



**Develop your
business with
our expertise
and precision**

Explore the
**PRODUCTS
& SERVICES**

Presentation 2025

Precision, expertise, and global partnerships

19 years of experience, and precision that will leave you breathless. Our expert services are also sought by clients from the USA, India, and other parts of the world. But MECASYS is much more than just machines and technology. First and foremost, we are a community.

MECASYS is a place of growth and collaboration. Our goal is to build a world-class company in Orava, whose products will even be used by organizations such as ESA and NASA. Our goals may be large, but we still value people and stick to our core values.

Location

The company's headquarters are located in the northernmost village of Slovakia.

Certification

Our commitment to quality and environmental responsibility is demonstrated through our certifications. We adhere to the QMS EN ISO 9001:2008 standard, ensuring the highest quality management, and the EMS EN ISO 14001:2004 standard, reflecting our dedication to environmental sustainability.

Founded: 2005

We founded MECASYS when we were still assistants at university. However, through hard work, reliability, and quality service, we made rapid progress.

Turnover

Consistent turnover even in challenging years: Our results for 2022 and 2023 demonstrate steady growth with an annual turnover of €2,600,000 in 2022 and €2,700,000 in 2023

Products

Precision components & assemblies
Metrology & fixing gages
Automatic workstation & production line
Mould & cutting tools

