

Acousto-optic Devices Market by Device (Modulators, Deflectors, Tunable Filters, Frequency Shifters, Q-Switches), Application (Material Processing, Laser Processing, Micro Processing), Vertical, and Geography - Global Forecast to 2022

<https://marketpublishers.com/r/A83687AF961EN.html>

Date: December 2016

Pages: 150

Price: US\$ 5,650.00 (Single User License)

ID: A83687AF961EN

Abstracts

“Acousto-optic devices market to grow at a high CAGR of 7.24% between 2016 and 2022”

The acousto-optic devices market is expected to reach USD 469.1 million by 2022, at a CAGR of 7.24% between 2016 and 2022. The major reason for the growth of these devices is the increasing demand of laser applications and use of advanced acousto-optic materials for optical medium in various verticals such as industrial, medical, life science and scientific research, and so on. The uses of these devices for applications such as material processing, laser scanning, laser printing, micro processing, and other have increased the scope of the acousto-optic devices market for different verticals. The high initial cost and increasing requirement-specific research and development (R&D) expenses could be a restraint for the acousto-optic devices market.

“Life science and scientific research vertical is a driving factor for the growth of the acousto-optic devices market and held the largest market share in 2015”

The demand for acousto-optic devices has increased owing to the research conducted in various fields such as imaging cytometry, photoacoustic imaging, optical coherence tomography, and multiphoton microscopy in biomedical imaging and scanning. Moreover, scientists are using acousto-optic devices with laser technology for research in areas such as femtosecond micromachining, two-photon polymerization, and semiconductor metrology. In the life science and scientific research vertical, there is a

high usage of various AO devices such as modulators, deflectors, and tunable filters in this vertical which is required to modulate the frequency and intensity of laser beams for laser scanning applications. These factors are likely to propel the growth of the acousto-optic devices market in the life science and scientific research vertical. Also, growing laser applications in scientific sector is one of the major driving factors in acousto-optic services market for upcoming years.

“Asia-Pacific expected to be the fastest-growing market”

This report covers the acousto-optic devices market in North America, Europe, Asia-Pacific (APAC), and Rest of the World (RoW). The acousto-optic devices market in APAC is expected to grow at the highest CAGR between 2016 and 2022. The growing industrialization and adoption of optical technologies to provide accurate solutions by developing countries are some of the important factors that have contributed to the growth of the acousto-optic devices market in the APAC region.

Breakdown of profile of primary participants:

By Company Type: Tier 1 – 35%, Tier 2 – 25%, and Tier 3 – 40%

By Designation: C-Level Executives – 25%, Directors – 35%, and Others – 40%

By Region: North America – 25%, APAC – 35%, Europe – 35%, and RoW – 5%

The key players in the acousto-optic devices market profiled in this report are Gooch & Housego PLC (U.K.), Isomet Corporation (U.S.), Brimrose Corporation of America (U.S.), Harris Corporation (U.S.), AMS Technologies AG (Germany), Coherent, Inc. (U.S.), AA Opto Electronic (France), A-P-E Angewandte Physik & Elektronik GmbH (Germany), IntraAction Corp. (U.S.), and Lightcomm Technology Co., Ltd. (China).

Research Coverage:

The report provides a clear analysis for acousto-optic devices and its requirement across different applications, verticals, and regions. The report aims at estimating the market size and future growth potential of the acousto-optic devices market across different segments such as devices, applications, verticals, and regions. Furthermore, the report also includes an in-depth competitive analysis of the key players in the acousto-optic devices market along with their company profiles, SWOT analysis, recent

developments, and key market strategies.

Reasons to Buy the Report:

This report includes the market statistics pertaining to device, vertical, application, and geography, along with their respective market size.

The Porter's five forces framework has been utilized along with the value chain analysis to provide an in-depth insight into the acousto-optic devices market.

Major drivers, restraints, opportunities, and challenges for the growth of the acousto-optic devices market have been detailed in this report.

Illustrative segmentation, analysis, and forecast based on device, vertical, application, and geography have been conducted to give an overall view of the acousto-optic devices market.

