



GKR STEEL s.r.o.

GKR STEEL s.r.o. **Quality thanks to precision**

GKR STEEL s.r.o. is a Czech company founded in 1998, which specialises in made-to-order production of steel constructions, technological units and precise metalworking.

The company has its seat in Roudnice nad Labem close to the D8 highway which guarantees good transport accessibility not only within the country itself but also within Europe. It is 50 kilometres away from Václav Havel Airport in Prague, 20 kilometres away from the freight port on the river Elbe which is further connected with rail freight transport. Czech border with Germany is 70 kilometres away.

All production takes place in our own production facilities having the area of 8000 m². Thanks to our technological equipment we are able to offer the complete production process from the material procurement, its splitting, working, machining, pressing, welding, surface finish and the final assembly. We keep modernising our production tools and increase the production capacity. 80% of our production is exported. Our production capacity is approximately 250 to 350 tons of steel per month depending on the difficulty of the construction.


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PLASMA CUTTING ON PIERCE MACHINES

- Maximum size of the processed material - 6000 x 2000 x 50 mm
- Precision – depends on the thickness of the processed product
- Necessity of further neatening of the machined product – depends on the thickness of the processed material
- Production capacity – 2 shift operation
- Advantages – in comparison with laser, thicker material can be processed

- Forming power – 200 t
- Maximum length of the processed material – 3000 mm
- Maximum thickness of the processed material – 10 mm depending on the tool used
- Bending – 90 to 179,9°
- Production capacity - 2 shift operation



CNC SOMO PRESS BRAKES



FICEP DRILLING SAWING CNC MACHINE

- Type of machining – sawing, drilling, marking
- Processing of steel materials with the following profiles – H, I, U, L, square and rectangular cross section, circular cross section is not possible
- Maximum length of the processed material – 15500 mm
- Size of the processed material – from 80 to 1000 mm

- Maximum size of the processed material – 700 x 500 x 50 mm





FICEP PUNCHING AND SHEARING CNC MACHINE



AUTOMATED HRDFORD CNC MACHINING CENTRE


- Type of machining – vertical punching, drilling, threading and grinding
- Maximum size of the processed material – depends on to the length of rail travel 1000 x 630 x 600 mm

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- ## SPLITTING OF MATERIAL
- Sawing – band saw
 - Cutting – hydraulic clippers, maximum thickness of the split material 16 mm and length 3000 mm



WELDING – MIG / MAG

- Type – semiautomatic welding technology for welding in protective atmosphere of the inert (MIG) or active (MAG) gases
- Number of machines – 25, 5 out of which are with water cooling for nonstop service
- Welded material – steel, aluminium, stainless steel

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- ## HANDLING EQUIPMENT
- Portal cranes in all halls with maximum load from 3, 2 to 5 tons.
 - Forklifts with maximum load of 3, 5, 5 and 6 tons.
 - Truck MAN L 280 FM 5 S – trailer with maximum load of 3,5 tons



SURFACE FINISH

- Basic anticorrosion sprays – own painting shop for application of the basic anticorrosion protection and colours according to RAL colour chart
- Other possibilities of surface finish – in cooperation we can arrange heat galvanising maximum size of the product 7000 x 2200 x 1800 mm, heat galvanising facility is within 5 kilometres from the production plant



Design, certificates

- Preparation of production documentation – in-house

- Calculation of statics – external company
- Certificates – ISO 3834, EN 1090-1, EN 1090-2



References



**TECHNOLOGICAL UNIT
SPOLCHEMIE ÚSTÍ NAD LABEM**

**TECHNOLOGIES FOR
PETROCHEMICAL INDUSTRY**



**CONVEYOR FOR RENAULT
PRODUCTION LINE**

**CONSTRUCTION OF TECHNOLOGY
FOR BAGGAGE CLEARANCE –
CHARLES DE GAULLE AIRPORT,
PARIS**



**CONTAINERS FOR TRANSPORT OF
WASTE FOR THE COMPANY A.S.A.**



Contact details and identification data

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