

# Global Laser Processing Acousto-Optic Device Market Status (2015-2019) and Forecast (2020-2024) by Region, Product Type & End-Use

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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 report forecast global Laser Processing Acousto-Optic Device market to grow to reach xxx Million USD in 2019 with a CAGR of xx% during the period 2020-2024.

The report offers detailed coverage of Laser Processing Acousto-Optic Device industry and main market trends. The market research includes historical and forecast market data, demand, application details, price trends, and company shares of the leading Laser Processing Acousto-Optic Device by geography. The report splits the market size, by volume and value, on the basis of application type and geography.

First, this report covers the present status and the future prospects of the global Laser

Processing Acousto-Optic Device market for 2015-2024.

And in this report, we analyze global market from 5 geographies: Asia-Pacific[China, Southeast Asia, India, Japan, Korea, Western Asia], Europe[Germany, UK, France, Italy, Russia, Spain, Netherlands, Turkey, Switzerland], North America[United States, Canada, Mexico], Middle East & Africa[GCC, North Africa, South Africa], South America[Brazil, Argentina, Columbia, Chile, Peru].

At the same time, we classify Laser Processing Acousto-Optic Device according to the type, application by geography. More importantly, the report includes major countries market based on the type and application.

Finally, the report provides detailed profile and data information analysis of leading Laser Processing Acousto-Optic Device company.

Key Content of Chapters as follows (Including and can be customized) :

Part 1:

Market Overview, Development, and Segment by Type, Application & Region

Part 2:

Company information, Sales, Cost, Margin etc.

Part 3:

Global Market by company, Type, Application & Geography

Part 4:

Asia-Pacific Market by Type, Application & Geography

Part 5:

Europe Market by Type, Application & Geography

Part 6:

North America Market by Type, Application & Geography

Part 7:

South America Market by Type, Application & Geography

Part 8:

Middle East & Africa Market by Type, Application & Geography

Part 9:

Market Features

Part 10:

Investment Opportunity

Part 11:

Conclusion

Market Segment as follows:

### By Region

Asia-Pacific[China, Southeast Asia, India, Japan, Korea, Western Asia]

Europe[Germany, UK, France, Italy, Russia, Spain, Netherlands, Turkey, Switzerland]

North America[United States, Canada, Mexico]

Middle East & Africa[GCC, North Africa, South Africa]

South America[Brazil, Argentina, Columbia, Chile, Peru]

### Key Companies

Gooch & Housego

Brimrose

Harris

Coherent

Isomet

AA Opto Electronic

A.P.E Angewandte Physik

IntraAction Electronics

Panasonic

### Market by Type

Acousto-optic Modulator

Acousto-optic Deflector

Acousto-optic Tunable Filter

Others

#### Market by Application

CO2 Laser Processing Machine

Fiber Laser Processing Machine

YAG Processing Machine

Others

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