

# Global Adaptive Optics Market Professional Survey Report 2017

https://marketpublishers.com/r/GB1B18075DDEN.html

Date: October 2017

Pages: 103

Price: US\$ 3,500.00 (Single User License)

ID: GB1B18075DDEN

### **Abstracts**

This report studies Adaptive Optics in Global market, especially in North America, China, Europe, Southeast Asia, Japan and India, with production, revenue, consumption, import and export in these regions, from 2012 to 2016, and forecast to 2022.

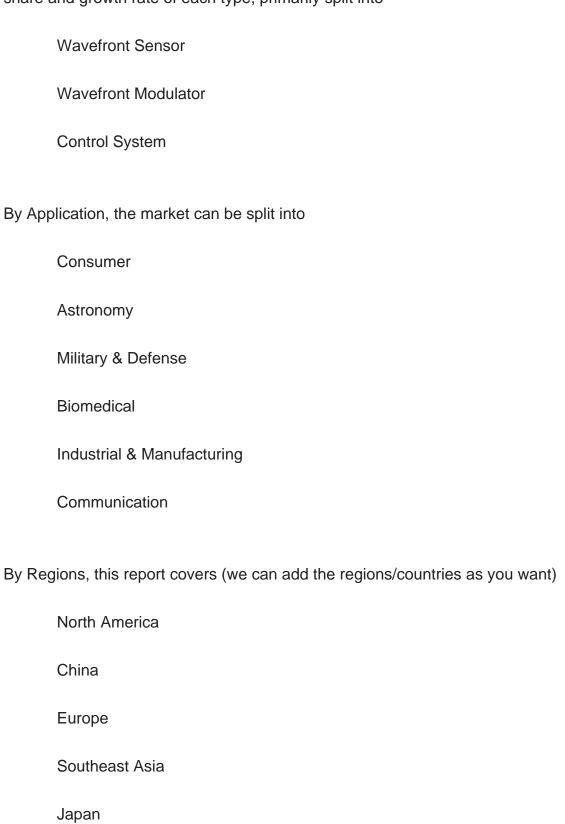
This report focuses on top manufacturers in global market, with production, price, revenue and market share for each manufacturer, covering

Teledyne e2v
NORTHROP GRUMMAN CORPORATION
Thorlabs
Iris AO
Adaptica
Active Optical Systems
Flexible Optical
Imagine Optic
Boston Micromachines Corporation



### Phasics Corp.

On the basis of product, this report displays the production, revenue, price, market share and growth rate of each type, primarily split into





India

If you have any special requirements, please let us know and we will offer you the report as you want.



### **Contents**

Global Adaptive Optics Market Professional Survey Report 2017

### 1 INDUSTRY OVERVIEW OF ADAPTIVE OPTICS

- 1.1 Definition and Specifications of Adaptive Optics
  - 1.1.1 Definition of Adaptive Optics
  - 1.1.2 Specifications of Adaptive Optics
- 1.2 Classification of Adaptive Optics
  - 1.2.1 Wavefront Sensor
  - 1.2.2 Wavefront Modulator
  - 1.2.3 Control System
- 1.3 Applications of Adaptive Optics
  - 1.3.1 Consumer
  - 1.3.2 Astronomy
  - 1.3.3 Military & Defense
  - 1.3.4 Biomedical
  - 1.3.5 Industrial & Manufacturing
  - 1.3.6 Communication
- 1.4 Market Segment by Regions
  - 1.4.1 North America
  - 1.4.2 China
  - 1.4.3 Europe
  - 1.4.4 Southeast Asia
  - 1.4.5 Japan
  - 1.4.6 India

### 2 MANUFACTURING COST STRUCTURE ANALYSIS OF ADAPTIVE OPTICS

- 2.1 Raw Material and Suppliers
- 2.2 Manufacturing Cost Structure Analysis of Adaptive Optics
- 2.3 Manufacturing Process Analysis of Adaptive Optics
- 2.4 Industry Chain Structure of Adaptive Optics

