

# Global Laser Processing Acousto-Optic Device Market Research Report 2012-2024

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## Abstracts

### SUMMARY

Three categories of acousto-optic devices will be mainly discussed in this report. They include the acousto-optic modulator, filter and deflector. Acousto-optic modulator? By varying the parameters of the acoustic wave, including the amplitude, phase, frequency and polarization, properties of the optical wave may be modulated. The acousto-optic interaction also makes it possible to modulate the optical beam by both temporal and spatial modulation. A simple method of modulating the optical beam travelling through the acousto-optic device is done by switching the acoustic field on and off. When off the light beam is undiverted, the intensity of light directed at the Bragg diffraction angle is zero. When switched on and Bragg diffraction occurs, the intensity at the Bragg angle increases. So the acousto-optic device is modulating the output along the Bragg diffraction angle, switching it on and off. The device is operated as a modulator by keeping the acoustic wavelength (frequency) fixed and varying the drive power to vary the amount of light in the deflected beam.

The global Laser Processing Acousto-Optic Device market will reach xxx Million USD in 2019 with CAGR xx% 2019-2024. The objective of report is to define, segment, and project the market on the basis of product type, application, and region, and to describe the content about the factors influencing market dynamics, policy, economic, technology and market entry etc.

Based on products type, the report describes major products type share of regional market. Products mentioned as follows:

Acousto-optic Modulator

Acousto-optic Deflector

Acousto-optic Tunable Filter

Others

Leading vendors in the market are included based on profile, business performance etc. Vendors mentioned as follows:

Gooch & Housego

Brimrose

Harris

Coherent

Isomet

AA Opto Electronic

A.P.E Angewandte Physik

IntraAction Electronics

Panasonic

Based on Application, the report describes major application share of regional market. Application mentioned as follows:

CO2 Laser Processing Machine

Fiber Laser Processing Machine

YAG Processing Machine

Others

Based on region, the report describes major regions market by products and application. Regions mentioned as follows:

Asia-Pacific

North America

Europe

South America

Middle East & Africa

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