



PT SOLUTIONS

YOUR BUSINESS SUPPORT



AUTOMOTIVE
AND ELECTRICAL
ENGINEERING INDUSTRY

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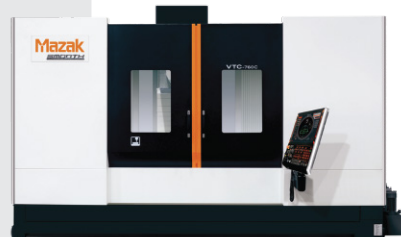
Mechanical Engineering Production

Our production is based on precision and flexibility. We manufacture components based on technical drawings, physical samples, or upon request our in-house design department can develop complete technical documentation tailored to your needs. Thanks to our advanced technological capabilities, we offer custom, small-batch, and large-scale production of high-quality parts designed to meet the demands of both the **automotive and electrotechnical industries**.

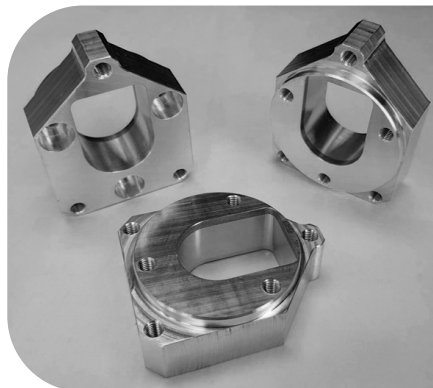
- *3-axis and 5-axis CNC machining*
- *Horizontal machining of oversized parts and welded assemblies*
- *Turning and production of trapezoidal threads*
- *Surface grinding and polishing*
- *Wire EDM cutting*



CNC lathe Mazak Quick Turn 250MY



CNC machining centre Mazak VTC-760C



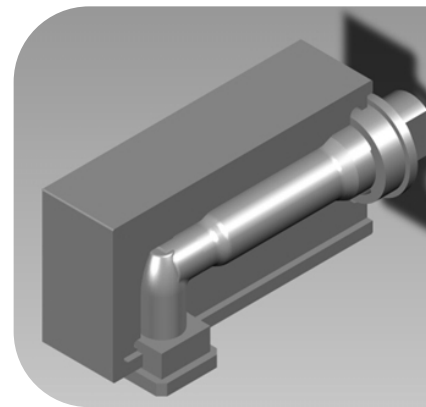
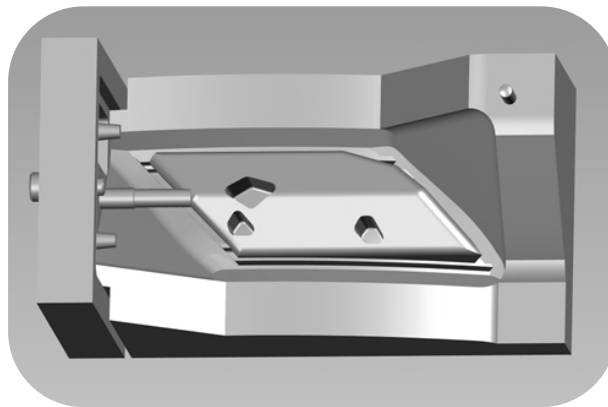
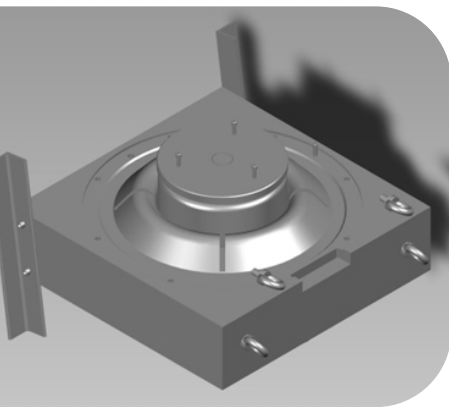


Tool and Mold Manufacturing

We design and manufacture tools, molds, and high-precision components using both standard and specialized materials for the production of plastic packaging, polyurethane (PU) and rubber parts, as well as components for plastic injection molding used in the industry.