# 3 TECHNICAL DATA AND MANUFACTURING PLANTS ANALYSIS OF ADAPTIVE OPTICS

3.1 Capacity and Commercial Production Date of Global Adaptive Optics Major



### Manufacturers in 2016

- 3.2 Manufacturing Plants Distribution of Global Adaptive Optics Major Manufacturers in 2016
- 3.3 R&D Status and Technology Source of Global Adaptive Optics Major Manufacturers in 2016
- 3.4 Raw Materials Sources Analysis of Global Adaptive Optics Major Manufacturers in 2016

### 4 GLOBAL ADAPTIVE OPTICS OVERALL MARKET OVERVIEW

- 4.1 2012-2017E Overall Market Analysis
- 4.2 Capacity Analysis
  - 4.2.1 2012-2017E Global Adaptive Optics Capacity and Growth Rate Analysis
- 4.2.2 2016 Adaptive Optics Capacity Analysis (Company Segment)
- 4.3 Sales Analysis
  - 4.3.1 2012-2017E Global Adaptive Optics Sales and Growth Rate Analysis
  - 4.3.2 2016 Adaptive Optics Sales Analysis (Company Segment)
- 4.4 Sales Price Analysis
  - 4.4.1 2012-2017E Global Adaptive Optics Sales Price
  - 4.4.2 2016 Adaptive Optics Sales Price Analysis (Company Segment)

### **5 ADAPTIVE OPTICS REGIONAL MARKET ANALYSIS**

- 5.1 North America Adaptive Optics Market Analysis
  - 5.1.1 North America Adaptive Optics Market Overview
- 5.1.2 North America 2012-2017E Adaptive Optics Local Supply, Import, Export, Local Consumption Analysis
  - 5.1.3 North America 2012-2017E Adaptive Optics Sales Price Analysis
- 5.1.4 North America 2016 Adaptive Optics Market Share Analysis
- 5.2 China Adaptive Optics Market Analysis
  - 5.2.1 China Adaptive Optics Market Overview
- 5.2.2 China 2012-2017E Adaptive Optics Local Supply, Import, Export, Local Consumption Analysis
- 5.2.3 China 2012-2017E Adaptive Optics Sales Price Analysis
- 5.2.4 China 2016 Adaptive Optics Market Share Analysis
- 5.3 Europe Adaptive Optics Market Analysis
  - 5.3.1 Europe Adaptive Optics Market Overview
- 5.3.2 Europe 2012-2017E Adaptive Optics Local Supply, Import, Export, Local Consumption Analysis



- 5.3.3 Europe 2012-2017E Adaptive Optics Sales Price Analysis
- 5.3.4 Europe 2016 Adaptive Optics Market Share Analysis
- 5.4 Southeast Asia Adaptive Optics Market Analysis
  - 5.4.1 Southeast Asia Adaptive Optics Market Overview
- 5.4.2 Southeast Asia 2012-2017E Adaptive Optics Local Supply, Import, Export, Local Consumption Analysis
  - 5.4.3 Southeast Asia 2012-2017E Adaptive Optics Sales Price Analysis
  - 5.4.4 Southeast Asia 2016 Adaptive Optics Market Share Analysis
- 5.5 Japan Adaptive Optics Market Analysis
  - 5.5.1 Japan Adaptive Optics Market Overview
- 5.5.2 Japan 2012-2017E Adaptive Optics Local Supply, Import, Export, Local Consumption Analysis
- 5.5.3 Japan 2012-2017E Adaptive Optics Sales Price Analysis
- 5.5.4 Japan 2016 Adaptive Optics Market Share Analysis
- 5.6 India Adaptive Optics Market Analysis
  - 5.6.1 India Adaptive Optics Market Overview
- 5.6.2 India 2012-2017E Adaptive Optics Local Supply, Import, Export, Local Consumption Analysis
  - 5.6.3 India 2012-2017E Adaptive Optics Sales Price Analysis
  - 5.6.4 India 2016 Adaptive Optics Market Share Analysis

# 6 GLOBAL 2012-2017E ADAPTIVE OPTICS SEGMENT MARKET ANALYSIS (BY TYPE)

- 6.1 Global 2012-2017E Adaptive Optics Sales by Type
- 6.2 Different Types of Adaptive Optics Product Interview Price Analysis
- 6.3 Different Types of Adaptive Optics Product Driving Factors Analysis
  - 6.3.1 Wavefront Sensor of Adaptive Optics Growth Driving Factor Analysis
  - 6.3.2 Wavefront Modulator of Adaptive Optics Growth Driving Factor Analysis
  - 6.3.3 Control System of Adaptive Optics Growth Driving Factor Analysis