A detailed competitive landscape includes key players, in-depth analysis, and revenue of key players.

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF THE STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 GEOGRAPHIC SCOPE
 - 1.3.3 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH DATA
 - 2.1.1 SECONDARY DATA
 - 2.1.1.1 Key data from secondary sources
 - 2.1.2 PRIMARY DATA
 - 2.1.2.1 Key data from primary sources
 - 2.1.2.2 Key industry insights
 - 2.1.2.3 Breakdown of primaries
- 2.2 MARKET SIZE ESTIMATION
 - 2.2.1 BOTTOM-UP APPROACH
 - 2.2.2 TOP-DOWN APPROACH
- 2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
- 2.4 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

- 4.1 ACOUSTO-OPTIC DEVICES MARKET, 2016–2022 (USD MILLION)
- 4.2 ACOUSTO-OPTIC DEVICES MARKET, BY APPLICATION
- 4.3 ACOUSTO-OPTIC DEVICES MARKET, BY DEVICE
- 4.4 MARKET IN APAC EXPECTED TO WITNESS RAPID GROWTH BETWEEN 2016 AND 2022
- 4.5 ACOUSTO-OPTIC DEVICES: MARKET SHARE OF 3 MAJOR VERTICALS IN

2015

4.6 ACOUSTO-OPTIC DEVICES MARKET: LIFE SCIENCE AND SCIENTIFIC RESEARCH AND INDUSTRIAL VERTICALS (2015)

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET SEGMENTATION

5.2.1 MATERIALS USED IN ACOUSTO-OPTIC DEVICES

5.2.2 ACOUSTO-OPTIC DEVICES MARKET, BY DEVICE TYPE

5.2.3 ACOUSTO-OPTIC DEVICES MARKET, BY APPLICATION

5.2.4 ACOUSTO-OPTIC DEVICES MARKET, BY VERTICAL

5.2.5 ACOUSTO-OPTIC DEVICES MARKET, BY GEOGRAPHY

5.3 MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Increased implementation of advanced acousto-optic materials

5.3.1.2 Growing laser applications in scientific sector

5.3.2 RESTRAINTS

5.3.2.1 High Initial cost and increasing requirement-specific R&D expenses

5.3.3 OPPORTUNITIES

5.3.3.1 Emerging applications for acousto-optic devices in various fields

5.3.3.2 Growing use of fiber lasers to increase the demand for acousto-optic devices

5.3.4 CHALLENGES

5.3.4.1 Issues related to space-based applications with acousto-optic devices

6 INDUSTRY ANALYSIS

6.1 INTRODUCTION

6.2 VALUE CHAIN ANALYSIS

6.3 INDUSTRY TRENDS

6.4 PORTER'S FIVE FORCES MODEL

6.4.1 INTENSITY OF COMPETITIVE RIVALRY

6.4.2 THREAT OF SUBSTITUTES

6.4.3 BARGAINING POWER OF BUYERS

6.4.4 BARGAINING POWER OF SUPPLIERS

6.4.5 THREAT OF NEW ENTRANTS

7 MATERIALS USED IN ACOUSTO-OPTIC DEVICES

- 7.1 INTRODUCTION
- 7.2 GERMANIUM (GE)
- 7.3 DOPED GLASS
- 7.4 CHALCOGENIDE (GE33AS12SE55)
- 7.5 ARSENIC TRISULFIDE (AS2S3)
- 7.6 LEAD MOLYBDATE (PBM004)
- 7.7 TELLURIUM DIOXIDE (TEO2)
- 7.8 SIO2 (FUSED SILICA)

8 ACOUSTO-OPTIC DEVICES MARKET, BY DEVICE TYPE

- 8.1 INTRODUCTION
- 8.2 MODULATORS
 - 8.2.1 FIBER-COUPLED MODULATORS
 - 8.2.2 MULTI-CHANNEL MODULATORS
- 8.3 DEFLECTORS
- 8.4 FREQUENCY SHIFTERS
- 8.5 TUNABLE FILTERS
- 8.6 Q-SWITCHES
- 8.7 MODE LOCKERS
- 8.8 PULSE PICKERS/CAVITY DUMPERS
- 8.9 RF DRIVERS

