

Fiber Optic Beam Expander Market by Design (Galilean, Keplerian), Device (Optical Communication, Measurement, Laser Systems, Remote Sensing), Application (Defense, Instrumentation, Industrial, Commercial), & Geography - Global Forecast to 2020

<https://marketpublishers.com/r/F6FE47BF8CAEN.html>

Date: March 2015

Pages: 153

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

ID: F6FE47BF8CAEN

Abstracts

The global fiber optic beam expander market is witnessing a very high growth rate, which is due to the increasing need for optical assemblies and components to enhance the efficiency and effectiveness of the laser processing systems as well as the optical communication systems. The fiber optics industry is witnessing an impressive increase in the consumption of the optical elements and components. This has facilitated the development of a strong environment for the increasing consumption of the fiber beam expander lenses (and lens assemblies). There has been a rapid large scale expansion of the fiber optic transport and access networks in the telecommunication industry. The private data communication, cable TV, specialty, and instrumentation segments are also the major drivers for the fiber optic beam expander market. The devices covered in this report are the optical communication devices, measurement & testing devices, laser delivery & processing systems, LIDAR & remote sensing devices, and others. The applications covered in the report are military & defense, scientific research & instrumentation, medical, industrial, and commercial. The fiber optic beam expander market is studied in depth with the inclusion of the market segmentation, along with the above mentioned products.

The fiber optic beam expander market is also mapped against geography. The market by geography is segmented into various economic regions such as the Americas, Europe, APAC, and RoW. Apart from the market segmentation, the report also includes the critical market data showing the industry trends analysis, PEST analysis, and value chain analysis.

The report encompasses the detailed analysis of the fiber optic beam expander market for a period spanning 2013–2020. The recent megatrends and micro trends in the global fiber optic beam expander market have been studied and the market forecasts for the period under study have been presented. This report analyzes the findings by considering the market dynamics that shape it. These dynamics are categorized under three headers: drivers, restraints, and opportunities. The market estimation and forecasting have been done with the help of the market dynamics. The report also presents detailed profiles of various companies that are currently active in the fiber optic beam expander market. In addition to the company profiles, the report provides a competitive landscape (CL) of the key players for each product segment. The CL covers mergers & acquisitions, collaborations, partnerships, new product developments, and the key growth strategies of each player. The entire value chain of the fiber optic beam expander market has been covered under the study, which reveals actionable insights of the various players in the value chain. The major players covered under the study include Diamond SA (Switzerland), Thor Labs, Inc. (U.S.), Qioptiq (Luxembourg), Edmond Optics, Inc. (U.S.), Micro Laser Systems, Inc. (U.S.), Lumetrics, Inc. (U.S.), Sill Optics GmbH (Germany), Jenoptik AG (Germany), Optolita UAB (Lithuania), Special Optics (U.S.), American Laser Enterprises LLC (U.S.), and Sintec Optronics Technology Pte Ltd. (Singapore).

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 FACTOR ANALYSIS
 - 2.2.1 INTRODUCTION
 - 2.2.2 DEMAND-SIDE ANALYSIS
 - 2.2.2.1 Gradual growth in the optoelectronics industry
 - 2.2.2.2 Demand of industrial and commercial laser systems and laser processing applications
 - 2.2.3 SUPPLY-SIDE ANALYSIS
 - 2.2.3.1 Less number of skilled labor
 - 2.2.3.2 Material requirement
- 2.3 MARKET SIZE ESTIMATION
 - 2.3.1 BOTTOM-UP APPROACH
 - 2.3.2 TOP-DOWN APPROACH
- 2.4 MARKET BREAKDOWN & DATA TRIANGULATION
- 2.5 RESEARCH ASSUMPTIONS AND LIMITATIONS
 - 2.5.1 ASSUMPTIONS
 - 2.5.2 LIMITATIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 UPCOMING OPPORTUNITIES IN THE FIBER OPTIC BEAM EXPANDER MARKET DURING THE FORECAST PERIOD

