



www.imcslovakia.sk

History

Overview of the Development of IMC Slovakia, s.r.o.

- **1995** Founding by Mr. & Mrs. Ďurkovský. IMC Slovakia was originally founded as a service provider connecting international companies with Slovak manufacturing partners.
- **2000** Beginning of transformation into a manufacturing company first in-house component production facility established in Šebešťanová.
- **2006** Establishment of Teprofa Slovakia, s.r.o. in Sabinov – significant expansion in welding and machining capacities.
- **2007 Launch of IMC Metal Service Centre** – opening material warehouse, trading in aluminum and other metal raw materials, wholesale metal services.
- **2008 Completion of assembly halls (3,000 m²)** – marking the shift of assembly from a supporting activity to a key area of focus.
- **2016 Creation of a standalone Electrical Assembly Department** – broadening the offering from mechanical manufacturing and servicing to include electrical assembly. Achieved UL certification for electrical work.
- **2022 Expansion of assembly facilities to 12,000 m²**. Production and assembly of complex machines and lines become the core focus of the company.
- **2023 Generational leadership change – MSc. Jaroslav Ďurkovský Jr.** takes over the company's management, beginning a new chapter while respecting founders' legacy.
- **2024 Extension of operations with new facility IMC – OSSIKO in the Czech Republic.**
- **2025 30th anniversary celebration.**



Investments

Gantry Milling Machine

The latest and largest machinery investment at IMC was commissioned in August 2025. It is also the largest machine in our equipment park, with a machining envelope of 12,000 × 3,000 × 2,000 mm.

- High-Dynamic Gantry Machining Center with Fixed Table and Vertical Spindle
- Construction: Moving gantry, fixed table in the XY axes, vertical ram (Z).
- Advantages: High rigidity, speed, precision, and easy access to the workpiece.
- High efficiency through the use of a dividing plane – eliminating setup times.
- Precision at large dimensions – the combination of size and accuracy (0.01 mm/m) is unique and ensures that even large workpieces are perfectly machined.
- Flexibility for complex shapes – suitable for intricate parts and structurally demanding workpieces, opening possibilities for customers with custom or specialized requirements.
- Table Dimensions: 3,000 × 12,000 mm
- Maximum Workpiece Height: 2,000 mm
- Table Load Capacity: 15 t/m²
- Automatic Universal Heads with Positioning Accuracy: 0.001°



Laser Cleaning

Laser cleaning is a modern technology in which a high-power laser beam selectively removes surface layers of material without mechanical contact.

- Effectively removes imperfections such as rust, scale, grease, and coatings.
- Ensures optimal conditions for cutting, welding, and other surface treatments.
- Eco-friendly and cost-efficient solution: the process is cleaner, environmentally friendly, and energy-efficient.
- Flexible application: suitable for sheets, profiles, and pipes of various diameters.
- This technology delivers higher-quality final products and increases the efficiency of manufacturing processes.
- The maximum material dimensions for laser cleaning are $30 \times 2,000 \times 4,000$ mm for sheets and $160 \times 160 \times 4,000$ mm for profiles.



Laser

A New Generation of Laser Technology in Our Production.