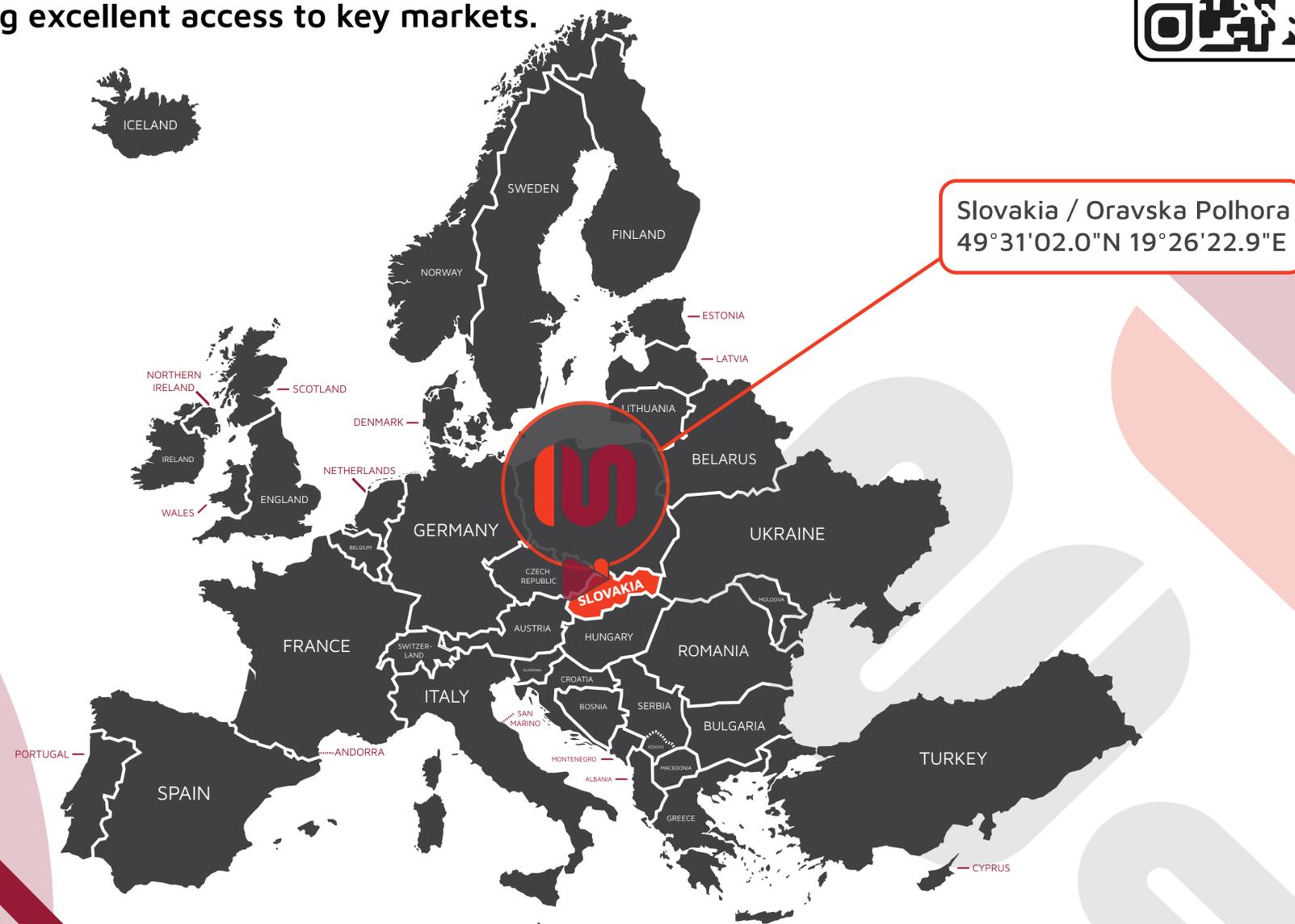


General
Company
OVERVIEW



Company location in Oravska Polhora, Slovakia

Our company is strategically located in the heart of Europe,
providing excellent access to key markets.



MECASYS
Production Hall
in Slovakia



The company's headquarters is located in the northernmost village of Slovakia. This location offers strategic logistical advantages, connecting us to key European markets and enabling efficient service to both local and global clients.

Innovative solutions and opportunities for collaboration

01

Research & Development

At the heart of our innovation process, we drive new technologies and solutions that meet the evolving needs of our clients.

Repair Tools

Yanfeng, Bourbon, Continental, Schaeffler, MAHLE, ...

02

03

Industrial Devices & Automation

Yanfeng, HELLA Lighting, ZKW Group MAHLE, ...

04

Industrial Fixtures & Measurement Gages

Yanfeng, HELLA Lighting, ZKW Group, Eurostyle, MAHLE, ...

05

High Precision & OEM Components (Grinding, Turning, Milling, ...)

Honeywell, Specac, HERN, HASCO, Continental, MAHLE, Meopta, ...



MECASYS offers extensive expertise in product development and collaborative opportunities. From research and development to industrial devices and automation, we provide comprehensive solutions that enhance efficiency and foster innovation.

Our focus includes precision tools, fixtures, and high-quality OEM components, ensuring top-level performance for our partners.



Product
& Potential
COOPERATION

High precision machining and services



MECASYS delivers precise solutions with top-tier quality control. The next two slides provide an overview of our machining capabilities, supported by advanced measurement systems to ensure high precision, reliability, and quality.

The table on these two slides highlights our multi-axis milling, Turn & Mill operations, and EDM technologies, demonstrating the efficiency and precision of our equipment across various production processes.

Advanced MACHINING Capabilities

	OPERATION	MACHINES	MANUFACTURER	CAPACITY
01	3-Axis Milling	MCV 1400 QUICK, MCV 1016 QUICK, VMC 1040	KOVOSVIT MAS, KOPRETINA TN	1 000 hours per month
02	7-Axis Turn & Mill	Miyano BNA-42MSY2, NLX2500SY/700	CITIZEN, DMG MORI	400 hours per month
03	4-Axis Turn & Mill	CTX beta 800	DMG MORI	400 hours per month
04	4-Axis EDM CUT	ROBOCUT α-C600iC	FANUC	300 hours per month
05	4-Axis EDM die SINKING	EDM 313	exeron	300 hours per month
06	CNC surface & profile grinding	Z 35	ZIERSCH	300 hours per month