Our mold manufacturing services include:

- **Mold design** – *creation of detailed 3D models (STEP format)*
- **Technology selection** – *CAD/CAM programming to ensure optimal production methods*
- **Precision machining** – *CNC manufacturing of individual components using 3-axis and*



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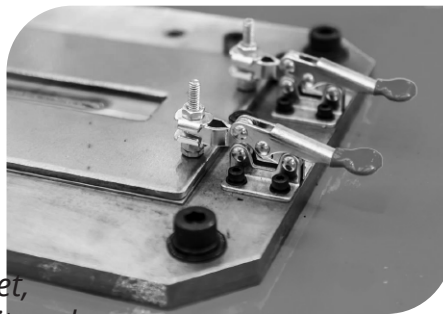


Production of Inspection Fixtures

Production of Inspection and Measuring Fixtures for Various Applications:

- *Verification of OK/NOK parts*
- *Positioning and clamping of parts for machining*
- *Gluing or welding processes*

Our fixtures range from simple templates to complex devices equipped with pneumatic drives and controls.



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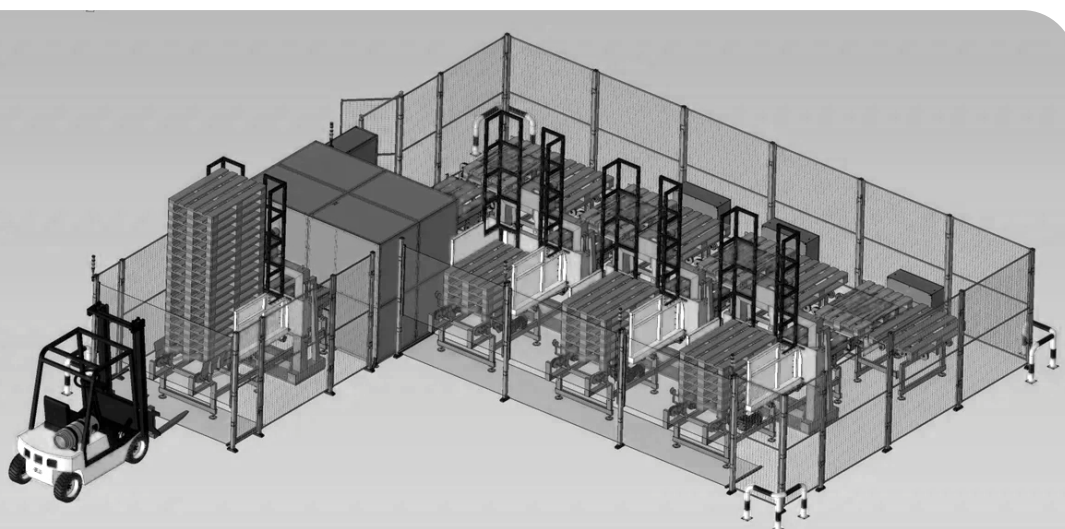




Engineering Design

We offer comprehensive solutions from the initial idea through development and engineering to implementation across various industrial sectors.

- Designing custom technical solutions
- Designing functional parts of special-purpose machines and conveyors
- Static and dynamic calculations of steel structures
- Capacity calculations based on customer requirements
- Direct communication with assigned clients
- Preparation of technical documentation and production drawings
- Independent execution of complete design and development work, including 2D and 3D modeling
- Process improvements focused on reducing lead times
- Creation of operation manuals in accordance with ISO standards and CE requirements





Conveyor Systems

We offer conveyors suitable for almost all types of materials and operating conditions. Our services include design, manufacturing, selection of appropriate technology, and development of custom technical solutions.

The company's main focus areas include:

- *Sorting of materials and products*
- *Transport and dosing*
- *Automation of conveyor systems*
- *Development and production of prototypes*

Steel conveyors with metal belts:

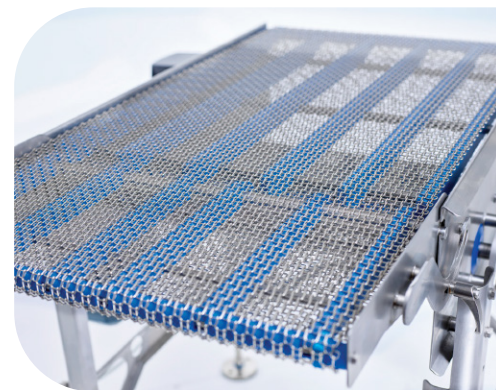
- *Material recycling*
- *Scrap management*
- *Press shops*
- *Handling of bulk and hot materials*

