



Production of cut parts

TMW, a.s. produces cut parts of various sizes and uses. The thickness of the cut material can range from 0.5 mm to 150 mm depending on the material and cutting technology. The selected technology is also a determining factor in the maximum size of cut sheets. Laser cutting is recommended for precise cutting up to a thickness of 20 mm, or plasma cutting and oxy-acetylene cutting for thicker materials.

Laser cutting

TMW, a.s. carries out metal sheet cutting for the needs of its own production, as well as for ordering using the TRUMPF 3030 laser cutting machine. This modern device, which works on the principle of flying optics, processes a variety of materials in the field of thin and thick sheet metal, up to the state of mounting readiness. Moreover, it can carry out marking of parts for identification purposes, create dimples in materials and process metal sheets covered with film.

Format and types of cut materials

- Format of material max. 3,000 mm x 1,500 mm
- Black material from 0.5 mm to 20 mm
- Aluminium from 1 mm to 6 mm
- Stainless material from 0.5 mm to 8 mm (thicker sheets 6 – 8 mm only in small piece batches)
- Cutting accuracy 0.04 mm, 3 kW

Plasma cutting

Cutting sheet metal with a thickness of up to 25 mm is ensured by the powerful MGM Omnicut 3100 cutting machine. The cutting machine allows us to cut both regular and shaped parts. We program cutting plans on the computer according to provided printed or electronic drawings (in formats DXF, DWG, etc.) and transfer them into the machine via a computer network or USB interface from a flash drive.

Format and types of cut materials

- Maximum size of cut material is 2,000 x 8,000 mm
- Maximum thickness of steel plates is 25 mm
- We cut steel of various grades with plasma, however, most often 11 375 or 11 523
- We can also cut aluminium materials

Oxy-acetylene cutting

Format and types of cut materials

- Maximum size of cut material is 2,000 x 8,000 mm
- Maximum thickness of steel plates is 150 mm
- We cut steel of various grades with plasma, however, most often 11 375 or 11 523
- We can also cut stainless materials