07

5-Axis
Milling

HERMLE C 42 U, C
400 U, C 250 U

HERMLE AG

1 200 hours per
month

08

10-Axis
Turn & Mill

Cincom M32-5M8

CITIZEN

400 hours per
month

09

CNC cylindrical
& profile
grinding

ZR 1000

ZIERSCH

300 hours per
month

10

5-Axis CMM

PIONEER, GLOBAL S

Hexagon

400 hours per
month



Expert solutions in advanced automation, precision engineering, and innovative design

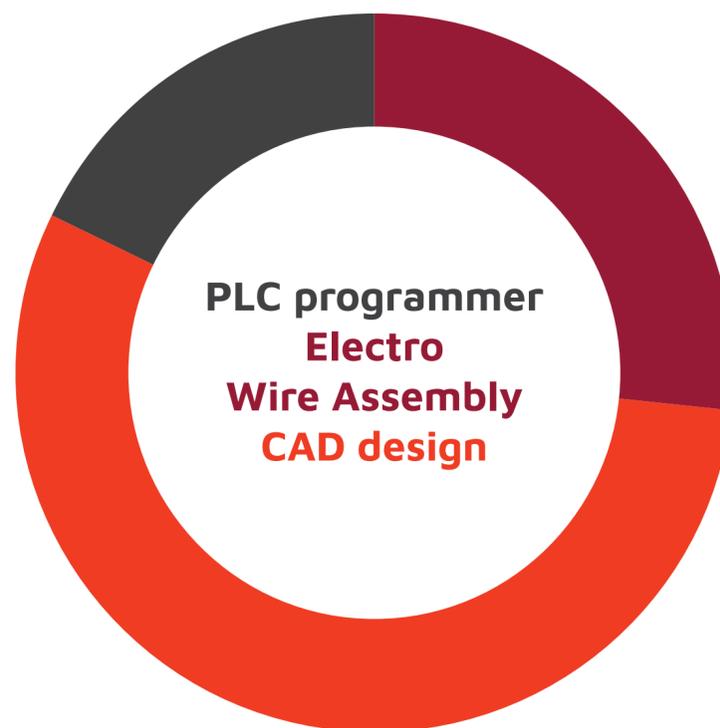
MECASYS specializes in PLC programming, electrical wiring, and CAD design for automation systems. With expertise in CAD/CAM, we create optimized mechanical designs and control panels for industrial machinery. Our advanced production capabilities ensure improved efficiency and precision in all stages of operation.

PLC programming at MECASYS focuses on optimizing industrial processes using programmable logic controllers. By partnering with leading brands, we deliver precise automation control that seamlessly integrates into various machines and systems. Our team tailors each solution to the specific production environment, enhancing both performance and reliability. Whether you are looking to manage complex production lines or individual machinery, our scalable solutions can help minimize downtime and boost productivity through efficient programming. We are ready to work with you to customize your automation needs.

MECASYS also specializes in precise electrical wiring for industrial machinery. We design and implement advanced wiring systems that ensure safety, efficiency, and reliable operation. Our wiring solutions, which connect control panels, sensors, and other components, ensure seamless communication throughout your machinery. We follow strict safety and performance standards to guarantee smooth operations and prevent costly malfunctions. Should your project require reliable electrical integration, we are here to provide the expertise you need.

At MECASYS, CAD design plays a vital role in the development of mechanical and electrical components for automation systems. Using state-of-the-art CAD tools, our engineers create highly accurate designs that optimize the functionality and efficiency of automated machinery. Whether it's mechanical parts or electrical systems, our tailored designs ensure precision and efficiency for industrial applications. If you are seeking optimized solutions for your machinery, we are prepared to deliver customized designs that meet your specific requirements.