Steel conveyors with wire belts:

- *Food industry*
- *Handling of products in ovens*
- *Cooling processes, rubber and glass industries*

**Handling conveyors
made from aluminum or steel structures:**

- *Wide range of options for various operating conditions*
- *Powered or gravity roller conveyors*
- *Belt conveyors with smooth or modular belts*
- *Accumulation and chain conveyors*
- *Telescopic conveyors*



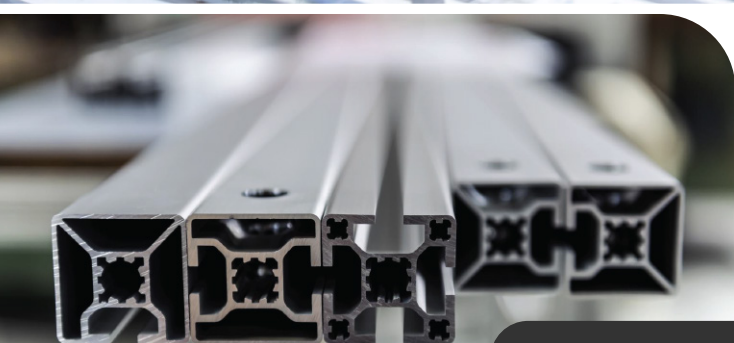


Machine Building Components

In the design of our conveyor systems, we supply and use a wide range of high-quality components sourced directly from manufacturers, allowing us to ensure low procurement costs and short delivery times, while also ensuring durability, precision, and compatibility to meet the diverse needs of industrial manufacturing.

Our offer includes a wide range of components for conveyor construction, product positioning and transport, as well as for building tables, structures, and frames from aluminum profiles.

- *Aluminum profile systems: MayTec, ITEM, BOSCH*
- *Conveyor and accumulation rollers: Interroll*
- *Linear technology for precise positioning: LTR*
- *Conveyor belts made of PVC, PU, and modular belts: MOVEX*
- *Wire and steel conveyor belts: WIREBELT*
- *Redler and conveyor chains*
- *Industrial wheels and supports*
- *Silent blocks and anti-vibration elements*
- *Preparation of technical documentation and production drawings*
- *Independent execution of complete design and development work, including 2D and 3D modeling*
- *Process improvements focused on reducing lead times*
- *Creation of operation manuals compliant with ISO standards and CE certification*