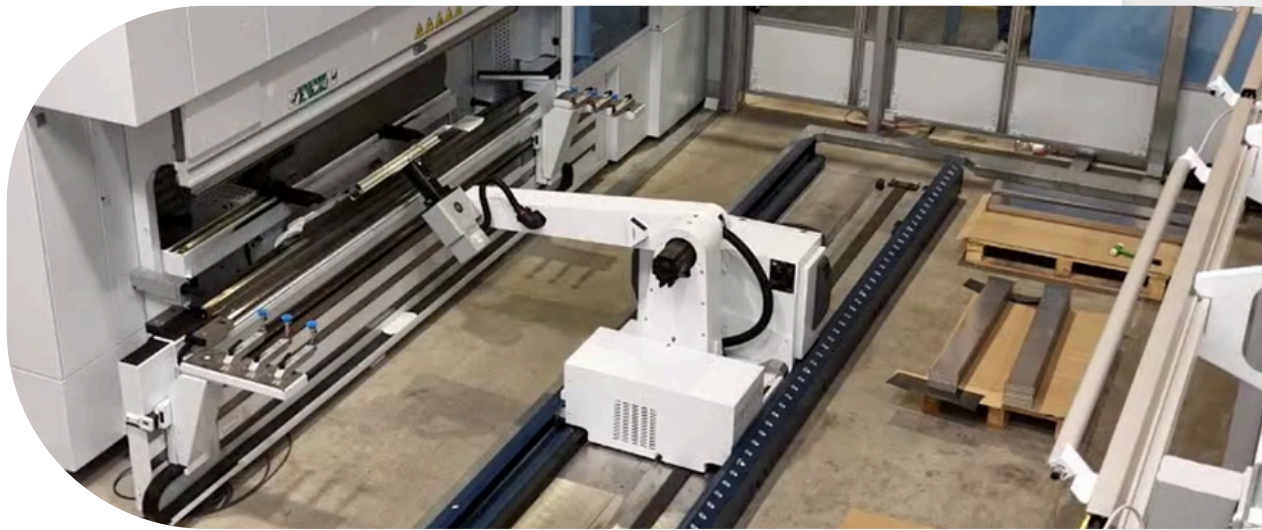
- A latest-generation laser has been added to our production park, representing a significant step toward higher cutting efficiency and quality. Thanks to the worktable dimensions of 4,000 × 2,000 mm, we are able to process large-format sheets with maximum precision.
- The new Fiber Laser is not only more powerful but also more environmentally friendly – compared to the previous CO₂ laser, it reduces gas consumption by 50–70%. Cutting speeds are additionally approximately 15–20% higher, resulting in more efficient production and shorter delivery times.
- Cutting quality is significantly improved, achieving thicknesses up to 18 mm without the need for additional grinding. Operator comfort is further enhanced by the output conveyor unit, which facilitates handling of finished products and improves workplace ergonomics.
- Our plans do not stop here – in 2026, we are preparing an investment in a storage tower, which will enable fully automated operation during the third shift. This step will elevate our technological capabilities to an even higher level and ensure greater production flexibility.



Bending Robot

The robot is equipped with software that enables automatic program generation based on a 3D model, extending its efficient use to small production batches (approximately 10 units).

- The maximum size of a bendable workpiece is 2,000 × 1,000 mm, with a maximum weight of 40 kg.
- This is a developmental and innovative technology with the potential to significantly increase productivity and efficiency in both small- and large-series production.



Deburring Machine

It is a new type of deburring machine that complements our existing technologies.

- It is capable of deburring even very small holes and also provides a specific surface finish.
- It is ideal for laser-cut perforated parts.
- Work area width: 1,300 mm; maximum material thickness: 25 mm.
- Highly suitable for achieving high edge and surface quality, which are essential for the pharmaceutical and food industries.



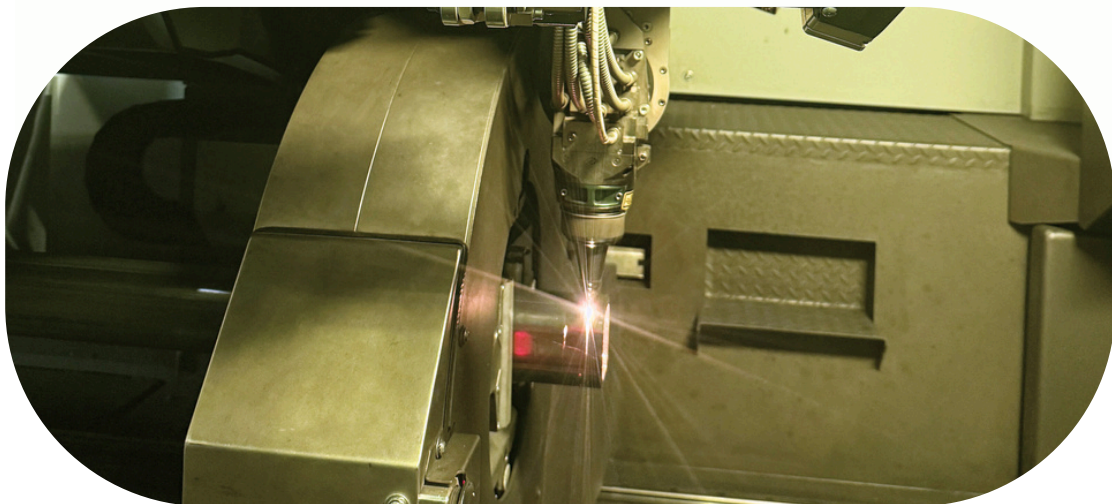
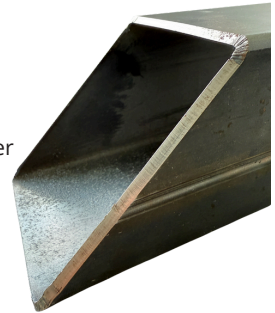
Sheet and Tube Processing Technologies