9 ACOUSTO-OPTIC DEVICES MARKET, BY APPLICATION

- 9.1 INTRODUCTION
- 9.2 MATERIAL PROCESSING
- 9.3 LASER PROCESSING
- 9.4 MICRO PROCESSING
- 9.5 OTHERS

10 ACOUSTO-OPTIC DEVICES MARKET, BY VERTICAL

- 10.1 INTRODUCTION
- 10.2 AEROSPACE AND DEFENSE
- 10.3 LIFE SCIENCE AND SCIENTIFIC RESEARCH
- 10.4 MEDICAL
- 10.5 INDUSTRIAL
- 10.6 TELECOM

10.7 SEMICONDUCTOR AND ELECTRONICS

10.8 OIL AND GAS

11 GEOGRAPHICAL ANALYSIS

11.1 INTRODUCTION

11.2 NORTH AMERICA

11.2.1 U.S.

11.2.2 CANADA

11.2.3 MEXICO

11.3 EUROPE

11.3.1 U.K.

11.3.2 GERMANY

11.3.3 FRANCE

11.3.4 REST OF EUROPE

11.4 ASIA-PACIFIC

11.4.1 CHINA

11.4.2 JAPAN

11.4.3 INDIA

11.4.4 SOUTH KOREA

11.4.5 REST OF APAC

11.5 REST OF THE WORLD

11.5.1 MIDDLE EAST & AFRICA

11.5.2 LATIN AMERICA

12 COMPETITIVE LANDSCAPE

12.1 OVERVIEW

12.2 MARKET RANKING ANALYSIS: ACOUSTO-OPTIC DEVICES MARKET

12.3 COMPETITIVE SCENARIO

12.4 NEW PRODUCT LAUNCHES

12.5 ACQUISITIONS AND AGREEMENTS

12.6 COLLABORATIONS AND CONTRACTS

12.7 EXPANSIONS

13 COMPANY PROFILES

(Company at a Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent Developments)*

- 13.1 INTRODUCTION
- 13.2 GOOCH & HOUSEGO PLC
- 13.3 BRIMROSE CORPORATION OF AMERICA
- 13.4 ISOMET CORPORATION
- 13.5 HARRIS CORPORATION
- 13.6 AMS TECHNOLOGIES AG
- 13.7 COHERENT, INC.
- 13.8 AA OPTO ELECTRONIC
- 13.9 INTRACTION CORP.
- 13.10 A·P·E ANGEWANDTE PHYSIK & ELEKTRONIK GMBH
- 13.11 LIGHTCOMM TECHNOLOGY CO., LTD.

*Details on company at a glance, recent financials, products & services, strategies & insights, & recent developments might not be captured in case of unlisted companies.

14 APPENDIX

- 14.1 INSIGHTS OF INDUSTRY EXPERTS
- 14.2 DISCUSSION GUIDE
- 14.3 KNOWLEDGE STORE: MARKETSandMARKETS' SUBSCRIPTION PORTAL
- 14.4 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE
- 14.5 AVAILABLE CUSTOMIZATIONS
- 14.6 RELATED REPORTS
- 14.7 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 KEY INDUSTRY TRENDS IN THE ACOUSTO-OPTIC DEVICES MARKET

TABLE 2 PORTER'S FIVE FORCES ANALYSIS: BRAGAINING POWER OF BUYERS HAVING THE LOWEST IMPACT ON THE OVERALL MARKET

TABLE 3 ACOUSTO-OPTIC DEVICES MARKET, BY DEVICE TYPE, 2013–2022 (USD MILLION)

TABLE 4 ACOUSTO-OPTIC MODULATOR MARKET, BY TYPE, 2013–2022 (USD MILLION)