Comprehensive
AUTOMATION
& Design Solutions

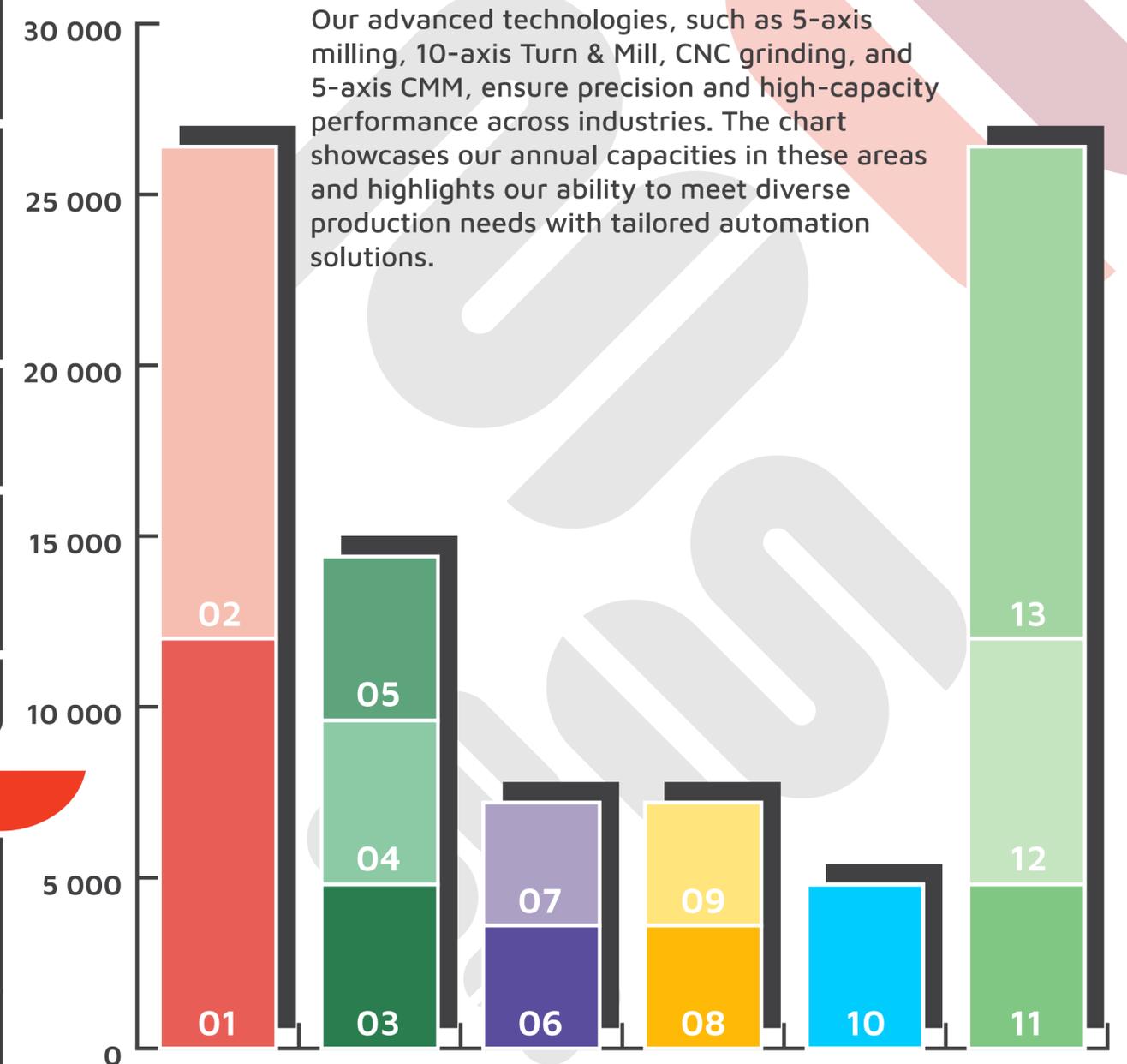


Summarizing Machining & Automation Capabilities



CATEGORY	OPERATION	MANUFACTURER / MACHINES	PART DIMENSION	WEIGHT
Milling	01 3AX Milling	KOVOSVIT MAS / MCV 1400 QUICK	1 400 x 800 x 600 mm	1 250 kg
		KOVOSVIT MAS / MCV 1016 QUICK	1 600 x 1 000 x 600 mm	700 kg
		KOPRETINA TN / VMC 1040	1 000 x 800 x 500 mm	800 kg
	02 5AX Milling	HERMLE / C 42	1 400 x 800 x 600 mm	1 000 kg
		HERMLE / C 250	1 600 x 1 000 x 600 mm	1 500 kg
		HERMLE / C 400	1 000 x 800 x 500 mm	800 kg
Turn & Mill	03 4AX Turn & Mill	DMG MORI / CTX beta 800	Ø 340 x L 735 mm	-
	04 7AX Turn & Mill	CITIZEN Miyano BNA-42MSY2	SP1: Ø 42 x 100 mm SP2: Ø 42 x 100 mm	-
		DMG MORI / NLX 2500	Ø 366 x L 705 mm	350 kg
05 10AX Turn & Mill	CITIZEN / Cincom M32-5M8	Ø 32 x 500 mm / 1 chucking, Ø 32 x 145 mm back spindle	1 000 kg	
