Roll-forming lines
flexible roll-forming lines
The very wide range of rollforming lines built by STAM enables them to supply rollforming equipment for every requirement. Different lines are built for thicknesses from 0.5 to 11 mm, producing profiles for every industry and application and offering the required precision, flexibility and speed. Fundamental is always technical reliability and safety and, where required, high levels of flexibility and quick tool changing.

Rollforming machines can be supplied as part of Flexible Manufacturing Systems (FMS) which may consist of integrated punching, bending, notching, welding and other equipment. The lines can be run for “just in time” operations with programming systems to produce finished components of different shapes and dimensions. FMS lines will incorporate STAM’s most advanced mechanical and electronic technology. Computer controls can be managed remotely with the PC memory holding the operation programme sequence to run without interruption and without producing scrap between one sequence sector and another.

**Automatic rollforming line for purlins (C, U, Z, Sigma profiles)**

All these profiles will be produced in the same machine with automatic set-up within 6 minutes.

- The thickness of the material can be from 1 up to 4 mm.
- The web dimensions from 100 to 400 mm
- The flange dimensions from 38 to 100 mm

**Rollforming line for U-beams (trucks side members)**

- Processed material: HSLA steel
- Thickness: 4-11 mm
- U-beams dimensions:
  - web width: 200 ÷ 340 mm
  - flange height: 55 ÷ 110 mm
  - radius: 11-12-14 mm

- Fully automatic adjustment
- Number of controlled axes: 34
- Set-up time < 4 min
- Speed: up to 24 m/min
STAM quality

Every process of the productive cycle is internally managed by STAM, covering
- Mechanical, electric, and software design,
- Building (fabricating, machining, assembling and painting),
- Mechanical, electrical, hydraulic, pneumatic testing at our plant (and finally at the customer’s works)
- Installation at customer site and commissioning,
- After-sale service.

The aim is to achieve a perfect match between our customers’ requirements and the equipment we supply. Our procedures fully meet the requirements of UNI EN ISO 9001:2000 and STAM’s system is certified by DNV to comply with this standard.

Research and development

STAM’s position of leadership rests on ongoing investment in research and development. Full advantage is taken of computer methods throughout all offices and departments. Particularly noteworthy is the highly successful system for production planning and control and for the functions of the sales department. There are also systems for scrutinising the technical capability, functionality and safety of every line and its component parts. Mechanical components are machined on numerically controlled machine tools to ensure accuracy and quality and provide the basis for interchangeability of replacement parts, should these be required in the future.

STAM has at its disposal a high level of software expertise which brings a special advantage to the control system of the lines they supply, enabling the systems to be precisely matched to each customer’s requirements.