TABLE 5 ACOUSTO-OPTIC MODULATOR MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 6 ACOUSTO-OPTIC MODULATOR MARKET, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 7 ACOUSTO-OPTIC DEFLECTOR MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 8 ACOUSTO-OPTIC DEFLECTOR MARKET, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 9 ACOUSTO-OPTIC FREQUENCY SHIFTER MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 10 ACOUSTO-OPTIC FREQUENCY SHIFTER MARKET, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 11 ACOUSTO-OPTIC TUNABLE FILTERS MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 12 ACOUSTO-OPTIC TUNABLE FILTER MARKET, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 13 ACOUSTO-OPTIC Q-SWITCHES MARKET, BY APPLICATION, 2013–2022 (USD MILLION)

TABLE 14 ACOUSTO-OPTIC Q-SWITCHES MARKET, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 15 ACOUSTO-OPTIC MODE LOCKERS MARKET, BY APPLICATION, 2013–2022 (USD THOUSAND)

TABLE 16 ACOUSTO-OPTIC MODE LOCKERS MARKET, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 17 ACOUSTO-OPTIC PULSE PICKERS/CAVITY DUMPERS MARKET, BY APPLICATION, 2013–2022 (USD THOUSAND)

TABLE 18 ACOUSTO-OPTIC PULSE PICKERS/CAVITY DUMPERS MARKET BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 19 ACOUSTO-OPTIC RF DRIVERS MARKET, BY APPLICATION, 2013–2022
(USD THOUSAND)

TABLE 20 ACOUSTO-OPTIC RF DRIVERS MARKET, BY VERTICAL, 2013–2022
(USD THOUSAND)

TABLE 21 ACOUSTO-OPTIC DEVICES MARKET, BY APPLICATION, 2013–2022
(USD MILLION)

TABLE 22 ACOUSTO-OPTIC DEVICES MARKET FOR MATERIAL PROCESSING
APPLICATION, BY DEVICE TYPE, 2013–2022 (USD MILLION)

TABLE 23 ACOUSTO-OPTIC DEVICES MARKET FOR LASER PROCESSING
APPLICATION SIZE, BY DEVICE TYPE, 2013–2022 (USD MILLION)

TABLE 24 ACOUSTO-OPTIC DEVICES MARKET FOR MICRO PROCESSING
APPLICATION, BY DEVICE TYPE, 2013–2022 (USD MILLION)

TABLE 25 ACOUSTO-OPTIC DEVICES MARKET FOR OTHER APPLICATIONS, BY
DEVICE TYPE, 2013–2022 (USD MILLION)

TABLE 26 ACOUSTO-OPTIC DEVICES MARKET, BY VERTICAL, 2013–2022 (USD
MILLION)

TABLE 27 ACOUSTO-OPTIC DEVICES MARKET FOR AEROSPACE & DEFENSE
VERTICAL, BY DEVICE TYPE, 2013–2022 (USD THOUSAND)

TABLE 28 ACOUSTO-OPTIC DEVICES MARKET FOR AEROSPACE & DEFENSE
VERTICAL, BY REGION, 2013–2022 (USD MILLION)

TABLE 29 ACOUSTO-OPTIC DEVICES MARKET FOR LIFE SCIENCE & SCIENTIFIC
RESEARCH VERTICAL, BY DEVICE TYPE, 2013–2022 (USD THOUSAND)

TABLE 30 ACOUSTO-OPTIC DEVICES MARKET FOR LIFE SCIENCE & SCIENTIFIC
RESEARCH VERTICAL, BY REGION, 2013–2022 (USD MILLION)

TABLE 31 ACOUSTO-OPTIC DEVICES MARKET FOR MEDICAL VERTICAL, BY
DEVICE TYPE, 2013–2022 (USD THOUSAND)

TABLE 32 ACOUSTO-OPTIC DEVICES MARKET FOR MEDICAL VERTICAL, BY
REGION, 2013–2022 (USD MILLION)

TABLE 33 ACOUSTO-OPTIC DEVICES MARKET FOR INDUSTRIAL VERTICAL, BY
DEVICE TYPE, 2013–2022 (USD MILLION)

TABLE 34 ACOUSTO-OPTIC DEVICES MARKET FOR INDUSTRIAL VERTICAL, BY
REGION, 2013–2022 (USD MILLION)