EDM technologies	06 4AX EDM CUT	FANUC / ROBOCUT α-C600iC	1 050 x 820 x 300 mm	1 000 kg
	07 4AX EDM die SINKING	exeron / EDM 313	620 x 420 x 400 mm	1 500 kg
Grinding	08 CNC surface & profile grinding	ZIERSCH / Z 35	500 x 350 mm	500 kg
	09 CNC cylindrical & profile grinding	ZIERSCH / ZR 1000	300 x 1 000 mm	150 kg
CMM	10 5AX 2D-3D CMM	Hexagon / PIONEER	1 200 x 800 x 600 mm	1 000 kg
		Hexagon / GLOBAL S	2 200 x 1 200 x 1 000 mm	2 250 kg

CATEGORY	SERVICE TYPE	AUTOMATION & CONTROL SOLUTIONS	DESCRIPTION
Services	11 PLC Programming	Siemens (TIA portal (V13-V17)) Schneider (EcoStruxure Control Expert) ABB (RobotStudio, RobotWare) KUKA (KUKA.WorkVisual, KUKA.Sim)	Custom automation solutions for machinery and production lines
	12 Electro Wire Assembly	EPLAN Electric P8	Precision wiring and electrical assemblies
	13 CAD Design	CAD Software (SOLIDWORKS)	2D/3D design and modeling for components



