

Article Overview

Gas chromatography analyzers in Croatia are available from leading suppliers like Shimadzu, AstrinexLab, and APT Srl, offering systems for laboratory, industrial, and environmental applications.

Key Suppliers and Systems

Shimadzu Croatia offers a wide range of GC systems, from compact, cost-effective models like the Brevis GC-2050 to high-end flagship systems such as the Nexis GC-2030 and Nexis GC-2060. These systems provide high sensitivity, reproducibility, and support for both capillary and packed columns, suitable for pharmaceuticals, petrochemicals, environmental monitoring, and food safety analysis. Shimadzu emphasizes modularity, automation, and compliance with regulated laboratory standards. AstrinexLab serves as a regional distributor for Croatia, providing chromatography columns, accessories, and full support for GC systems. They also offer instruments for pycnometry, gas and vapor adsorption, and lab-scale reactor systems. AstrinexLab collaborates with research institutions like the University of Split to provide training and applied laboratory workshops. APT Srl supplies gas chromatographs for industrial and laboratory applications, including natural gas analysis, total hydrocarbons, sulfur content, and oxygen analyzers. Their product range includes rugged detectors like PLGC 3 and FID-based analyzers, suitable for both process control and research purposes.

Supporting Gases and Calibration

High-purity gases and calibration mixtures are essential for accurate GC analysis. Messer Croatia provides a wide range of carrier, detector, and calibration gases tailored to the sensitivity of different GC detectors. They also offer certified calibration gases compliant with EN ISO/IEC 17025 and EN ISO 17034 standards, ensuring reliable and reproducible results.

Considerations for Choosing a GC System

When selecting a gas chromatograph in Croatia, consider:

- o Sample type and complexity: Volatile liquids, gases, or complex mixtures.
- o Required sensitivity and detection limits: High-end systems for trace analysis versus routine monitoring.
- o Throughput and automation needs: High-throughput labs may benefit from Nexis GC-2060 or similar systems.
- o Support and maintenance: Availability of local service, training, and calibration support from distributors like AstrinexLab or Shimadzu Croatia.

Summary

Croatia offers a robust selection of gas chromatography analyzers for diverse applications, supported by local distributors and suppliers. Shimadzu provides advanced laboratory systems, AstrinexLab offers regional support and accessories, APT Srl covers industrial applications, and Messer ensures high-quality gases and calibration standards. Together, these resources enable laboratories and industries in Croatia to perform accurate, reliable, and compliant GC analyses.

Shimadzu's GC systems provide precise, efficient gas chromatography solutions for diverse applications, ensuring high performance

Gas analyzers, GC systems, GC-MS systems, and other instruments of various configurations for use with gas chromatography

A State-of-the-Art Gas Chromatograph (GC) to Help Streamline Plant Operations The Process Gas Chromatograph GC8000 is a

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In this article, we take a look at what gas chromatography is, how it works and how to

But what makes gas chromatography analyzers the ultimate problem solvers for these

Gas chromatography is widely used to analyze mixtures of gaseous or volatile liquid substances. A large number of carrier, operating

Gas chromatography, in analytical chemistry, technique for separating chemical substances in which the sample is

A gas chromatograph (GC) is an analytical instrument that measures the content of various components in a sample. The analysis

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Hydrocarbon Processing Analysis Our GC analyzers were engineered to meet the demanding requirements of a 24/7/365 operation

Browse Shimadzu's range of gas chromatograph (GC) systems below, from cost-effective, compact models to



Croatian Gas Chromatography Analyzer

the flagship Nexis GC

About us AGC Instruments is a leading European manufacturer of Gas Chromatograph & Gas Analyser

A gas chromatograph (GC) is an analytical instrument used to measure the content of different

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