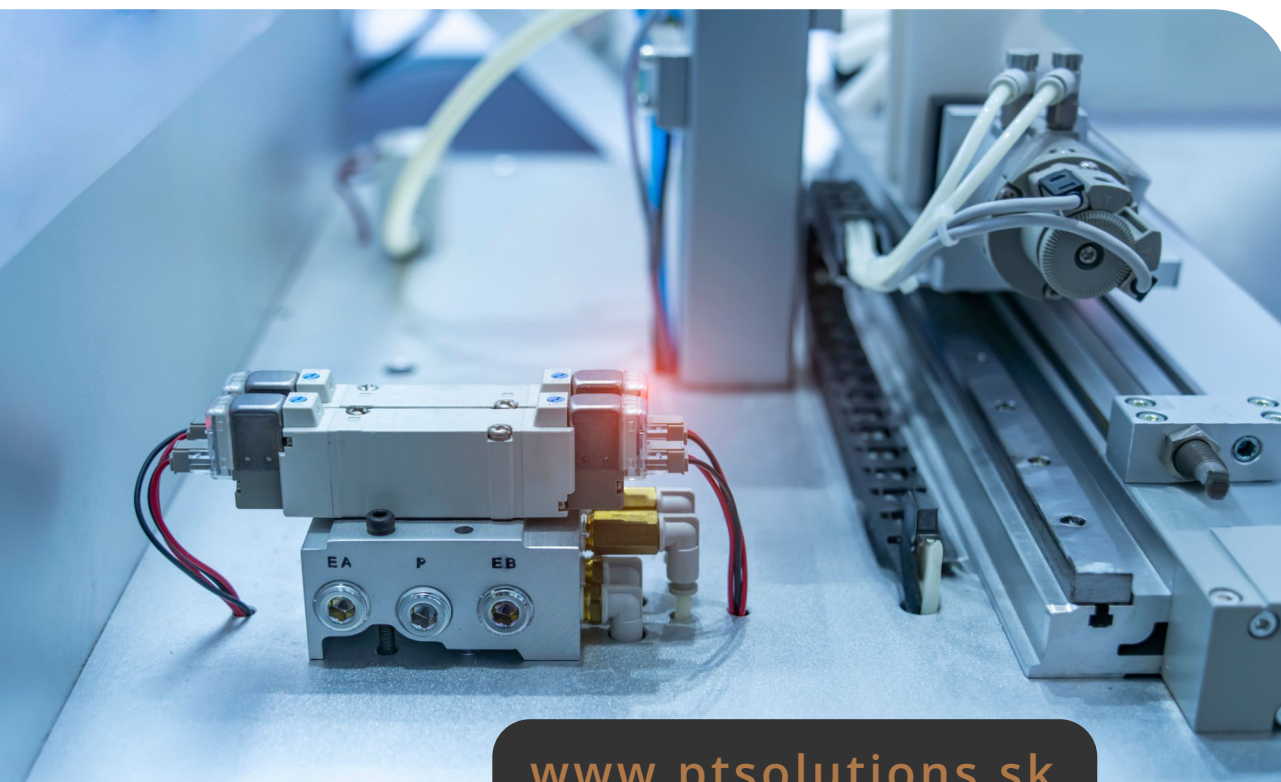


Components for Industrial Automation

Our conveyor systems include comprehensive automation solutions integrated into complete systems to improve efficiency and reliability. In this area, we closely collaborate with leading brands such as MITSUBISHI ELECTRIC and SIEMENS.

We offer a wide range of automation options, including:

- *PLC programming and servo drives*
- *Sensor technology and detection systems*
- *Robotic handling and safety components*
- *Custom gripper design for robots based on customer requirements*





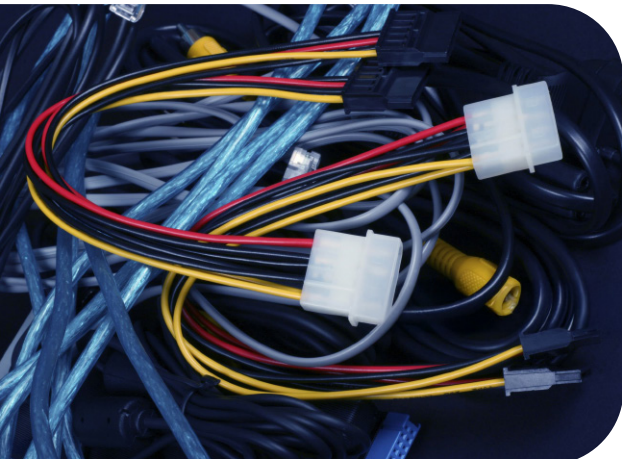
Cables and Cable Harnesses Ferrite Components

We create custom design solutions based on the specific needs and requirements of our customers. We manufacture cables and custom cable harnesses tailored to customer specifications for various industrial sectors. Our production capabilities include prototype, small-batch, and series manufacturing of simple or specialized cables according to customer's technical drawings.

We perform testing and certification of manufactured cables, with quality control in accordance with ISO 9001:2008 and certification under the UL standard.

We also supply ferrite components for the electrical engineering industry. Our product range includes Ni-Zn ferrites primarily used for filtering high-frequency interference, as well as Mn-Zn ferrites which provide solutions for filtering low-frequency interference (e.g., in RFID antennas, transponders, and other telecommunication devices).

Ferrites are available in various forms, including ferrite rods, rings, cores, tubes, split cores, and plastic-encased versions, all customizable to customer requirements.