Laser Cutting

3D TUBE LASER

It is a modern laser technology designed for cutting tubes, profiles, and hollow materials, featuring three-dimensional movement of the cutting beam and enabling the cutting of tubes and profiles up to Ø 330 mm.

- Replaces conventional machines – the 3D tube laser eliminates the need for saws and other traditional equipment.
- Significantly faster processing – cutting tubes and profiles is up to 5× faster than with conventional technologies.
- High production accuracy – ensures consistent results even for demanding large-series projects.
- Edge bevel preparation – enables precise bevels at various angles directly for welding.
- Automated hole cutting – capable of accurately cutting holes, with plans to implement automatic thread cutting technology in the near future.



2D LASER

It is a modern laser technology designed for precise cutting of sheets and flat materials. The beam moves along two axes (X and Y), enabling fast and accurate processing of various shapes and holes. We operate two 2D laser cutting machines, one dedicated to steel and the other to stainless steel, in order to prevent contamination and achieve the level of cleanliness required by the pharmaceutical and food industries.

- We are capable of cutting sheets up to 4,000 × 2,000 mm in size and up to 25 mm in thickness.
- We continuously innovate our technologies with a focus on environmentally friendly production.
- We invest in supportive solutions that enhance workplace ergonomics and employee comfort.

Leveling

Leveling is performed using the most modern leveling equipment from the German company ARKU.

- Excellent results are ensured by the automatic regulation of machine height and gaps.
- This process guarantees high product quality and precision.
- We are able to level sheets up to 25 mm in thickness, including both steel and stainless steel.
- Sheet leveling represents a standard process in our production.

Punching

The punching technology enables the cutting of arbitrary shapes and holes, as well as embossing various forms into sheet metal components.

- We are capable of processing both simple and complex punch shapes, as well as producing punchings for serial manufacturing.
- The technology is fully automated, with the punching tool able to rotate the material into various positions.
- It is ideal for punching grids or repetitive shapes.
- In combination with our other machines, it ensures excellent flatness of the final products.



Bending

Modern CNC technologies enable us to optimize the bending process and guarantee bend accuracy up to 0.01°.

- They also allow us to bend components up to 5,100 mm in length and 12 mm in thickness.
- Thanks to robotic bending, we achieve high efficiency, especially in serial production starting from as few as 10 units.
- We are capable of bending even complex shapes, while eliminating tool marks on soft metals.



Metal Machining

Milling

Milling is a mechanical material machining process in which a rotating tool – the mill – moves over the workpiece surface and removes material in the form of chips. This process allows the creation of precise shapes, grooves, surfaces, slots, and profiles on metals.

- We specialize in precision metal machining using CNC milling machines and also operate conventional mills.
- Our machines enable both indexed and continuous 5-axis milling with an accuracy of 0.02 mm.
- In the field of milling, our company possesses a modern machine park that enables us to machine components of various sizes and shapes.
- Depending on the type of machine, we achieve the following maximum dimensions:
- Gantry Milling Machine: 12,000 × 3,000 × 2,000 mm
- Horizontal Milling Machine: 5,000 × 2,000 × 2,000 mm
- Vertical 5-Axis Milling Machine: 3,000 × 800 × 700 mm
- Vertical 3-Axis Milling Machine: 3,000 × 820 × 700 mm

Turning

Turning is a machining process in which the workpiece rotates around its axis while material is removed using cutting tools.