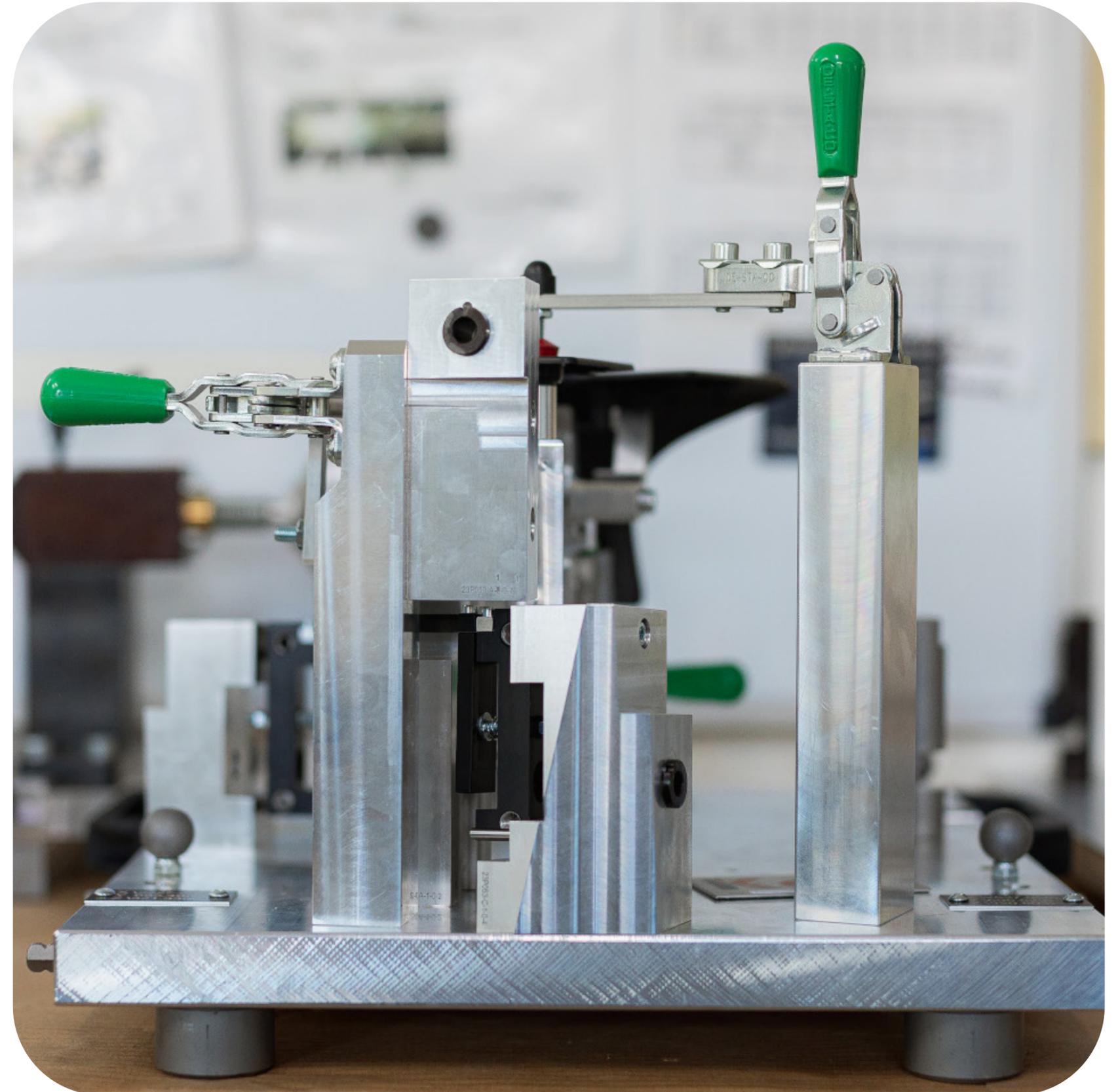
Our advanced technologies, such as 5-axis milling, 10-axis Turn & Mill, CNC grinding, and 5-axis CMM, ensure precision and high-capacity performance across industries. The chart showcases our annual capacities in these areas and highlights our ability to meet diverse production needs with tailored automation solutions.