4.2 FIBER OPTIC BEAM EXPANDER MARKET—APPLICATION TYPES

4.3 FIBER OPTIC BEAM EXPANDER MARKET IN ASIA-PACIFIC

4.4 THE U.S. AND CHINA ARE EXPECTED TO LEAD THE FIBER OPTIC BEAM EXPANDER MARKET DURING 2014–2020

4.5 FIBER OPTIC BEAM EXPANDER MARKET: DEVICE TYPES (2020)

4.6 FIBER OPTIC BEAM EXPANDER MARKET: DEVELOPED VS. DEVELOPING NATIONS

4.7 LIFE CYCLE ANALYSIS, BY GEOGRAPHY

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET SEGMENTATION

5.3 MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Optical communication systems

5.3.1.2 Solar cells and photovoltaic production

5.3.1.3 Laser processing and optical measurement systems

5.3.1.4 Optical computing

5.3.2 RESTRAINTS

5.3.2.1 Issues of angular and spectral response of the beam expander

5.3.3 OPPORTUNITIES

5.3.3.1 Telecommunication markets

5.3.3.2 Laser processing

5.3.3.3 Optical sensing and measurement applications

5.3.4 CHALLENGES

5.3.4.1 Manufacturing, fabrication, and beam alignment challenges

5.4 WINNING IMPERATIVE

5.4.1 STRATEGY OF GEOGRAPHIC EXPANSION IN THE EMERGING MARKETS

6 INDUSTRY TRENDS

- 6.1 INTRODUCTION
- 6.2 VALUE CHAIN ANALYSIS
- 6.3 INDUSTRY TRENDS
- 6.4 PEST ANALYSIS
 - 6.4.1 POLITICAL FACTORS
 - 6.4.2 ECONOMIC FACTORS
 - 6.4.3 SOCIAL FACTORS
 - 6.4.4 TECHNOLOGICAL FACTORS

7 MARKET ANALYSIS, BY DESIGN TYPE

- 7.1 INTRODUCTION
- 7.2 KEPLERIAN BEAM EXPANDERS
- 7.3 GALILEAN BEAM EXPANDER

8 MARKET ANALYSIS, BY DEVICE TYPE

- 8.1 INTRODUCTION
 - 8.1.1 OPTICAL COMMUNICATION DEVICES
 - 8.1.2 MEASUREMENT AND TESTING DEVICES
 - 8.1.3 LASER DELIVERY AND PROCESSING SYSTEMS
 - 8.1.4 LIDAR AND REMOTE SENSING DEVICES
 - 8.1.5 OTHERS

9 MARKET ANALYSIS BY GEOGRAPHY

- 9.1 INTRODUCTION
- 9.2 MILITARY & DEFENSE
- 9.3 SCIENTIFIC RESEARCH & INSTRUMENTATION
- 9.4 MEDICAL
- 9.5 INDUSTRIAL
- 9.6 COMMERCIAL

10 GEOGRAPHIC ANALYSIS

- 10.1 INTRODUCTION
- 10.2 AMERICAS
- 10.3 EUROPE
- 10.4 ASIA-PACIFIC

10.5 REST OF THE WORLD

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW

11.2 COMPETITIVE SITUATION AND TRENDS

11.2.1 NEW PRODUCT LAUNCHES

11.2.2 MERGERS & AQUISITIONS

12 COMPANY PROFILE

(Overview, Products and Services, Financials, Strategy & Development)*

12.1 INTRODUCTION

12.2 AMERICAN LASER ENTERPRISES LLC

12.3 DIAMOND SA

12.4 EDMUND OPTICS INC.

12.5 JENOPTIK AG

12.6 LUMETRICS, INC.

12.7 MICRO LASER SYSTEMS, INC. (U.S.)

12.8 NEWPORT CORPORATION

12.9 OPTOLITA UAB

12.10 QIOPTIQ

12.11 SILL OPTICS GMBH

12.12 SINTEC OPTRONICS TECHNOLOGY PTE LTD.

12.13 SPECIAL OPTICS, INC.

12.14 TE CONNECTIVITY LTD.

12.15 THORLABS, INC.

*Details on Overview, Products and Services, Financials, Strategy & Development might not be Captured in case of Unlisted Companies.

13 APPENDIX

13.1 INSIGHTS OF INDUSTRY EXPERTS

13.2 DISCUSSION GUIDE

13.3 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE

13.4 AVAILABLE CUSTOMIZATIONS

13.5 RELATED REPORTS

List Of Tables

LIST OF TABLES

Table 1 FIBER OPTIC BEAM EXPANDER MARKET SHARE, BY APPLICATION, 2013–2020 (%)

Table 2 FIBER OPTIC BEAM EXPANDER MARKET SHARE, BY GEOGRAPHY, 2013–2020 (%)

Table 3 FIBER OPTIC BEAM EXPANDER MARKET SHARE, BY DEVICE, 2013–2020 (%)

Table 4 FIBER OPTIC BEAM EXPANDER MARKET SHARE, BY DESIGN, 2013–2020 (%)