- For components requiring the highest quality, we use our CNC lathes with an accuracy of up to 0.01 mm.
- For simpler components, we operate our conventional lathes.
- IMC Slovakia has the following equipment:
- CNC Lathes: maximum workpiece diameter up to 500 mm and length up to 1,500 mm
- Vertical Lathe: maximum diameter 1,200 mm and length 700 mm
- 5-Axis Lathe: maximum diameter 400 mm and length 1,500 mm

For final finishing operations, we also use cylindrical grinding, achieving a maximum diameter of 120 mm and length of 1,000 mm, with an accuracy of 0.001 mm.

Grooving

Milling and keyway cutting are used in the production of internal shapes of punches, key slots in wheel hubs, and other engineering components.

- Grooving allows us to create a series of precise parallel grooves on shafts and hubs so that they fit together perfectly.
- This technology also enables the production of a large number of grooves, which is ideal for multi-key connections.
- We achieve flatness of up to 0.02 mm per meter of material, ensuring high accuracy and reliability of the connection.
- Continuous grooves for tight-fitting keys can be processed in the range of 4 to 40 mm.

Welding

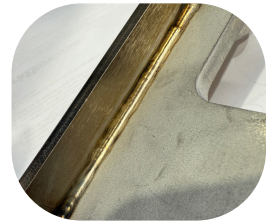
Throughout our company, we strictly separate the production of steel and stainless steel to prevent contamination and achieve the cleanliness required by the pharmaceutical and food industries.

Stainless Steel Welding (Highly Alloyed Austenitic Steels)

TIG Welding

TIG welding is a method in which an arc is struck between a tungsten, non-consumable electrode and the workpiece.

- Filler material in the form of a wire with a composition similar to the base material is gradually added to the molten weld pool.
- TIG welding is one of the most complex welding methods, yet it is highly versatile and allows us to achieve high-quality welds with excellent bead appearance up to approximately 3 mm in a single pass.
- We also utilize robotic welding, which is, however, limited to maximum dimensions of 1,500 × 1,500 × 1,500 mm and a weight of 5,000 kg.



Manual Laser Welding

Manual laser welding is an innovative welding method. In this process, the laser beam is generated in a resonator and guided through optical fibers to the torch, where it is focused using lenses and mirrors.

- The beam locally melts the welded metal, producing a very fine, visually appealing weld with good penetration.
- If necessary, filler material can be fed directly into the torch using a wire feeder.
- Laser welding is primarily used for thin sheets ranging from 0.5 mm to 3 mm.
- The advantages of this method include high speed, minimal deformation, and no need for additional grinding, as required by MIG, MAG, or TIG welding methods.



MIG Welding

MIG welding is a method of joining metals using an electric arc between a consumable electrode and the workpiece in a protective atmosphere of inert gas, most commonly argon.

- Filler material in the form of coiled wire is fed from the torch and melts directly into the weld.
- The resulting weld typically measures 3 to 6 mm in size.
- This welding method is fast, reliable, and produces high-quality welds.
- When performing MIG welding, we are limited by a maximum weld size of 10,000 × 5,000 × 3,500 mm and a weight of 10,000 kg.



Steel Welding

(Unalloyed and Low-Alloy Steels)

MAG Welding

This welding method is among the most widely used. MAG welding is performed in a protective atmosphere of active gas, usually a mixture of argon and carbon dioxide.

- The active gas not only prevents air from contacting the molten metal but also participates in the chemical reactions occurring in the weld pool.
- The welding technique for both MIG and MAG methods is the same; the only difference is the type of gas used. The ratio of the gas components affects the weld bead width, penetration, and overall weld quality.
- As with stainless steel welding, we utilize a robotic system, which is limited to maximum dimensions of 2,500 × 2,000 × 2,000 mm and a weight of 1,500 kg.

TIG Welding

The process operates in the same way as stainless steel welding, with the only difference being the use of filler material suitable for welding unalloyed steels.

Surface Treatment Technologies

Sandblasting

Mechanical surface cleaning using abrasive media in the form of sand or ceramic beads under high air pressure.

- It removes oxidation, contaminants, and residues from machining or welding.
- It creates a uniform matte surface without damaging the material.
- It improves coating adhesion and enhances aesthetic appearance.
- Dimensions: 2,000 × 2,000 × 5,000 mm.