# 7 GLOBAL 2012-2017E ADAPTIVE OPTICS SEGMENT MARKET ANALYSIS (BY APPLICATION)

- 7.1 Global 2012-2017E Adaptive Optics Consumption by Application
- 7.2 Different Application of Adaptive Optics Product Interview Price Analysis
- 7.3 Different Application of Adaptive Optics Product Driving Factors Analysis
  - 7.3.1 Consumer of Adaptive Optics Growth Driving Factor Analysis
  - 7.3.2 Astronomy of Adaptive Optics Growth Driving Factor Analysis



- 7.3.3 Military & Defense of Adaptive Optics Growth Driving Factor Analysis
- 7.3.4 Biomedical of Adaptive Optics Growth Driving Factor Analysis
- 7.3.5 Industrial & Manufacturing of Adaptive Optics Growth Driving Factor Analysis
- 7.3.6 Communication of Adaptive Optics Growth Driving Factor Analysis

### **8 MAJOR MANUFACTURERS ANALYSIS OF ADAPTIVE OPTICS**

- 8.1 Teledyne e2v
  - 8.1.1 Company Profile
  - 8.1.2 Product Picture and Specifications
    - 8.1.2.1 Product A
    - 8.1.2.2 Product B
- 8.1.3 Teledyne e2v 2016 Adaptive Optics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.1.4 Teledyne e2v 2016 Adaptive Optics Business Region Distribution Analysis
- 8.2 NORTHROP GRUMMAN CORPORATION
  - 8.2.1 Company Profile
  - 8.2.2 Product Picture and Specifications
    - 8.2.2.1 Product A
    - 8.2.2.2 Product B
- 8.2.3 NORTHROP GRUMMAN CORPORATION 2016 Adaptive Optics Sales, Exfactory Price, Revenue, Gross Margin Analysis
- 8.2.4 NORTHROP GRUMMAN CORPORATION 2016 Adaptive Optics Business Region Distribution Analysis
- 8.3 Thorlabs
  - 8.3.1 Company Profile
  - 8.3.2 Product Picture and Specifications
    - 8.3.2.1 Product A
    - 8.3.2.2 Product B
- 8.3.3 Thorlabs 2016 Adaptive Optics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.3.4 Thorlabs 2016 Adaptive Optics Business Region Distribution Analysis
- 8.4 Iris AO
  - 8.4.1 Company Profile
  - 8.4.2 Product Picture and Specifications
    - 8.4.2.1 Product A
    - 8.4.2.2 Product B
- 8.4.3 Iris AO 2016 Adaptive Optics Sales, Ex-factory Price, Revenue, Gross Margin Analysis



- 8.4.4 Iris AO 2016 Adaptive Optics Business Region Distribution Analysis
- 8.5 Adaptica
  - 8.5.1 Company Profile
  - 8.5.2 Product Picture and Specifications
    - 8.5.2.1 Product A
    - 8.5.2.2 Product B
- 8.5.3 Adaptica 2016 Adaptive Optics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.5.4 Adaptica 2016 Adaptive Optics Business Region Distribution Analysis
- 8.6 Active Optical Systems
  - 8.6.1 Company Profile
  - 8.6.2 Product Picture and Specifications
    - 8.6.2.1 Product A
    - 8.6.2.2 Product B
- 8.6.3 Active Optical Systems 2016 Adaptive Optics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.6.4 Active Optical Systems 2016 Adaptive Optics Business Region Distribution Analysis
- 8.7 Flexible Optical
  - 8.7.1 Company Profile
  - 8.7.2 Product Picture and Specifications
    - 8.7.2.1 Product A
    - 8.7.2.2 Product B
- 8.7.3 Flexible Optical 2016 Adaptive Optics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.7.4 Flexible Optical 2016 Adaptive Optics Business Region Distribution Analysis 8.8 Imagine Optic
  - 8.8.1 Company Profile
  - 8.8.2 Product Picture and Specifications
    - 8.8.2.1 Product A
    - 8.8.2.2 Product B
- 8.8.3 Imagine Optic 2016 Adaptive Optics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.8.4 Imagine Optic 2016 Adaptive Optics Business Region Distribution Analysis
- 8.9 Boston Micromachines Corporation
  - 8.9.1 Company Profile
  - 8.9.2 Product Picture and Specifications
    - 8.9.2.1 Product A
    - 8.9.2.2 Product B