Table 5 THE DEMAND SURGE FOR THE OPTICAL COMMUNICATION SYSTEMS WOULD DRIVE THE MARKET GROWTH FOR THE FIBER OPTIC BEAM EXPANDER MARKET (2013–2020)

Table 6 ISSUES OF ANGULAR AND SPECTRAL RESPONSE OF THE BEAM EXPANDER

Table 7 THE ROBUST GROWTH IN THE TELECOMMUNICATION SEGMENT IS THE KEY DRIVER FOR THE GROWTH OF THE GLOBAL OPTICAL BEAM EXPANDER MARKET

Table 8 GLOBAL FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY DESIGN, 2013–2020 (\$MILLION)

Table 9 FIBER OPTIC BEAM EXPANDER MARKET, BY DEVICE TYPES, 2013–2020 (\$MILLION)

Table 10 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR OPTICAL COMMUNICATION DEVICES, BY APPLICATION, 2013–2020 (\$MILLION)

Table 11 FIBER OPTIC BEAM EXPANDER MARKET FOR OPTICAL COMMUNICATION DEVICES, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 12 OPTICAL COMMUNICATION DEVICES SEGMENT FOR MILITARY APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 13 OPTICAL COMMUNICATION DEVICES SEGMENT FOR SCIENTIFIC RESEARCH AND INSTRUMENTATION APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 14 OPTICAL COMMUNICATION DEVICES SEGMENT FOR MEDICAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 15 OPTICAL COMMUNICATION DEVICES SEGMENT FOR INDUSTRIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 16 OPTICAL COMMUNICATION DEVICES SEGMENT FOR COMMERCIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 17 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR MEASUREMENT AND TESTING DEVICES, BY APPLICATION, 2013–2020 (\$MILLION)

Table 18 FIBER OPTIC BEAM EXPANDER MARKET FOR MEASUREMENT AND TESTING DEVICES, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 19 MEASUREMENT AND TESTING DEVICES MARKET FOR MILITARY APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 20 MEASUREMENT AND TESTING DEVICES MARKET FOR SCIENTIFIC RESEARCH AND INSTRUMENTATION APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 21 MEASUREMENT AND TESTING DEVICES MARKET FOR MEDICAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 22 MEASUREMENT AND TESTING DEVICES MARKET FOR INDUSTRIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 23 MEASUREMENT AND TESTING DEVICES MARKET FOR COMMERCIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 24 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR LASER DELIVERY AND PROCESSING SYSTEMS, BY APPLICATION, 2013–2020 (\$MILLION)

Table 25 FIBER OPTIC BEAM EXPANDER MARKET FOR LASER DELIVERY AND PROCESSING SYSTEMS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 26 LASER DELIVERY AND PROCESSING SYSTEMS MARKET SIZE FOR MILITARY APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 27 LASER DELIVERY AND PROCESSING SYSTEMS MARKET FOR SCIENTIFIC RESEARCH AND INSTRUMENTATION APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 28 LASER DELIVERY AND PROCESSING SYSTEMS MARKET FOR MEDICAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 29 LASER DELIVERY AND PROCESSING SYSTEMS MARKET FOR INDUSTRIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 30 LASER DELIVERY AND PROCESSING SYSTEMS MARKET FOR COMMERCIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 31 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR LIDAR AND REMOTE SENSING DEVICES, BY APPLICATION, 2013–2020 (\$MILLION)

Table 32 FIBER OPTIC BEAM EXPANDER MARKET FOR LIDAR AND REMOTE SENSING DEVICES, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 33 LIDAR AND REMOTE SENSING DEVICES MARKET SIZE FOR MILITARY APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 34 LIDAR AND REMOTE SENSING DEVICES MARKET FOR SCIENTIFIC RESEARCH AND INSTRUMENTATION APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 35 LIDAR AND REMOTE SENSING DEVICES MARKET FOR MEDICAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 36 LIDAR AND REMOTE SENSING DEVICES MARKET FOR INDUSTRIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 37 LIDAR AND REMOTE SENSING DEVICES MARKET FOR COMMERCIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 38 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR OTHER DEVICES SEGMENT, BY APPLICATION, 2013–2020 (\$MILLION)

Table 39 FIBER OPTIC BEAM EXPANDER MARKET FOR OTHER DEVICES SEGMENT, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 40 OTHER DEVICES MARKET SIZE FOR MILITARY APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 41 OTHER DEVICES MARKET SIZE FOR SCIENTIFIC RESEARCH AND INSTRUMENTATION APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 42 OTHER DEVICES MARKET SIZE FOR MEDICAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 43 OTHER DEVICES MARKET SIZE FOR INDUSTRIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 44 OTHER DEVICES MARKET SIZE FOR COMMERCIAL APPLICATIONS, BY GEOGRAPHY, 2013–2020 (\$MILLION)