Steel Sandblasting

Mechanical surface cleaning using abrasive media in the form of steel beads under high air pressure.

- It removes rust, old coatings, scale, and contaminants.
- It provides a clean, roughened surface ready for painting, welding, or further processing.
- It improves the durability and adhesion of surface treatments.
- We can perform sandblasting using either sand or steel beads.

Wet painting

Surface treatment by wet painting is a process in which a protective and decorative layer is applied to the material's surface. This wet painting increases resistance to corrosion, wear, and external influences, while also enhancing the aesthetic appearance of the product.

- Applications include metal, wood, plastic, glass, and other materials.
- Moreover, the treatment increases surface durability and resistance.
- During degreasing, we use environmentally friendly substances that are safe for both the environment and operators.
- We have our own paint mixing equipment, which allows precise color consistency and production flexibility.
- The standard thickness of the applied paint layer typically ranges from 90 to 100 µm, ensuring optimal protection and an aesthetic surface appearance.
- This thickness may vary according to the paint manufacturer's technical datasheet.



Powder coating

Powder coating allows us to apply a very thin yet highly wear- and abrasion-resistant layer of paint.

- Powder paint adheres to the surface of metal products through electrostatic forces.
- It is an environmentally friendly coating method that does not harm the environment or the health of operators.
- When applied without a primer, the thickness is approximately 60–80 µm.
- When applied with a primer, the thickness is 90–100 µm.



Metal Annealing

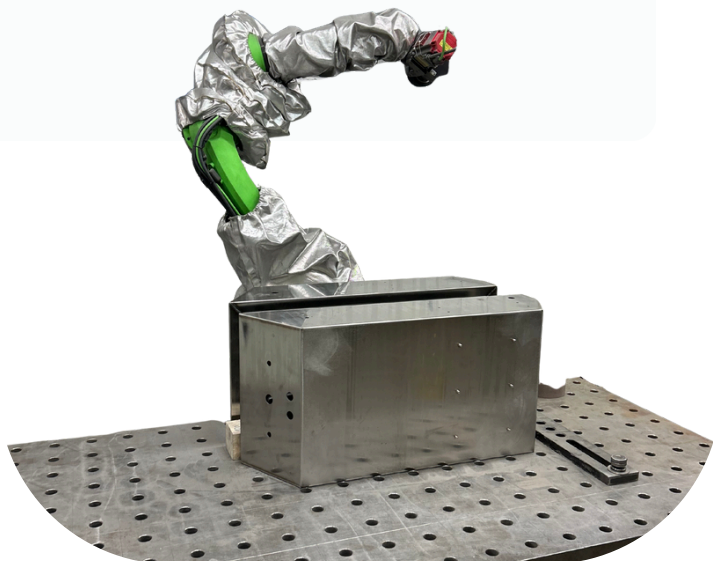
The annealing process is carried out in a closed furnace. This operation is performed exclusively by trained personnel.

- Annealing involves heating the material to a specific temperature or, conversely, cooling it down slowly.
- This process improves the properties of steel and cast iron, which is beneficial for subsequent processing.
- We have an in-house steel annealing furnace with maximum dimensions of 1,800 × 1,600 × 1,500 mm.
- In stationary annealing furnaces, we are capable of handling materials up to 7 meters in length.

Metal Grinding

Grinding is used to remove scale, round off edges, eliminate surface defects, and unify the surface of components.

- In surface grinding, we achieve various surface finishes, including polishing, grinding, and brushing.
- Three automatic grinding robots enable efficient production starting from batches of just 10 pieces.



Quality Control

For IMC Slovakia, quality means more than simply meeting customer requirements – it represents producing the right product correctly the first time, precisely according to the design documentation, in compliance with applicable standards, and with attention to every detail. At the same time, we ensure that each of our products is safe to use and reliable for long-term operation.

Metrology Center

3D Coordinate Measuring Machine

This is a high-performance, cost-effective coordinate measuring (contact) device, designed and manufactured based on extensive experience with CNC SMS technologies, operating in three axes.

