

LIBS spectrometry for the analysis of the chemical composition of materials

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LIBS (Laser-Induced Breakdown Spectroscopy) allows to measure the concentration of major and trace elements in solid, liquid, or air samples. LIBS technology has the advantage of adapting the research to any situation, from online measurements in an industrial environment to analyses in the laboratory.

LIBS technology is designed to meet detection and analysis needs in a wide variety of fields, such as the analysis of metals, metal alloys, rocks, archeology and construction materials. The method has proven itself well in the research of cement, glass, polymers, ceramics, semiconductor materials, etc. The advantages of LIBS are that the analysis is fast and requires no sample preparation. LIBS is sensitive to light elements including H, Li and Be.

The LIBS method is an excellent tool for quantitative and qualitative determination of the elemental composition of materials.

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Topics

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