling axis.

DECOILERS

Decoiler RG series (hydraulic coil clamping)
- Maximum load capacity is 12 tons
- Maximum unwinding speed is 50 m/min

Decoiler RM series (electromechanical coil clamping)
- Maximum load capacity is 8 tons
- Maximum unwinding speed is 40 m/min

Decoilers are equipped with coil lift chairs for coil handling

Decoilers RP series (driving, with manual coil clamping)
- Maximum load capacity is 5 tons
- Maximum unwinding speed is 50 m/min

Decoilers can have a rotary and dual console design

Decoilers R series (non-driving, with manual coil clamping)
- Maximum load capacity is 5 tons
- Maximum unwinding speed is 30 m/min
ERS Engineering Corp. is an exclusive representative of AMTengineering.

AMTengineering specializes in design, engineering, and manufacturing of equipment for the metal-working industry.

Over the years of successful operation AMTengineering has assisted its customers in increasing profitability and discovering new business opportunities. AMT’s main goal is to meet and exceed its customers’ expectations and become the most advanced and respected metalworking equipment supplier worldwide. The AMTengineering’s floor space, including its engineering center, is about 8000 square meters. At present, the company employs nearly 190 people (including 76 design engineers). Many years of research activities and design developments are reflected in the high quality of AMT’s equipment. Since the company started operations in 1999, it has received 42 patents for various types of equipment and special tools.