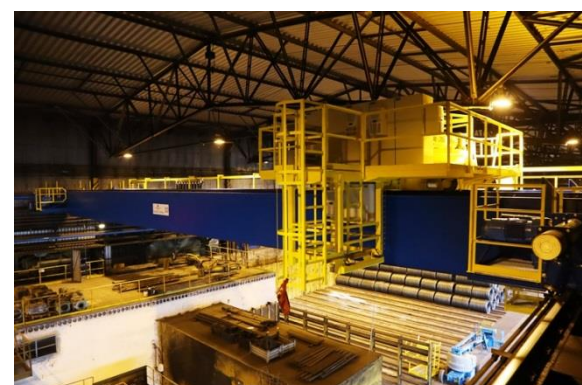




**Two-gantry girder overhead travelling crane**

*Lifting capacity: 8t/ 3,2t  
Span of crane: 34,5m*

- Handling with bars bundles
- Control from air-conditioned/heated cabin, option of radio remote control
- Equipped with footbridge for easy operation of the crane mechanism
- Equipped with rotating crab with unlimited rotation
- Designed for indoor environment of hall



**Two-gantry girder overhead travelling crane**

*Lifting capacity: : 6 t  
Span of crane: 28m*

- Handling with wire coils by C-hooks
- Control from air-conditioned/heated cabin
- Equipped with footbridge for easy operation of the crane mechanism
- Crane contains SIMATIC control system and is connected to the in-house WIFI network
- Equipped with 270° rotatable crab to both sides
- Designed for indoor environment of hall



**Full-portal gantry crane**

*Lifting capacity: 23 t  
Span of crane: 44 + 4,7 m*

- Handling with billets using two pieces of the electromagnets suspended at both ends of the support beam
- Control from air-conditioned/heated cabin
- Equipped with footbridge for easy crane system operation
- Designed for outdoor environment



**Two-gantry girder overhead travelling crane for ingots store (2011)**

*Lifting capacity: 16 t  
Span of crane: 28,2 m*

- Ingots handling is engineered by extending telescopic which ensures stability of cross girder with magnets
- Operating from the cabin
- Equipped with footbridge for easy crane system operation
- Rotating crane crab enables 270 ° turning of cross girder during the handling

**MANUFACTURING AND MODERNIZATION OF INDUSTRIAL CRANES**

**MANIPULATORS**





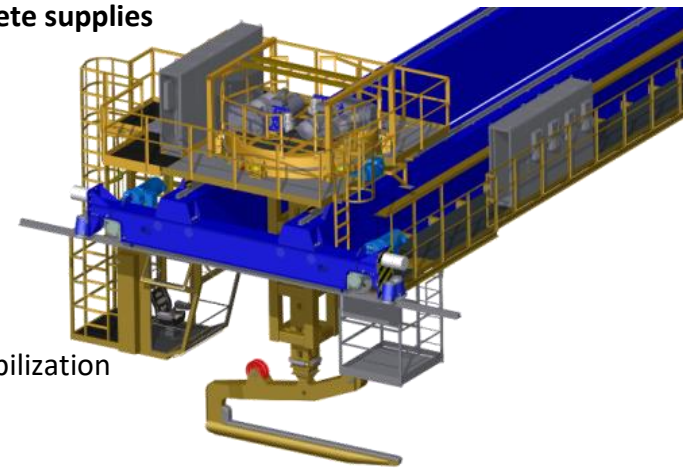
**CRANES AND ACCESSORIES**

**We offer:**

- Manufacturing of cranes incl. the turnkey projects – complete supplies
- Proposal of complex solution of investment planning
- Processing of complete offer incl. the crane design
- Order management by professional team incl. the training
- Customer service – assembly, customer service, spare part supplies

**We produce**

- Overhead travelling cranes incl. the lift and components stabilization
- Full-portal gantry cranes
- „Suspension“ cranes
- Magnet cranes and grap cranes



*Full-portal gantry crane for bulk material handling, span of crane = 45 m, lifting capacity = 16 t*



**Clamp crane for handling blooms (2003)****Lifting capacity: 35 t****Span of crane: 25 m**

- Handling with blooms
- Control from air-conditioned/heated cabin
- Equipped with footbridge for easy operation of the crane mechanism
- Designed for indoor environment of hall

**Two-gantry girder overhead travelling crane for wire rod mill (2014)****Lifting capacity: 6 t****Span of crane: 28,3 m**

- Handling with wire coils by C-hook
- Control from the comfortably equipped cabin
- The entire crane is controlled by a PLC system and connected to the company WIFI network
- Equipped with a rotating crab to 270 ° on both sides
- Designed into hot environment

**PARTS AND ACCESORIES FOR CRANES****MANIPULATORS**

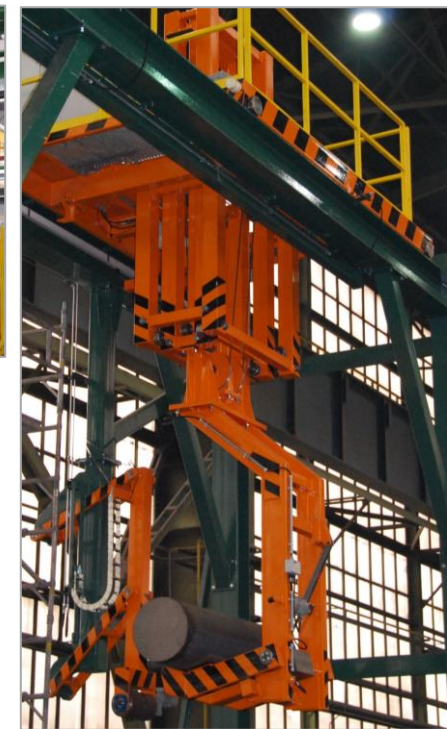
We offer **a complete production and supply of portal and suspension manipulators** facilitate handling with materials or products in a manufacturing process. These are special manipulators with fully automatized mechanisms.

**Handling equipments** are equipped with own drive that together with further mechanisms assures the process of itself gripping of the load or change of its position. It means that all necessary operations can be performed without presence of operator and in automatized working process.

Technical parameters of the manipulator can be adapted to customer needs and requirements in view of the environment and the type of manipulated material.

**PORTAL MANIPULATOR FOR HANDLING WITH PAPER / STEEL SPOOL**

Portal manipulator is placed in metal sheet rolling mill and is used for handling with the paper/steel spool by C-hooks. Spools are taken from a supply point and moved to the storage tank.

**PORTAL MANIPULATOR FOR HANDLING COILS OF SHEET METAL**

Portal manipulator is placed in aluminum rolling mill and it is used for handling with the coils of sheet metal by C-hooks. Manipulator is equipped with telescopes to prevent vibration of transported elements and Handling the loads is carried out with a precision of 1 mm.

