Laser Processing Market Analysis by Product, by Process, by Application and Segment Forecasts to 2020

Description:

Laser Processing Market Analysis By Product (Gas Lasers, Solid-State Lasers, Fiber Lasers), By Process (Material Processing, Marking & Engraving, Micro-processing), By Application (Automotive, Aerospace, OEMs, Electronics & Microelectronics, Medical, Packaging) And Segment Forecasts To 2020

Increasing implementation of high-cost laser drilling in oil and gas exploration fields is expected to replace conventional techniques. As a result, reducing the drilling costs can make the uneconomic oil deposits commercially viable, which may favorably impact the laser processing market. Benefits of using laser technology over conventional material processing technologies are expected to drive the laser processing market over the forecast period. Growing demand for laser processing in industrial solar module and rising applications in medical devices and surgeries are also estimated to be key market drivers. Increasing environmental concerns due to mining issues could pose a challenge to market growth.

Further key findings from the study suggest:

- Gas lasers accounted for over 50% of the market in 2013 and are expected to remain the dominant segment over the forecast period. This can mainly be attributed to the abundance of active materials and low cost.
- Fiber lasers are expected to be a high growth segment over the forecast period. This is a result of the growing use of fiber lasers in electronics, automotive and manufacturing industries. Increasing production capacity, emergence of eco-friendly technologies and increasing collaboration are expected to drive the fiber lasers global demand.
- Material processing is expected to be the dominant segment accounting for majority of the overall market share in 2013. Growing use of material processing in defense as well as cutting and welding purposes in the manufacturing industry is expected to be favorable for segment growth.
- OEMs accounted for a considerable percentage of the market share in 2013; they are expected to continue being the leading segment over the next six years. Strategic investment in development of next-generation photonics, energy efficient optics and ultrafast lasers are expected to help OEMs to retain their position in the market.
- Asia Pacific was the largest regional market in 2013; establishment of automotive industries along with low manufacturing cost in the developing countries such as China, India, South Korea and Japan is expected to fuel regional market growth.
- Key companies operating in the market include LaserStar Technologies Corporation, Universal Laser Inc., Coherent Inc., IPG Photonics Corporation and Newport Corporation.

For the purpose of this study, the report has segmented the global laser processing market on the basis of product, process, application and region:

Laser Processing Product Outlook (Revenue, USD Million, 2012 - 2020)

- Gas Lasers
- Solid-State Lasers
- Fiber Lasers
- Others

Laser Processing Process Outlook (Revenue, USD Million, 2012 - 2020)

- Material Processing
- Marking and Engraving
- Micro-Processing

Laser Processing Application Outlook (Revenue, USD Million, 2012 - 2020)

- Automotive
- Aerospace
- OEMs
- Electronics & Microelectronics
- Medical
- Packaging

Laser Processing Regional Outlook (Revenue, USD Million, 2012 - 2020)
- North America
- Europe
- Asia Pacific
- RoW

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