

POLNET company is expanding its machine park by purchasing the following machines:

- | CNC laser cutting machine for processing profiles and pipes
- | ENSIS-3015 AJ laser cutting machine for metal sheet processing
- | RO-BUDDY welding robot

CNC laser cutting machine for processing profiles and pipes

Laser for processing metal sheets and laser for processing tubes and profiles differ only in the type of charged material, the cutting technique is identical. Both machines have automatic loading systems enabling full use of their capabilities. Fibre lasers operate based on a set of diodes forming a laser beam. For transferring the laser beam to the cutting head an optical fibre is responsible for. This technology is characterised by ten times shorter wavelength of light compared to CO₂ lasers. Thanks to this, we achieve better energy focus, which allows for much more efficient use, especially with reflective materials, e.g. stainless steel. The fibre laser thanks to the small focal diameter and high quality of the jet achieves high efficiency and high-quality side surface.



ENSIS-3015 AJ laser cutting machine for metal sheet processing



RO-BUDDY welding robot

The new generation **Ro-Buddy welding robot** is simple, reliable programming, without restrictions for use, with a possibility to integrate with other power sources and to expand to a larger MIG / MAG machines. There is a possibility to connect to a network and to store traffic data and to change welding parameters using commands in the RO-Buddy robot program. The robot arm can non-invasively carry out work on other tasks, while the robot itself is not required. The Ro-Buddy robot has been CE marked by the Danish Institute in accordance with the Machinery Directive and ISO standards.

