

LETECH

INDUSTRY





Welcome to **LETECH INDUSTRY**

LETECH INDUSTRY, s.r.o.
is an engineering company that
places a high value on proficiency
and meeting the difficult technical
challenges with regard to the quality
and precision.

The company focuses on the
manufacture of the precision parts,
the gauges, the parts for the single-
purpose machines and equipment,
the spare parts for the production
lines, and the machine tool parts.

History



LETECH INDUSTRY was established in 2022 as a subsidiary of LETECH, s.r.o. continuing the tradition of a quality engineering production. With its dynamic progress and growth, the company has the production facilities and machinery at its disposal.

Our team uses software and engineering equipment to satisfy customers' requirements by taking an individual approach to each and every design solution.

Our goal is to continuously improve the quality of our products and provided services.

Among the important activities belong CNC and EDM machining. We also provide services such as lathe turning, grinding, various surface finishes and many other services depending on the customers' requirements.

Gradually, acquired references from the domestic market, as well as from other European countries, help us to assert ourselves and make our company known on international markets.

Main focus

**Custom Engineering
Production**

**Automation
Systems**

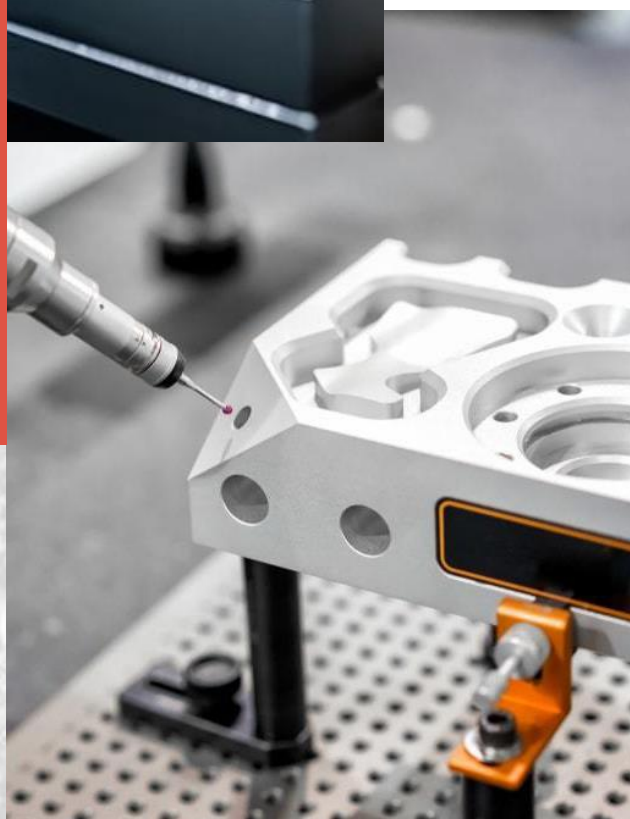
**Production and
Repair of Molds**

**Checking Fixtures and
Clamping Fixtures - Jigs**



The strength of LETECH INDUSTRY

- Custom engineering production
- Design and manufacture of checking, measuring and clamping fixtures – jigs
- Engineering and technical consulting
- Development, design and manufacture of machines and single-purpose equipment
- Manufacture, maintenance and repair of molds for injection machines
- Heat treatment and surface finish
- Precise 3D measurement for the control of the production accuracy





Checking and clamping fixtures - jigs

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- We specialize in the manufacture and the construction of the checking and clamping fixtures, with the focus on controlling of the intended specifications of the manufactured products in the various industries.
 - We have many years of experience in design of checking products and the optimization of the checking methods.
 - We guarantee MSA, repeatability and the functionality in our technical designs.
 - When implementing the technical solution for the design of the fixtures, we apply established methods of controlling or combinations of the methods. Eventually, we suggest optimal solutions in consultation with the customer.





Automation systems

- Emerging demands for safety, efficiency, quality and repeatability of the processes require the system solutions for the production.
- We provide a technical analysis of the requirements and demands for the design of the automated workstations and workplaces.
- By implementing the practical and functional principles of the mechanization and automation, we ensure a realization of the projects from a design to the implementation:
 - control systems for the production lines and conveyors
 - systems for collecting data from the production process
 - systems for verifying the position of assembly parts
 - visualization state of the production process
 - programmable measurement and control devices for mechanical, electrical and physical quantities
 - devices for automatic checking of the shape and dimensions of mechanical parts together with the correct wiring and functionality of the electronic parts.





Single-purpose machines and equipment

- We offer not only a design, technical solution or a production of the single-purpose machines and lines, but also the analysis of the production mechanisms and the suggestions for the improvement of the production process.
- Machines and production lines are designed to meet customers' requirements as efficiently as possible.