- 8.9.3 Boston Micromachines Corporation 2016 Adaptive Optics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
- 8.9.4 Boston Micromachines Corporation 2016 Adaptive Optics Business Region Distribution Analysis
- 8.10 Phasics Corp.
  - 8.10.1 Company Profile
  - 8.10.2 Product Picture and Specifications
    - 8.10.2.1 Product A
    - 8.10.2.2 Product B
- 8.10.3 Phasics Corp. 2016 Adaptive Optics Sales, Ex-factory Price, Revenue, Gross Margin Analysis
  - 8.10.4 Phasics Corp. 2016 Adaptive Optics Business Region Distribution Analysis

#### 9 DEVELOPMENT TREND OF ANALYSIS OF ADAPTIVE OPTICS MARKET

- 9.1 Global Adaptive Optics Market Trend Analysis
  - 9.1.1 Global 2017-2022 Adaptive Optics Market Size (Volume and Value) Forecast
  - 9.1.2 Global 2017-2022 Adaptive Optics Sales Price Forecast
- 9.2 Adaptive Optics Regional Market Trend
  - 9.2.1 North America 2017-2022 Adaptive Optics Consumption Forecast
  - 9.2.2 China 2017-2022 Adaptive Optics Consumption Forecast
  - 9.2.3 Europe 2017-2022 Adaptive Optics Consumption Forecast
  - 9.2.4 Southeast Asia 2017-2022 Adaptive Optics Consumption Forecast
  - 9.2.5 Japan 2017-2022 Adaptive Optics Consumption Forecast
  - 9.2.6 India 2017-2022 Adaptive Optics Consumption Forecast
- 9.3 Adaptive Optics Market Trend (Product Type)
- 9.4 Adaptive Optics Market Trend (Application)

### 10 ADAPTIVE OPTICS MARKETING TYPE ANALYSIS

- 10.1 Adaptive Optics Regional Marketing Type Analysis
- 10.2 Adaptive Optics International Trade Type Analysis
- 10.3 Traders or Distributors with Contact Information of Adaptive Optics by Region
- 10.4 Adaptive Optics Supply Chain Analysis

### 11 CONSUMERS ANALYSIS OF ADAPTIVE OPTICS

- 11.1 Consumer 1 Analysis
- 11.2 Consumer 2 Analysis



- 11.3 Consumer 3 Analysis
- 11.4 Consumer 4 Analysis

# 12 CONCLUSION OF THE GLOBAL ADAPTIVE OPTICS MARKET PROFESSIONAL SURVEY REPORT 2017

Methodology Analyst Introduction Data Source

The report requires updating with new data and is sent in 2-3 business days after order is placed.



### **List Of Tables**

#### LIST OF TABLES AND FIGURES

Figure Picture of Adaptive Optics

Table Product Specifications of Adaptive Optics

Table Classification of Adaptive Optics

Figure Global Production Market Share of Adaptive Optics by Type in 2016

Figure Wavefront Sensor Picture

Table Major Manufacturers of Wavefront Sensor

Figure Wavefront Modulator Picture

Table Major Manufacturers of Wavefront Modulator

Figure Control System Picture

Table Major Manufacturers of Control System

Table Applications of Adaptive Optics

Figure Global Consumption Volume Market Share of Adaptive Optics by Application in 2016

Figure Consumer Examples

Table Major Consumers in Consumer

Figure Astronomy Examples

Table Major Consumers in Astronomy

Figure Military & Defense Examples

Table Major Consumers in Military & Defense

Figure Biomedical Examples

Table Major Consumers in Biomedical

Figure Industrial & Manufacturing Examples

Table Major Consumers in Industrial & Manufacturing

Figure Communication Examples

Table Major Consumers in Communication

Figure Market Share of Adaptive Optics by Regions

Figure North America Adaptive Optics Market Size (Million USD) (2012-2022)