TABLE 35 ACOUSTO-OPTIC DEVICES MARKET FOR TELECOM VERTICAL, BY
DEVICE TYPE, 2013–2022 (USD THOUSAND)

TABLE 36 ACOUSTO-OPTIC DEVICES MARKET FOR TELECOM VERTICAL, BY
REGION, 2013–2022 (USD THOUSAND)

TABLE 37 ACOUSTO-OPTIC DEVICES MARKET FOR SEMICONDUCTOR AND
ELECTRONICS VERTICAL, BY DEVICE TYPE, 2013–2022 (USD MILLION)

TABLE 38 ACOUSTO-OPTIC DEVICES MARKET FOR SEMICONDUCTOR AND

ELECTRONICS VERTICAL, BY REGION, 2013–2022 (USD MILLION)

TABLE 39 ACOUSTO-OPTIC DEVICES MARKET FOR OIL & GAS VERTICAL, BY DEVICE, 2013–2022 (USD THOUSAND)

TABLE 40 ACOUSTO-OPTIC DEVICES MARKET FOR OIL & GAS VERTICAL, BY REGION, 2013–2022 (USD MILLION)

TABLE 41 ACOUSTO-OPTIC DEVICES MARKET, BY REGION, 2013–2022 (USD MILLION)

TABLE 42 ACOUSTO-OPTIC DEVICES MARKET IN NORTH AMERICA, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 43 ACOUSTO-OPTIC DEVICES MARKET IN NORTH AMERICA, BY COUNTRY, 2013–2022 (USD MILLION)

TABLE 44 ACOUSTO-OPTIC DEVICES MARKET IN U.S., BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 45 ACOUSTO-OPTIC DEVICES MARKET IN CANADA, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 46 ACOUSTO-OPTIC DEVICES MARKET IN MEXICO, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 47 ACOUSTO-OPTIC DEVICES MARKET IN EUROPE, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 48 ACOUSTO-OPTIC DEVICES MARKET IN EUROPE, BY COUNTRY, 2013–2022 (USD MILLION)

TABLE 49 ACOUSTO-OPTIC DEVICES MARKET IN U.K., BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 50 ACOUSTO-OPTIC DEVICES MARKET IN GERMANY, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 51 ACOUSTO-OPTIC DEVICES MARKET IN FRANCE, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 52 ACOUSTO-OPTIC DEVICES MARKET IN REST OF EUROPE, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 53 ACOUSTO-OPTIC DEVICES MARKET IN APAC, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 54 ACOUSTO-OPTIC DEVICES MARKET IN APAC, BY COUNTRY, 2013–2022 (USD MILLION)

TABLE 55 ACOUSTO-OPTIC DEVICES MARKET IN CHINA, BY VERTICAL, 2013–2022 (USD MILLION)

TABLE 56 ACOUSTO-OPTIC DEVICES MARKET IN JAPAN, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 57 ACOUSTO-OPTIC DEVICES MARKET IN INDIA, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 58 ACOUSTO-OPTIC DEVICES MARKET IN SOUTH KOREA, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 59 ACOUSTO-OPTIC DEVICES MARKET IN REST OF APAC, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 60 ACOUSTO-OPTIC DEVICES MARKET IN ROW, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 61 ACOUSTO-OPTIC DEVICES MARKET IN ROW, BY REGION, 2013–2022 (USD MILLION)

TABLE 62 ACOUSTO-OPTIC DEVICES MARKET IN MIDDLE EAST & AFRICA, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 63 ACOUSTO-OPTIC DEVICES MARKET IN LATIN AMERICA, BY VERTICAL, 2013–2022 (USD THOUSAND)