- Measurement range: 3,000 × 1,200 × 1,000 mm
- Measurement accuracy: up to 0.0017 mm
- Features high precision, high speed, and high acceleration.
- Equipped with temperature sensors for compensating both the machine and the workpiece within 16°C to 26°C, as well as monitoring ambient temperature. Therefore, this device is located in an air-conditioned space maintained at a constant 20°C.

3D Measuring Arm

It is a 7-axis portable arm used as a portable coordinate measuring machine (CMM) for precise measurement of components using touch probes.

- It can be mounted on magnetic bases, vacuum fixtures, stands, or tripods.
- It measures with an accuracy of 0.01 mm and has a reach of 3,000 mm.

Optical Portable 3D Scanner

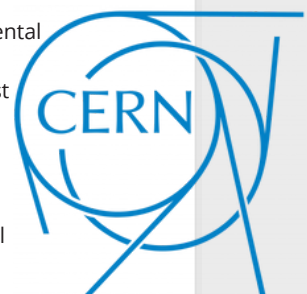
It operates with high resolution, providing fast and accurate three-dimensional measurement data.

- The core of this technology is the comparison of a 3D model of the component with the scanned component, resulting in a color deviation map.
- The scanner uses red and blue lasers for different measurement surface sizes and modes.
- Accuracy: 0.020 mm + 0.035 mm/m.

We are TÜV SÜD certified.

Our focus on quality and responsible approach to production is confirmed by the certifications we hold.

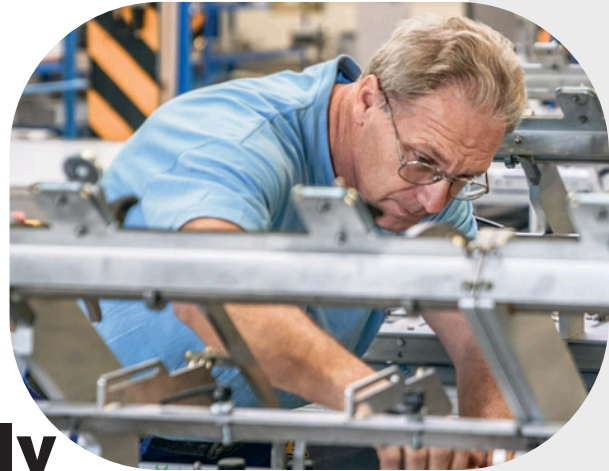
- We adhere to ISO 9001, which incorporates the requirements of the STN EN ISO 9001:2015 standard for the production and processing of metals, metal structures, and the manufacture and repair of machinery and equipment.
- We also hold the STN EN ISO 3834-2:2021 welding certificate – the highest level of quality requirements for fusion welding of metallic materials. This certificate confirms that we have implemented a comprehensive welding quality management system: from the qualification of welders and procedures, through material inspections, to final weld testing. As a result, we can guarantee our customers reliable, safe, and internationally recognized manufacturing standards.
- Additionally, we hold the STN EN ISO 14001:2015 certificate – an international standard for environmental management.
- Our expertise, precision, and professionalism are also recognized by the prestigious **CERN** – the largest European center for nuclear research, home to the world's largest particle accelerator (LHC – Large Hadron Collider).
- Collaboration with such a prominent institution confirms our ability to meet the highest technical and quality requirements.
- For our customers, this means they gain a partner who guarantees top-quality products, technological advancement, and maximum reliability – values that form the foundation of our long-term success.



Assembly

Our company specializes not only in the production of components but also in the comprehensive assembly of machinery.

- Drawing on our comprehensive expertise, we can deliver complete solutions, from mechanical systems to electrical installation and pneumatic-hydraulic systems.
- This service fully caters to your individual requirements.
- The assembly department is equipped with a testing facility for devices up to 170 kW.
- Our assembly halls cover 11 000 m², and the assembly spaces are continuously expanded and modernized.



Mechanical Assembly

We are experts in the assembly of complex machinery according to customer documentation.

- Our experience ranges from small assembly subunits to large-scale production lines – examples include can-drying ovens and food-processing ovens for pizza and donuts.

Electrical Assembly

We have established an electrical assembly department, which has successfully obtained certifications according to the European CE standard as well as the American UL standard, allowing us to certify the assembly of our own production lines and cabinets.