Figure China Adaptive Optics Market Size (Million USD) (2012-2022)

Figure Europe Adaptive Optics Market Size (Million USD) (2012-2022)

Figure Southeast Asia Adaptive Optics Market Size (Million USD) (2012-2022)

Figure Japan Adaptive Optics Market Size (Million USD) (2012-2022)

Figure India Adaptive Optics Market Size (Million USD) (2012-2022)

Table Adaptive Optics Raw Material and Suppliers

Table Manufacturing Cost Structure Analysis of Adaptive Optics in 2016

Figure Manufacturing Process Analysis of Adaptive Optics



Figure Industry Chain Structure of Adaptive Optics

Table Capacity and Commercial Production Date of Global Adaptive Optics Major Manufacturers in 2016

Table Manufacturing Plants Distribution of Global Adaptive Optics Major Manufacturers in 2016

Table R&D Status and Technology Source of Global Adaptive Optics Major Manufacturers in 2016

Table Raw Materials Sources Analysis of Global Adaptive Optics Major Manufacturers in 2016

Table Global Capacity, Sales, Price, Cost, Sales Revenue (M USD) and Gross Margin of Adaptive Optics 2012-2017

Figure Global 2012-2017E Adaptive Optics Market Size (Volume) and Growth Rate

Figure Global 2012-2017E Adaptive Optics Market Size (Value) and Growth Rate

Table 2012-2017E Global Adaptive Optics Capacity and Growth Rate

Table 2016 Global Adaptive Optics Capacity (K Units) List (Company Segment)

Table 2012-2017E Global Adaptive Optics Sales (K Units) and Growth Rate

Table 2016 Global Adaptive Optics Sales (K Units) List (Company Segment)

Table 2012-2017E Global Adaptive Optics Sales Price (USD/Unit)

Table 2016 Global Adaptive Optics Sales Price (USD/Unit) List (Company Segment)

Figure North America Capacity Overview

Table North America Supply, Import, Export and Consumption (K Units) of Adaptive Optics 2012-2017E

Figure North America 2012-2017E Adaptive Optics Sales Price (USD/Unit)

Figure North America 2016 Adaptive Optics Sales Market Share

Figure China Capacity Overview

Table China Supply, Import, Export and Consumption (K Units) of Adaptive Optics 2012-2017E

Figure China 2012-2017E Adaptive Optics Sales Price (USD/Unit)

Figure China 2016 Adaptive Optics Sales Market Share

Figure Europe Capacity Overview

Table Europe Supply, Import, Export and Consumption (K Units) of Adaptive Optics 2012-2017E

Figure Europe 2012-2017E Adaptive Optics Sales Price (USD/Unit)

Figure Europe 2016 Adaptive Optics Sales Market Share

Figure Southeast Asia Capacity Overview

Table Southeast Asia Supply, Import, Export and Consumption (K Units) of Adaptive Optics 2012-2017E

Figure Southeast Asia 2012-2017E Adaptive Optics Sales Price (USD/Unit)

Figure Southeast Asia 2016 Adaptive Optics Sales Market Share



Figure Japan Capacity Overview

Table Japan Supply, Import, Export and Consumption (K Units) of Adaptive Optics 2012-2017E

Figure Japan 2012-2017E Adaptive Optics Sales Price (USD/Unit)

Figure Japan 2016 Adaptive Optics Sales Market Share

Figure India Capacity Overview

Table India Supply, Import, Export and Consumption (K Units) of Adaptive Optics 2012-2017E

Figure India 2012-2017E Adaptive Optics Sales Price (USD/Unit)

Figure India 2016 Adaptive Optics Sales Market Share

Table Global 2012-2017E Adaptive Optics Sales (K Units) by Type

Table Different Types Adaptive Optics Product Interview Price

Table Global 2012-2017E Adaptive Optics Sales (K Units) by Application

Table Different Application Adaptive Optics Product Interview Price

Table Teledyne e2v Information List

**Table Product A Overview** 

Table Product B Overview

Table 2016 Teledyne e2v Adaptive Optics Revenue (Million USD), Sales (K Units), Exfactory Price (USD/Unit)