Optimizing with fixtures and gauges for quality control

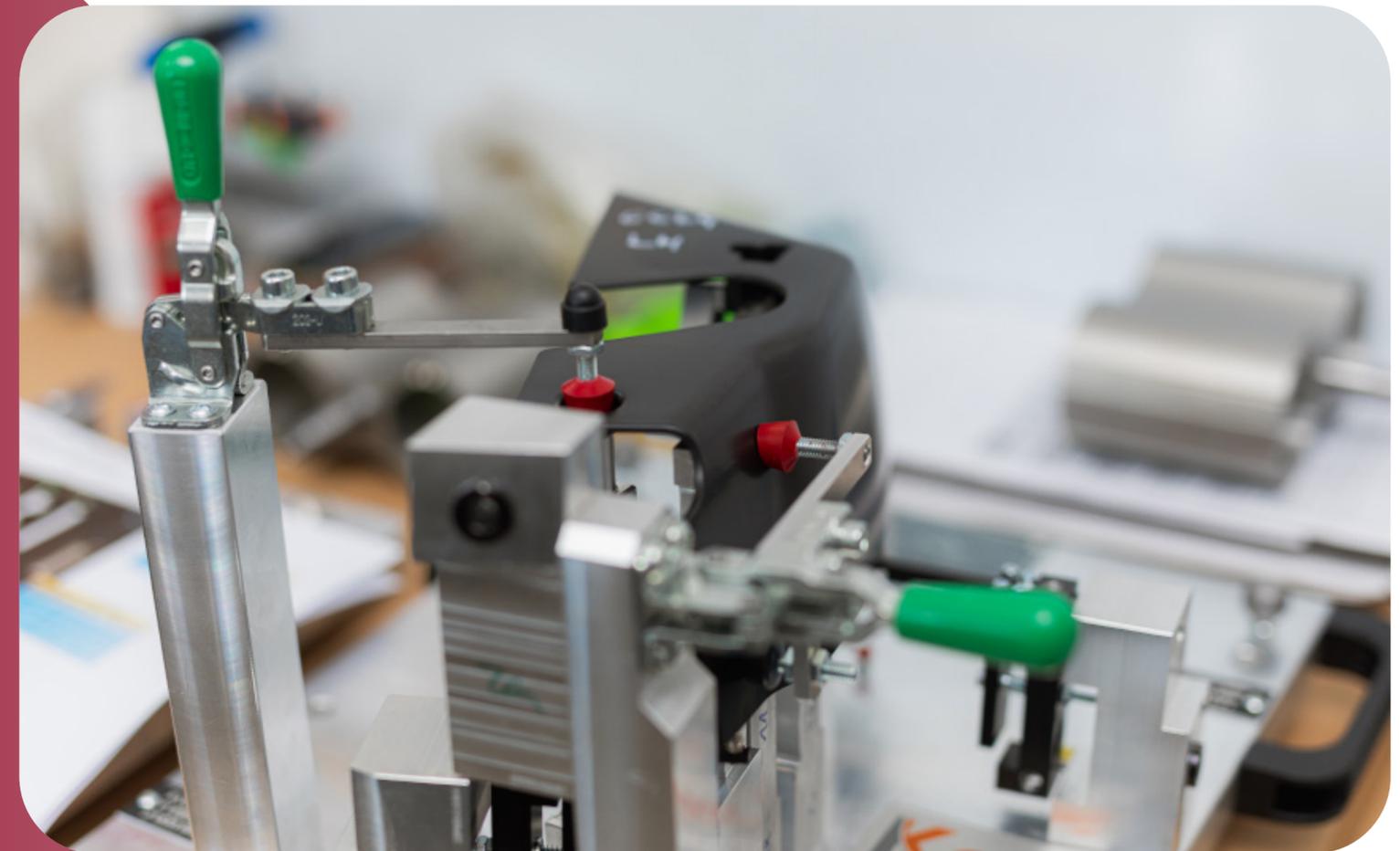
Fixtures and gauges are critical to ensuring precision and operational efficiency in manufacturing, with MECASYS providing tailored, high-quality solutions to meet the specialized demands of our clients.

MECASYS specializes in the production of high-quality fixtures and gauges for various industries, ensuring precision and consistency for our clients. Our custom-designed fixtures hold and support workpieces during manufacturing, minimizing errors and improving efficiency in their production processes. We also provide advanced gauges that verify dimensional accuracy, ensuring that our customers' components meet the strictest specifications. By manufacturing these essential tools, MECASYS helps other companies optimize their processes and maintain the highest standards of quality.