Table 45 FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY APPLICATION, 2013–2020 (\$MILLION)

Table 46 FIBER OPTIC BEAM EXPANDER MARKET SIZE IN THE MILITARY AND DEFENSE SEGMENT, BY DEVICE, 2013–2020 (\$MILLION)

Table 47 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR THE MILITARY AND DEFENSE SEGMENT, BY REGION, 2013–2020 (\$MILLION)

Table 48 FIBER OPTIC BEAM EXPANDER MARKET SIZE IN THE SCIENTIFIC RESEARCH AND INSTRUMENTATION SEGMENT, BY DEVICE, 2013–2020 (\$MILLION)

Table 49 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR THE SCIENTIFIC RESEARCH AND INSTRUMENTATION SEGMENT, BY REGION, 2013–2020 (\$MILLION)

Table 50 FIBER OPTIC BEAM EXPANDER MARKET SIZE IN THE MEDICAL SEGMENT, BY DEVICE, 2013–2020 (\$MILLION)

Table 51 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR THE MEDICAL APPLICATION SEGMENT, BY REGION, 2013–2020 (\$MILLION)

Table 52 FIBER OPTIC BEAM EXPANDER MARKET SIZE IN THE INDUSTRIAL SEGMENT, BY DEVICE, 2013–2020 (\$MILLION)

Table 53 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR THE INDUSTRIAL

SEGMENT, BY REGION, 2013–2020 (\$MILLION)

Table 54 FIBER OPTIC BEAM EXPANDER MARKET SIZE IN THE COMMERCIAL SEGMENT, BY DEVICE, 2013–2020 (\$MILLION)

Table 55 FIBER OPTIC BEAM EXPANDER MARKET SIZE FOR THE COMMERCIAL SEGMENT, BY REGION, 2013–2020 (\$MILLION)

Table 56 FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY REGION, 2013–2020 (\$MILLION)

Table 57 AMERICAS: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY APPLICATION, 2013–2020 (\$MILLION)

Table 58 AMERICAS: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY DEVICE, 2013–2020 (\$MILLION)

Table 59 AMERICAS: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY COUNTRY, 2013–2020 (\$MILLION)

Table 60 EUROPE: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY APPLICATION, 2013–2020 (\$MILLION)

Table 61 EUROPE: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY DEVICE, 2013–2020 (\$MILLION)

Table 62 EUROPE: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY COUNTRY, 2013–2020 (\$MILLION)

Table 63 APAC: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY APPLICATION, 2013–2020 (\$MILLION)

Table 64 APAC: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY DEVICE, 2013–2020 (\$MILLION)

Table 65 APAC: LASER PROCESSING MARKET SIZE, BY COUNTRY, 2013–2020 (\$MILLION)

Table 66 ROW: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY APPLICATION, 2013–2020 (\$MILLION)

Table 67 ROW: FIBER OPTIC BEAM EXPANDER MARKET SIZE, BY DEVICE, 2013–2020 (\$MILLION)

Table 68 ROW: LASER PROCESSING MARKET SIZE, BY REGION, 2013–2020 (\$MILLION)

Table 69 NEW PRODUCT LAUNCHES, 2014

Table 70 COLLABORATIONS, PARTNERSHIPS, AND AGREEMENTS, 2011–2014

List Of Figures

LIST OF FIGURES

Figure 1 MARKETS COVERED

Figure 2 RESEARCH DESIGN

Figure 3 OPTOELECTRONICS INDUSTRY HISTORICAL TRENDS (1996–2012)

Figure 4 WORLDWIDE LASER MARKET FOR MARKING/ENGRAVING REVENUE (IN \$MILLION)

Figure 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

Figure 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

Figure 7 DATA TRIANGULATION

Figure 8 ASSUMPTIONS OF THE RESEARCH STUDY

Figure 9 LIMITATIONS OF THE STUDY

Figure 10 LUCRATIVE MARKETS FOR THE FIBER OPTIC BEAM EXPANDERS (2013–2020)

Figure 11 FIBER OPTIC BEAM EXPANDER MARKET SNAPSHOT, BY DEVICE (2013 VS. 2020)