- This enables us to provide a complete service, from the procurement of electrical components, through the assembly of control panels and internal wiring of machines, to the final commissioning of inputs and outputs.
- IMC Slovakia is equipped with marking devices from Phoenix Contact and Weidmüller, ensuring a high standard of identification and labeling.

Pneumatic Assembly

In the field of food, pharmaceutical, and rubber-processing machinery, pneumatics play a key role in the critical functions of machines.

- We are therefore able to provide complete assembly of pneumatic systems, including testing and labeling of components according to customer requirements.

Hydraulic Assembly

Hydraulic systems are an indispensable part of machinery for heavy industry, where precise and slow movements are required.

- In this area, we have developed strong know-how and possess our own testing equipment, enabling us to thoroughly verify the functionality and quality of our work.
- We are certified by Bosch Rexroth.

I/O Testing

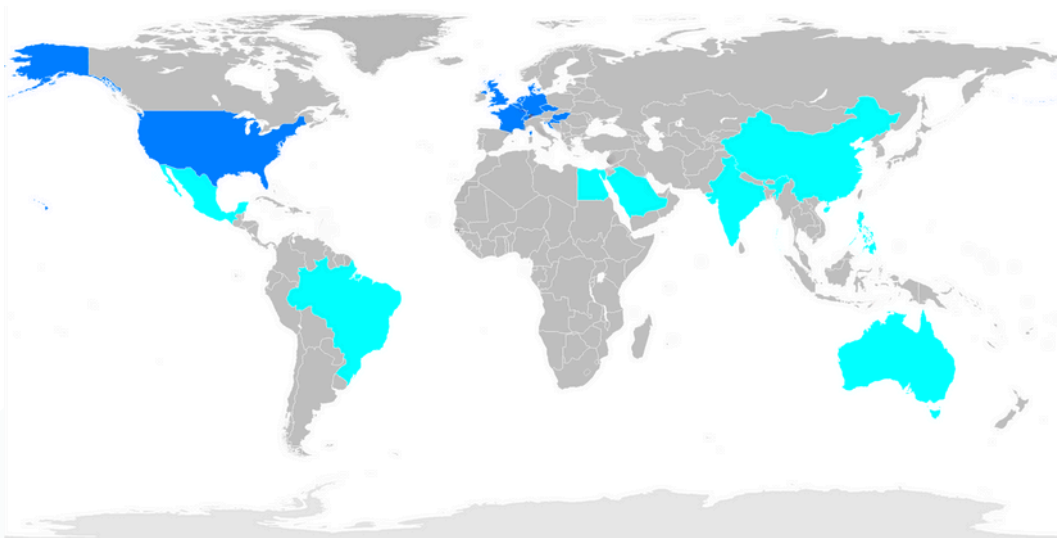
Upon completion of the electrical installation, we offer our customers an additional premium service: testing of inputs and outputs (I/O testing).

- As part of this process, the electrical cabinet is connected, and we systematically verify the correct functionality of all modules in both the main and auxiliary switchboards.
- The result is a device fully prepared for program upload and subsequent testing with the product.

Packaging and Transport

Our production is regularly exported to various countries around the world.

- We cooperate with long-term partners from Germany, the Netherlands, Switzerland, the Czech Republic, the United Kingdom, and France.
- A significant portion of our exports is also directed to the United States.
- In addition to these markets, our products are present in other European countries, and we always strive to ensure that our clients receive high-quality, precise delivery, and a personalized approach.



 Export
 Our Customers

We provide comprehensive customer service in the areas of packaging, shipping, and insurance, to any destination worldwide.

- We package goods in accordance with our internal packaging standards, as well as the most widely recognized and applied international packaging regulations, norms, and requirements.
- We are capable of packaging goods according to any specific customer requirements.
- We have extensive experience in shipping goods to all countries in Europe, China, India, Australia, Saudi Arabia, the Philippines, Brazil, Mexico, Egypt, and Morocco.

