

Laser-Induced Breakdown Spectroscopy (LIBS) Trends: Market Research Report

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Abstracts

LIBS (laser-induced breakdown spectroscopy), also referred to as LSS (laser spark spectrometry) or LIPS (laser-induced plasma spectrometry), is an advanced analytical technology based on atomic emission spectroscopy for simultaneous multi-elemental analysis, which involves material detection as well as characterization in real time.

The report analyzes and presents an overview of LIBS (laser-induced breakdown spectroscopy) market worldwide. The report provides a review of market trends, working, benefits, Shortcomings, application in selected end-use segments for LIBS. The report highlights on various strategic industry activities of major companies witnessed by the industry over the last few years. In addition, 23 companies operating in the LIBS (laser-induced breakdown spectroscopy) arena worldwide including Applied Photonics Ltd., B&W Tek Inc., Firestar Technologies, TSI Inc., and others are profiled.

Contents

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LIBS - Applications in Select End-Use Segments
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Artworks
Quantitative Determination of Platinum
Inorganic Compounds
Analysis of Lead Content in Kohl
Detection of Helium in Gas Mixtures
Quantitative Analysis of Nutrients
Environmental Sciences
Pharmaceuticals
Polymer Detection
Bio-Ceramics
Oxygen Concentration Determination
Vegetal Tissue Evaluation
Heavy Metal Ion Detection
Trace Element Measurement
Soil Analysis
Detection of Chloride Content
Oceanography
Others

2. RECENT INDUSTRY ACTIVITY

SonicSampDrill Develops Ore Selector System
TSI Launches ChemReveal LIBS Desktop Analyzer
B&W Tek Expands Exemplar Smart Spectrometer Platform
B&W Tek Rolls Out Exemplar Spectrometer
TSI Takes Over LIBS Technology and Product Portfolio of Photon Machines

3. MARKET PARTICIPANTS

Applied Photonics Ltd. (UK)
Applied Spectra, Inc. (USA)
Avantes BV (The Netherlands)
B&W Tek, Inc. (USA)
Energy Research Company (ERCO) (USA)
Firestar Technologies (USA)
IVEA Solution (France)
Laser Consult Kft. (Hungary)
LTB Lasertechnik Berlin GmbH (Germany)
Ocean Optics, Inc. (USA)
P&P Optica (Canada)
Pharma Laser (Canada)
Photon Etc, Inc. (Canada)
Photon Machines, Inc. (USA)
Photonic Solutions Ltd. (UK)
Princeton Instruments (USA)
Progression, Inc. (USA)
Rap. ID Particle Systems GmbH (Germany)
SECOPTA GmbH (Germany)
SENSE Electronic Technology Co. , Ltd. (China)
Spectrecology LLC (USA)
StellarNet, Inc. (USA)
TSI, Inc. (USA)

4. APPENDIX

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