

Global and China Laser Processing Acousto-Optic Device Market Research by Company, Type & Application 2013-2025

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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.

Market Segment as follows:

By Type

Acousto-optic Modulator

Acousto-optic Deflector

Acousto-optic Tunable Filter

Others

By Application

CO2 Laser Processing Machine

Fiber Laser Processing Machine

YAG Processing Machine

Others

By Company

Gooch & Housego

Brimrose

Harris

Coherent

Isomet

AA Opto Electronic

A.P.E Angewandte Physik

IntraAction Electronics

Panasonic

The main contents of the report including:

Section 1:

Global and China Laser Processing Acousto-Optic Device Market Research by Company, Type & Application 2013-202...

Product definition, type and application, global and China market overview;

Section 2:

Global and China Market competition by company;

Section 3:

Global and China sales revenue, volume and price by type;

Section 4:

Global and China sales revenue, volume and price by application;

Section 5:

China export and import;

Section 6:

Company information, business overview, sales data and product specifications;

Section 7:

Industry chain and raw materials;

Section 8:

SWOT and Porter's Five Forces;

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