TABLE 64 MARKET RANKING OF THE TOP 5 PLAYERS IN THE ACOUSTO-OPTIC DEVICES MARKET

TABLE 65 NEW PRODUCT LAUNCHES, 2014–2016

TABLE 66 ACQUISITIONS AND AGREEMENTS, 2013–2016

TABLE 67 COLLABORATIONS AND CONTRACTS, 2014–2016

TABLE 68 EXPANSIONS

List Of Figures

LIST OF FIGURES

FIGURE 1 MARKETS COVERED

FIGURE 2 ACOUSTO-OPTIC DEVICES MARKET: RESEARCH DESIGN

FIGURE 3 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

FIGURE 5 ASSUMPTIONS OF THE RESEARCH STUDY

FIGURE 6 ACOUSTO-OPTIC DEVICES MARKET, 2013–2022 (USD MILLION)

FIGURE 7 ACOUSTO-OPTIC DEVICES MARKET SHARE, BY APPLICATION (2015 VS. 2022)

FIGURE 8 ACOUSTO-OPTIC MODULATORS TO HOLD THE LARGEST MARKET SIZE BY 2022

FIGURE 9 INDUSTRIAL VERTICAL EXPECTED TO WITNESS THE HIGHEST CAGR BETWEEN 2016 AND 2022

FIGURE 10 NORTH AMERICA HELD THE LARGEST MARKET SHARE IN 2015

FIGURE 11 ATTRACTIVE OPPORTUNITIES FOR THE ACOUSTO-OPTIC DEVICES MARKET

FIGURE 12 ACOUSTO-OPTIC DEVICES MARKET FOR LASER PROCESSING APPLICATION TO GROW AT THE HIGHEST CAGR BETWEEN 2016 AND 2022

FIGURE 13 MODULATORS DEVICE SEGMENT EXPECTED TO HOLD THE LARGEST MARKET SHARE DURING THE FORECAST PERIOD

FIGURE 14 CHINA EXPECTED TO EMERGE AS THE FASTEST-GROWING MARKET FOR ACOUSTO-OPTIC DEVICES MARKET DURING FORECAST PERIOD

FIGURE 15 LIFE SCIENCE AND SCIENTIFIC RESEARCH VERTICAL HELD THE LARGEST SHARE OF THE MARKET IN APAC IN 2015

FIGURE 16 LIFE SCIENCE AND SCIENTIFIC RESEARCH AND INDUSTRIAL VERTICALS TO HOLD A LARGE SHARE OF THE ACOUSTO-OPTIC DEVICES MARKET

FIGURE 17 ACOUSTO-OPTIC DEVICES MARKET SEGMENTATION, BY GEOGRAPHY

FIGURE 18 INCREASING DEMAND OF ACOUSTO-OPTIC DEVICES FOR LASER APPLICATIONS WOULD DRIVE THE GROWTH OF THE MARKET

FIGURE 19 VALUE CHAIN ANALYSIS (2015): MAXIMUM VALUE ADDED BETWEEN RESEARCH & DEVELOPMENT AND COMPONENT MANUFACTURING PHASES

FIGURE 20 PORTER'S FIVE FORCES ANALYSIS (2015)

FIGURE 21 ACOUSTO-OPTIC DEVICES MARKET: PORTER'S FIVE FORCES ANALYSIS

FIGURE 22 IMPACT ANALYSIS OF INTENSITY OF COMPETITIVE RIVALRY

FIGURE 23 IMPACT ANALYSIS OF THREAT OF SUBSTITUTES

FIGURE 24 IMPACT ANALYSIS OF BARGAINING POWER OF BUYERS

FIGURE 25 IMPACT ANALYSIS OF BARGAINING POWER OF SUPPLIERS

FIGURE 26 IMPACT ANALYSIS OF THE THREAT OF NEW ENTRANTS

FIGURE 27 MODULATORS SEGMENT EXPECTED TO HOLD LARGEST MARKET SIZE IN THE ACOUSTO-OPTIC DEVICES MARKET DURING THE FORECAST PERIOD

FIGURE 28 LASER PROCESSING APPLICATION EXPECTED TO HOLD LARGEST SIZE OF THE ACOUSTO-OPTIC DEFLECTOR MARKET DURING THE FORECAST PERIOD

FIGURE 29 LASER PROCESSING APPLICATION EXPECTED TO HOLD THE LARGEST SIZE OF THE ACOUSTO-OPTIC TUNABLE FILTER MARKET BY 2022

