

Quality

- EN ISO 9001:2008
- SOŠ AQAP 2120:2010 (military products)
- STN ISO 3834-2 (quality system of welding)
- DIN 18800-7, DIN 15 018, DIN 4132, DIN 1090 (steel construction welding system)
- DIN 15085-2 (welding of railway vehicles and their parts)
- Accredited calibration laboratory and testing laboratory in the company meet requirements according to standard ISO/IEC 17025:2005.
- Metallographical laboratory and mechanical testing
- The 3D coordinatng measuring machines: ZMS OPTON ZEISS, MORA, LEICA TRACKER
- NDT testing – ultrasonic testing, magnetic –powder testing, penetration testing and visual tests of welds.



Business development

- Product and segment diversification
- Pro-customer and project management approach
- Strategic building of long-term business partnerships



Products and services

- Complete sets of parts for mining machines.
- Kinematic elements for construction and handling machines and equipment.
- Security features and frames for forestry handling equipment.
- Steel constructions for rolling stock.
- Welding constructions for injection moulding machinery.
- Welding constructions for infrastructure area (road, air transport etc.)



Contact:

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Technology

■ Engineering drawing

Our technical team is ready to offer our customers technical support in terms of: creation of 3D models, drawing of construction documentation (technical drawings), processing of accompanying documentation and spare parts catalogues. Designers and technicians process the drawings and models in following programs:

AutoCAD, Autodesk Inventor.

■ Material preparation

Based on delivered technical documentation it is possible to process the required type of material by cutting, burning and sawing.

For burning of metal sheets the company uses the oxygen-acetylene, plasma and laser burning machines .



■ Forming

The brakes are able to generate pressure from 150 to 800 t, with a maximum length of pressed material up to 5000 mm, with bending a radius of 200 mm. There is also the availability of sheet straightening machines and roll bending machines.

■ Welding

Manual welding is provided by highly qualified workers using various welding equipment such as the **MIG/MAG, TIG, CMT**. Welding of rotated assemblies and booms in particular is done by welding robots **IGM and OJ 10**. Welding materials: Class S235 to S960 (**Weldox 700, Hardox 400, ArmoX 500**). Special types of steel (size 1 - 150 mm). PPS Group a. s. holds the welding certificates.



■ We can offer our customers:

Long-term partnership.

Know-how and complex technological processes.

Independent and complete supplier from Material preparation to Assembly

Quality from one place

Cost improvement program

Technical support in processing of the construction documentation.

Work with special types of steel: thickness 1-150 mm, class S235 to S960 (Weldox 700, Hardox 400, ArmoX 500).

Certified NDT – testing: (ultrasonic, magnetic-powder testing, penetration testing and visual tests of welds).

Tradition in engineering production.

Skilled staff (certified welders for steel construction and railway vehicles).



■ Machining

Mechanical machining of smaller assemblies and subassemblies are made with the use of **lathes, drills, milling machines and grinders**. For bigger welding construction, the company is equipped with modern **NC and CNC centres**.

■ Painting and assembly

Depending on the parameters of the products, the painting process is undertaken in an overhead chamber paint line or in painting and drying combo booth. These devices are intended for painting with two-component paints



■ Upgrade of machine park in use

Modern Blasting robot with possibility to make a blasting program.

Multimodal painting cabine.

Horizontal boring machine with movable table.

CNC controlled plasma machine for cutting and sheet metal stamping.