**Manufacturing
Precision
FIXTURES & GAUGES**

Manufacturing precision fixtures and gauges for client needs

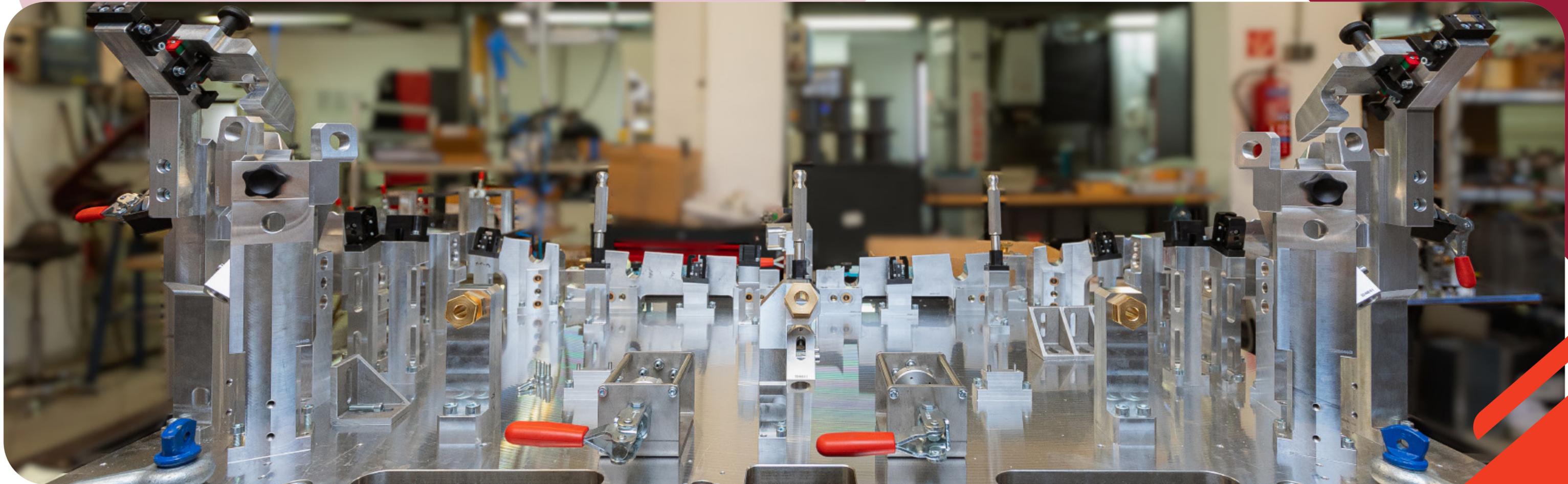


MECASYS provides a comprehensive range of industrial fixtures and gauges, supporting processes such as fixture assembly, welding, milling, hydraulic, and pneumatic operations. With our expertise in CAD design, we offer custom solutions to meet the high-capacity demands of our clients, ensuring precision and efficiency in production.





We have extensive experience in designing and manufacturing fixtures for clients worldwide. Our clients consistently return, valuing both our expertise and the reliability of our final solutions.



Comprehensive automation solutions

We design, manufacture, and implement automated systems, including assembly and production lines, single-purpose devices, and specialized systems for inspection, measurement, and adjustment. We also provide robotic workstations for measurement, welding, handling, palletizing, and grinding.

Industrial devices & **AUTOMATION**

Delivering innovative automation solutions that optimize your production processes, enhance precision, and increase efficiency. With years of expertise, we provide tailored systems designed to meet the specific needs of your industry.

Your needs. Our expertise.





Scan the QR code for quick access to the CEO's contact details. All necessary information is available for any inquiries or potential collaboration.

At MECASYS, we specialize in providing high-precision components, measurement fixtures, and innovative automation solutions. Our expertise in designing, manufacturing, and implementing advanced systems allows us to enhance your production capabilities and meet the specific needs of industries such as automotive, aerospace, and more.

We look forward to working with you to achieve excellence!

**Thank you
for your attention!**

Feel free to contact us
with any questions.



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