FIGURE 30 LASER PROCESSING APPLICATION EXPECTED TO HOLD THE LARGEST SIZE OF THE ACOUSTO-OPTIC DEVICES MARKET BY 2022

FIGURE 31 MODULATORS EXPECTED TO HOLD THE LARGEST MARKET SIZE OF THE MICRO PROCESSING APPLICATION BY 2022

FIGURE 32 ACOUSTO-OPTIC DEVICES MARKET FOR INDUSTRIAL VERTICAL EXPECTED TO GROW AT THE HIGHEST RATE BETWEEN 2016 AND 2022

FIGURE 33 ACOUSTO-OPTIC DEVICES MARKET FOR LIFE SCIENCE AND SCIENTIFIC RESEARCH VERTICAL IN APAC EXPECTED TO GROW AT THE HIGHEST RATE BETWEEN 2016 AND 2022

FIGURE 34 EUROPE LIKELY TO HOLD THE LARGEST MARKET FOR MEDICAL VERTICAL BY 2022

FIGURE 35 APAC HELD THE LARGEST MARKET FOR THE INDUSTRIAL VERTICAL IN 2015

FIGURE 36 APAC EXPECTED TO HOLD THE LARGEST MARKET FOR THE TELECOM VERTICAL BETWEEN 2016 AND 2022

FIGURE 37 APAC LIKELY TO HOLD THE LARGEST MARKET FOR OIL AND GAS VERTICAL BY 2022

FIGURE 38 GEOGRAPHIC SNAPSHOT: APAC TO WITNESS THE HIGHEST RATE BETWEEN 2016 AND 2022

FIGURE 39 ACOUSTO-OPTIC DEVICES MARKET IN CHINA ESTIMATED TO GROW AT THE HIGHEST RATE BETWEEN 2016 AND 2022

FIGURE 40 OVERVIEW OF ACOUSTO-OPTIC DEVICES MARKET IN NORTH AMERICA, 2015

FIGURE 41 OVERVIEW OF ACOUSTO-OPTIC DEVICES MARKET IN EUROPE, 2015

FIGURE 42 OVERVIEW OF ACOUSTO-OPTIC DEVICES MARKET IN APAC, 2015

FIGURE 43 COMPANIES ADOPTED NEW PRODUCT LAUNCHES AS THE KEY

GROWTH STRATEGY BETWEEN 2013 AND 2016

FIGURE 44 MARKET EVALUATION FRAMEWORK: NEW PRODUCT LAUNCHES AND ACQUISITIONS FUELED THE GROWTH BETWEEN 2014 AND 2016

FIGURE 45 BATTLE FOR MARKET SHARE: NEW PRODUCT LAUNCHES WAS THE KEY STRATEGY ADOPTED

FIGURE 46 GEOGRAPHIC REVENUE MIX OF LEADING PLAYERS

FIGURE 47 GOOCH & HOUSEGO PLC: COMPANY SNAPSHOT

FIGURE 48 GOOCH & HOUSEGO PLC: SWOT ANALYSIS

FIGURE 49 BRIMROSE CORPORATION OF AMERICA: SWOT ANALYSIS

FIGURE 50 ISOMET CORPORATION: COMPANY SNAPSHOT

FIGURE 51 ISOMET CORPORATION: SWOT ANALYSIS

FIGURE 52 HARRIS CORPORATION: COMPANY SNAPSHOT

FIGURE 53 HARRIS CORPORATION: SWOT ANALYSIS

FIGURE 54 AMS TECHNOLOGIES AG: SWOT ANALYSIS

FIGURE 55 COHERENT, INC.: COMPANY SNAPSHOT

I would like to order

Product name: Acousto-optic Devices Market by Device (Modulators, Deflectors, Tunable Filters, Frequency Shifters, Q-Switches), Application (Material Processing, Laser Processing, Micro Processing), Vertical, and Geography - Global Forecast to 2022

Product link: <https://marketpublishers.com/r/A83687AF961EN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/A83687AF961EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970