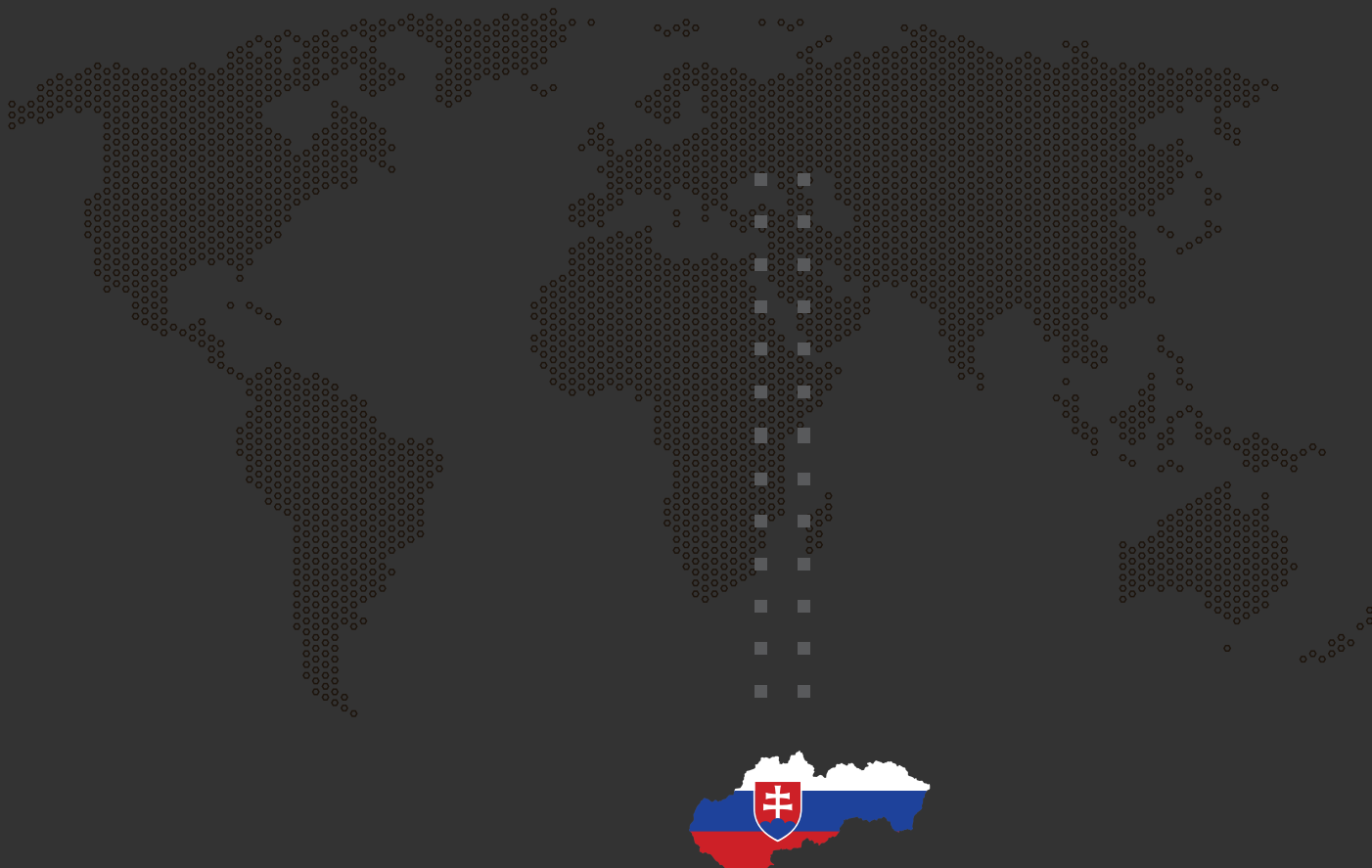


Maintenance and Service

We provide our services within both warranty and post-warranty maintenance across various industrial sectors for production lines, conveyor systems, and specialized machinery. Our professional service team ensures the following services not only during working days but also during shutdowns and weekends:

- *Inspection and maintenance of mechanical parts on conveyors*
- *Inspection and maintenance of electrical components, motors, and gearboxes*
- *Replacement and adjustment of safety devices and sensors*
- *Inspection and maintenance of pneumatic and hydraulic components*
- *Checking suction, lubrication, and cleaning of equipment*
- *Planning of preventive maintenance and service interventions*
- *Manufacturing and replacement of damaged parts on production lines*
- *Preparation of technical documentation for spare parts*





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