Figure 12 DRIVERS AND RESTRAINTS FOR THE FIBER OPTIC BEAM EXPANDER MARKET

Figure 13 GLOBAL FIBER OPTIC BEAM EXPANDER MARKET, BY REGION, 2013

Figure 14 KEY STRATEGIES OF THE GLOBAL FIBER OPTIC BEAM EXPANDER MARKET PLAYERS

Figure 15 ATTRACTIVE OPPORTUNITIES IN THE FIBER OPTIC BEAM EXPANDER

Figure 16 SCIENTIFIC RESEARCH AND INSTRUMENTATION APPLICATION TO GROW AT THE HIGHEST RATE IN THE FORECAST PERIOD

Figure 17 IN 2013, THE INDUSTRIAL SEGMENT FOR THE FIBER OPTIC BEAM EXPANDERS ACCOUNTED FOR THE LARGEST SHARE IN ASIA-PACIFIC

Figure 18 CHINA ACCOUNTED FOR THE LARGEST SHARE IN THE FIBER OPTIC BEAM EXPANDER MARKET

Figure 19 THE APAC REGION IS EXPECTED TO DOMINATE THE FIBER OPTIC BEAM EXPANDER MARKET DURING 2014–2020

Figure 20 CHINA AS A DEVELOPING ECONOMY IS GROWING FASTER THAN THE DEVELOPED COUNTRIES

Figure 21 GLOBAL MARKET IS EXPECTED TO BE IN GROWTH PHASE DURING THE FORECAST PERIOD

Figure 22 FIBER OPTIC BEAM EXPANDER MARKET SEGMENTATION

Figure 23 THE DEMAND FOR OPTICAL COMMUNICATION SYSTEMS SURGE THE GROWTH OF THE BEAM EXPANDER MARKET

Figure 24 VALUE CHAIN ANALYSIS: MAJOR VALUE IS ADDED DURING THE RESEARCH & DEVELOPMENT AND FABRICATION PHASES

Figure 25 MINIATURIZATION OF SEMICONDUCTOR OPTICAL DEVICES IS A LEADING TREND IN THE FIBER OPTIC BEAM EXPANDER MARKET

Figure 26 KEPLERIAN BEAM EXPANDER DESIGN

Figure 27 GALILEAN BEAM EXPANDER DESIGN

Figure 28 FIBER OPTIC BEAM EXPANDER MARKET, BY DEVICE

Figure 29 MARKET SEGMENTATION, BY APPLICATION

Figure 30 GEOGRAPHIC SNAPSHOT (2013)

Figure 31 GEOGRAPHIC BENCHMARKING OF DIFFERENT APPLICATIONS (2014–2020)

Figure 32 THE AMERICAN MARKET SNAPSHOT: DEMAND WOULD BE DRIVEN BY GROWTH IN THE COMMUNICATION AND CONSUMER ELECTRONICS

Figure 33 THE ASIA-PACIFIC FIBER OPTIC BEAM EXPANDER MARKET SNAPSHOT—CHINA IS THE MOST LUCRATIVE MARKET

Figure 34 COMPANIES ADOPTED NEW PRODUCT LAUNCHES AS THE KEY GROWTH STRATEGY DURING 2011-2014

Figure 35 MARKET EVOLUTION FRAMEWORK: NEW PRODUCT DEVELOPMENTS HAVE FUELED GROWTH AND INNOVATION DURING 2011–2014

Figure 36 BATTLE FOR MARKET SHARE: NEW PRODUCT LAUNCHES WAS THE KEY STRATEGY DURING 2011–2014

Figure 37 GEOGRAPHIC REVENUE MIX OF THE TOP THREE MARKET PLAYERS

Figure 38 COMPETITIVE BENCHMARKING OF THE KEY MARKET PLAYERS (2009–2013)

Figure 39 EDMUND OPTICS: SWOT ANALYSIS

Figure 40 JENOPTIK AG: COMPANY SNAPSHOT

Figure 41 NEWPORT CORPORATION: COMPANY SNAPSHOT

Figure 42 NEWPORT CORPORATION: SWOT ANALYSIS

Figure 43 QIOPTIQ: SWOT ANALYSIS

Figure 44 TE CONNECTIVITY LTD.: COMPANY SNAPSHOT

Figure 45 TE CONNECTIVITY LTD.: SWOT ANALYSIS

I would like to order

Product name: Fiber Optic Beam Expander Market by Design (Galilean, Keplerian), Device (Optical Communication, Measurement, Laser Systems, Remote Sensing), Application (Defense, Instrumentation, Industrial, Commercial), & Geography - Global Forecast to 2020

Product link: <https://marketpublishers.com/r/F6FE47BF8CAEN.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/F6FE47BF8CAEN.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