Repair of machines and equipment

- In our company we provide a complete maintenance and repair of the industrial molds, reconstruction of the machines and the equipment, repair of tools, etc.
 - We provide a design and the production of the injection molds for thermoplastics (up to 1 t size).
 - We provide a design and the production of grinding machines.
 - We provide a production of spare parts for the existing injection molds and tools.
 - We provide modifications, adjustments and repairs of the injection molds.



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Conveyor systems

- Belt conveyors
- Pallet conveyors
- Chain conveyors
- Hoist rails





CNC Milling



Haas VF-3 SS Super Speed/ 3-axis

Max. dimension of the workpiece in mm:	1 030x450x300
One clamping:	1 030x450x60
Max. weight:	1 588 kg



CNC Milling



Haas VF-4 / 3-axis

Max. dimension of the workpiece in mm:	1 200x450x330
One clamping:	1 200x450x60
Max. weight:	1588 kg



CNC Milling



Haas VF-7 / 3-axis

Max. dimension of the workpiece in mm:	1 500x630x500
One clamping:	1 500x630x60
Max. weight:	1814 kg

Haas VF-7 / 5-axis

Max. dimension of the workpiece in mm:	180x300x200
One clamping:	180x300x60
Max. weight:	1814 kg



Electrical discharge machining / EDM



CUT 300 Sp / Wire cutter

Max. dimension of the workpiece in mm:	1 200x700x400
Max. weight:	1500 kg



Electrical discharge machining / EDM



CUT 200 Sp / Wire cutter

Max. dimension of the workpiece in mm:	1 000x550x220
Max. weight:	750 kg



Electrical discharge machining / EDM



Form 30, Die Sinking EDM

Max. dimension of the workpiece in mm:	1 000x700x400
Max. weight:	1000 kg
Travel in X, Y, Z axes	550x 350x400



CNC turning



Lynx 2100

Max. machining diameter	Ø 450
Max. turning length	765



Grinding



Cylindrical Grinding Machine BERNARDO URS 500N

Max. weight of the
workpiece

450 kg



Grinding



Surface Grinding Machine BERNARDO BSG 4080 AHD

Max. weight of the
workpiece

500 kg



Heat treatment Blackening



Hardening chamber furnace PK 55/12

Max. workpiece dimension	400x550x250
Max. workpiece weight	150 kg
Max. product dimensions	500x300x260
Maximum weight	50 kg



Heat treatment Blackening



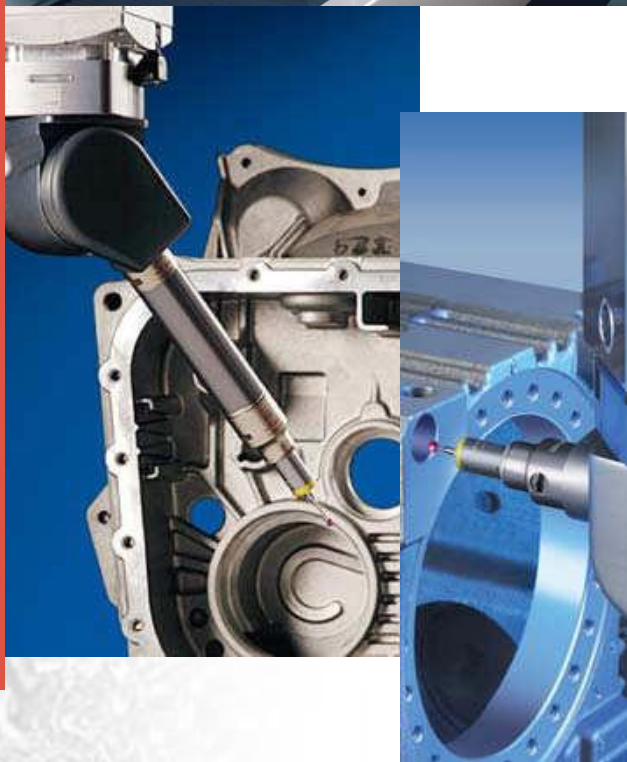
TEMPERING FURNACE PP270/65

Max. workpiece dimension	400x550x250
Max. workpiece weight	150 kg
Max. product dimensions	500x300x260
Maximum weight	50 kg



CMM measurement

- 3D CMM for parts and assemblies inspection
- Performing simple reverse engineering
- Controlled by PC-DMIS software
- Maximum deviation of $2.5+3,3L/1000$ μm (according to ISO/ČSN 10360 2)
- Measuring range XYZ-500x500x500 with TESASTAR M 5 probe head



Contact us



Production department

+ 421 910 925 299

+ 421 948 855 884

tech@letech.sk



Department of Metrology and Engineering

eng@letech.sk

Billing department

+ 421 948 855 885

info@letech.sk





INDUSTRIAL AND FACTORY PRESENTATION LETECH

Thank you

LETECH INDUSTRY, s.r.o.

Hurbanova 21, 921 01 Piešťany, Slovakia

+ 421 947 921 490

obchod@letech.sk

www.letech.sk

