



Production of weldments

TMW, a.s. offers its customers the production of weldments for various applications. Weldments are made based on drawings provided by the customer or they can be projected by the Design Department of the company.

Robotic welding

Given the continuous improvement in the quality of welding, a robotic workplace is established at TMW, a.s., that is equipped with a CLOOS ROMAT@350 welding robot. This robust industrial robot with a large working range and structure based on the principle of a folding arm with a large working range of all axes meets the highest demands on the quality and strength of welds. The freely programmable positioner enables the installation of fixtures with a clamping length of up to 2,500 mm. Weldments weighing up to 500 kg, including the fixture, can be produced using the robotised unit.

Manual welding

TMW, a.s. has 12 welding workplaces set-up for manual welding using the MIG/MAG method, equipped with REHM RD 250, RD 320, RD 254 Synergic, RD 324 Synergic welding power supplies with an output of 250 A to 300 A, air-cooled. More powerful, liquid-cooled welding power supplies are also available - Synergic 3400, FRONIUS Synergic 4000 and FRONIUS Synergic 5000 with a welding performance ranging from 340 A to 500 A. Three workplaces for manual welding are equipped with the latest welding power supplies for pulse welding - FRONIUS TRANS PUL S Synergic 4000 and CLOOS QINEO PULSE 450 C, which meet the most stringent requirements for quality penetrations and very massive weldments.

We also have a Köco 1002 welding machine for stud welding (stud diameter of up to 20 mm) and a FRONIUS TRANSTIG MAGIC WAVE 2200 welding power supply with an output of up to 220 A for TIG welding with the option of welding steel, stainless steel or aluminium.