Value engineering

Design Department

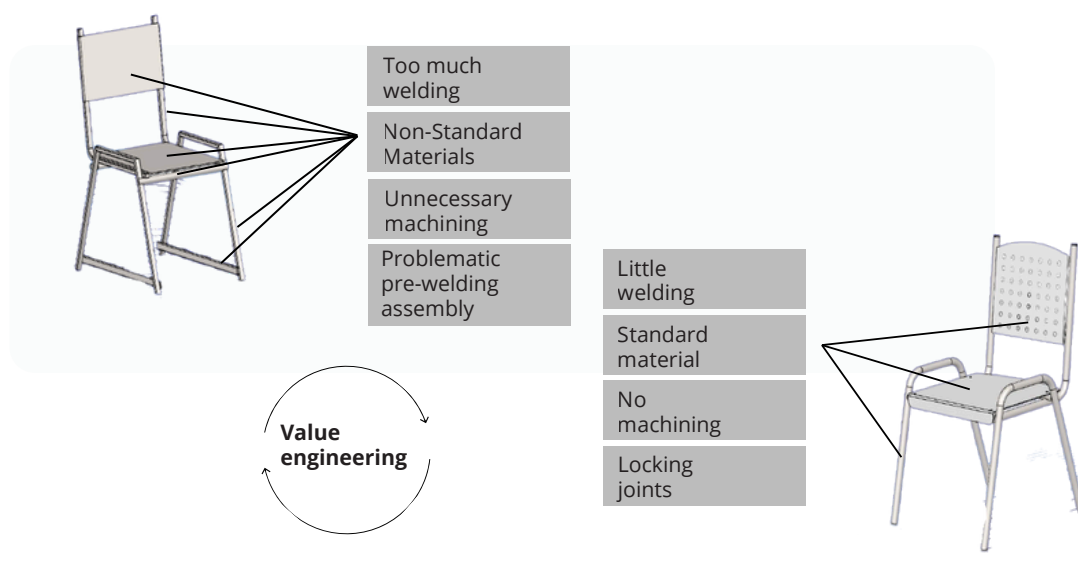
The Design Office is a department focused on product design and technical preparation for manufacturing.

- The primary tasks involve preparing technical documentation, 3D models, and detailed drawings.
- The role also covers assessing the technological feasibility of designs and ensuring their efficiency in production.
- Close collaboration with production teams is maintained throughout the implementation of prototypes and serial manufacturing.
- Modern CAD/CAM software (AUTODESK Inventor, 3Ds SolidWorks) and advanced digital tools are applied to deliver precise engineering solutions.
- In addition, responsibility extends to compliance with technical standards, quality requirements, and safety regulations.

Optimization

We monitor new technologies, analyze data, and identify ways to manufacture faster, more efficiently, and more economically.

- We apply optimization in economic, production, and material processes, thereby enhancing competitiveness and production quality.



The Right Machines for the Right Results

- When selecting technologies, we emphasize precision, performance, and sustainability.
- We choose machines and equipment that best suit the specific task and help achieve the optimal balance between cost and performance.

Employee Development

Employee Training

Training represents an important part of our company's development and an investment in the future of our employees.

- The purpose of the training is to provide employees with practical knowledge and skills that help them perform their work efficiently, improve workplace communication, and support both their personal and professional growth.

Welding School

Our company offers the opportunity to attend a welding school, which is also suitable for complete beginners.

- Under the guidance of experienced professionals, employees acquire practical skills that they can apply in production as well as in their further professional development..

Dual Education

It represents a modern way of connecting theory with practice and provides students with the opportunity to gain real work experience during their studies.

- Dual education in mechanical engineering – we cooperate with the Secondary Technical School of Mechanical Engineering in Považská Bystrica and offer students a unique opportunity to participate in dual education directly within our company.



Team-Building Activities

We believe that the success of a company is built on a well-functioning team.

- Therefore, we regularly organize team-building activities that help strengthen relationships, promote collaboration, and create a positive workplace atmosphere.

Company Trips

Every year, we organize company trips for our employees and their families.

- We have already visited Poland, Kutná Hora, Tuscany, Blansko, Venice, Hungary, and the Czech Republic.

Family Day

Events for employees and their families provide a great opportunity to strengthen relationships beyond the workplace.

- A family-friendly atmosphere is important to us – which is why we organize an annual Family Day, inviting our employees along with their loved ones to enjoy a day full of fun, relaxation, and shared experiences.



IMC

SLOVAKIA

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