

COMPANY PROFILE

Shimadzu Europa

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Company description

Shimadzu is one of the worldwide leading manufacturers of analytical instrumentation. Its equipment and system solutions are used as essential tools for quality control of consumer goods and articles of daily use, in health care as well as in all areas of environmental and consumer protection. For more than 140 years, Shimadzu has been providing Excellence in Science ensuring precise, reliable diagnoses and analyses in medicine, chemistry and pharmacy. In 1934, Shimadzu developed Japan's first spectrophotometer was presented in 1952. These events were followed by numerous other world premières, such as capillary electrophoresis on a single chip in 2000. In 2002, the Shimadzu engineer Koichi Tanaka was awarded the Nobel Prize for Chemistry. Spectroscopy, chromatography, environmental analysis, balances, biotechnology and material testing make up a homogeneous yet versatile offering to serve individual needs. Shimadzu has become the only supplier of the whole range of analytical instruments whose product offering has grown constantly. At the same time, Shimadzu is the market- or technological leader in almost all areas. Shimadzu is focused on top quality when developing products, including ease of operation, optimum service and an impressive cost/performance

ratio. As a global player, Shimadzu operates production facilities and distribution centers in 74 countries, with more than 11,000 employees worldwide. For over 50 years, the European headquarters has been located in Germany. There, Shimadzu inaugurated in 2013 its outperforming training and testing facilities, Laboratory World, for customers from all over Europe. With over 1500 m² floor space, Shimadzu showcases its entire product range for testing and customer demonstrations—from chromatographs, spectrophotometers, TOC analysers, mass spectrometers and balances to material testing machines. In addition, laboratory space for application development and seminar facilities have been expanded.

Customer support on a global scale

From the very beginning, Shimadzu has been involved in the development of analytical methods related to European regulations and following guidelines which focus on environmental protection, food safety and more. The common goal is to avoid contamination of air, water and soil in order to protect the health and safety of the European population. This is achieved by defining limits of maximum allowable concentrations of hazardous substances. Recent examples are the European Drinking Water regula-



tion, and the numerous standards and guidelines for controlling food and food packaging. In all of these applications it is essential to provide the right "tool sets" in order to support the accurate monitoring of harmful substances (such as mercury, cadmium and lead). These tool sets consist of one or more analytical systems. Elemental analysis is obviously the most important tool for quantitative analysis and requires precise systems such as X-ray fluorescence, ICP-OES/ICP-MS and atomic absorption spectrometers, e.g. the EDX-7000P/8100P, ICPE-9800 series, ICPMS-2030 and the AA-7000 series. These instruments can detect trace concentrations of hazardous components.

Market leader in UV-VIS-NIR spectroscopy

More than half a century after the release of the first spectrometer in 1952, over 170,000 UV-Vis spectrometers have been installed world-wide, such as the UV-1900i and UV-2600i/2700i series featuring highest absorbance levels and ultra low stray light using Lo-Ray-Ligh[®] diffraction gratings. With three detectors the UV-3600i Plus is optimized for UV, Vis, and NIR spectral range. In the infrared range, the space efficient IRSpirit is available with IR Pilot software for easy operation. The IRAffinity-1S and the IRTracer-100 FTIR spectrometer with outstanding sensitivity are used with the powerful LabSolutions IR software including 12,000 spectra for specific identification of analytes. In combination with the AIM-9000 Infrared Microscope, the study and identification of micro samples has also become possible, even for novice users. A new standard in fluorescence spectroscopy has been set with the RF-6000 spectrofluorophotometer.

Shimadzu offers state-of-the-art hardware and software solutions for accurate determination of samples in a wide range of application segments. The company provides the expertise and know-how of a market leader in analytical instruments.

www.spectroscopyeurope.com



UV-VIS Spectrophotometer UV-1900i



Push the limits

With its new features, the UV-1900i spectrophotometer pushes the limits of UV-Vis analysis applications. It integrates 'Analytical Intelligence' automated support functions utilizing digital technology, such as M2M, IoT, and Artificial Intelligence (AI) that enable higher productivity, maximum reliability and better connectivity. Several measurement modes and accessories support a wide range of measurements in food, pharmaceutical, life sciences and chemical markets' labs.

High-accuracy quantitative analysis featuring high resolution and high sensitivity based on the patented LO-RAY-LIGH technology

The industry's fastest scan functions providing measurement within three seconds and following even fast chemical reactions

Easy-to-use operability for fast complete analysis through color touch panel with large and intuitive icons

Compliant with advanced regulations through LabSolution DB and CS software supporting FDA 21 CFR Part 11, GMP and more



www.shimadzu.eu/push-the-limits