Figure 2016 Teledyne e2v Adaptive Optics Business Region Distribution

Table NORTHROP GRUMMAN CORPORATION Information List

**Table Product A Overview** 

**Table Product B Overview** 

Table 2016 NORTHROP GRUMMAN CORPORATION Adaptive Optics Revenue

(Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2016 NORTHROP GRUMMAN CORPORATION Adaptive Optics Business

**Region Distribution** 

**Table Thorlabs Information List** 

**Table Product A Overview** 

Table Product B Overview

Table 2015 Thorlabs Adaptive Optics Revenue (Million USD), Sales (K Units), Exfactory Price (USD/Unit)

Figure 2016 Thorlabs Adaptive Optics Business Region Distribution

Table Iris AO Information List

**Table Product A Overview** 

Table Product B Overview

Table 2016 Iris AO Adaptive Optics Revenue (Million USD), Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2016 Iris AO Adaptive Optics Business Region Distribution



**Table Adaptica Information List** 

**Table Product A Overview** 

**Table Product B Overview** 

Table 2016 Adaptica Adaptive Optics Revenue (Million USD), Sales (K Units), Ex-

factory Price (USD/Unit)

Figure 2016 Adaptica Adaptive Optics Business Region Distribution

Table Active Optical Systems Information List

Table Product A Overview

Table Product B Overview

Table 2016 Active Optical Systems Adaptive Optics Revenue (Million USD), Sales (K

Units), Ex-factory Price (USD/Unit)

Figure 2016 Active Optical Systems Adaptive Optics Business Region Distribution

Table Flexible Optical Information List

Table Product A Overview

Table Product B Overview

Table 2016 Flexible Optical Adaptive Optics Revenue (Million USD), Sales (K Units), Ex-

factory Price (USD/Unit)

Figure 2016 Flexible Optical Adaptive Optics Business Region Distribution

Table Imagine Optic Information List

**Table Product A Overview** 

**Table Product B Overview** 

Table 2016 Imagine Optic Adaptive Optics Revenue (Million USD), Sales (K Units), Ex-

factory Price (USD/Unit)

Figure 2016 Imagine Optic Adaptive Optics Business Region Distribution

Table Boston Micromachines Corporation Information List

**Table Product A Overview** 

Table Product B Overview

Table 2016 Boston Micromachines Corporation Adaptive Optics Revenue (Million USD),

Sales (K Units), Ex-factory Price (USD/Unit)

Figure 2016 Boston Micromachines Corporation Adaptive Optics Business Region

Distribution

Table Phasics Corp. Information List

Table Product A Overview

**Table Product B Overview** 

Table 2016 Phasics Corp. Adaptive Optics Revenue (Million USD), Sales (K Units), Ex-

factory Price (USD/Unit)

Figure 2016 Phasics Corp. Adaptive Optics Business Region Distribution

Figure Global 2017-2022 Adaptive Optics Market Size (K Units) and Growth Rate

Forecast



Figure Global 2017-2022 Adaptive Optics Market Size (Million USD) and Growth Rate Forecast

Figure Global 2017-2022 Adaptive Optics Sales Price (USD/Unit) Forecast

Figure North America 2017-2022 Adaptive Optics Consumption Volume (K Units) and Growth Rate Forecast

Figure China 2017-2022 Adaptive Optics Consumption Volume (K Units) and Growth Rate Forecast

Figure Europe 2017-2022 Adaptive Optics Consumption Volume (K Units) and Growth Rate Forecast

Figure Southeast Asia 2017-2022 Adaptive Optics Consumption Volume (K Units) and Growth Rate Forecast

Figure Japan 2017-2022 Adaptive Optics Consumption Volume (K Units) and Growth Rate Forecast

Figure India 2017-2022 Adaptive Optics Consumption Volume (K Units) and Growth Rate Forecast

Table Global Sales Volume (K Units) of Adaptive Optics by Type 2017-2022

Table Global Consumption Volume (K Units) of Adaptive Optics by Application 2017-2022

Table Traders or Distributors with Contact Information of Adaptive Optics by Region



### I would like to order

Product name: Global Adaptive Optics Market Professional Survey Report 2017

Product link: https://marketpublishers.com/r/GB1B18075DDEN.html

Price: US\$ 3,500.00 (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 <a href="https://marketpublishers.com/r/GB1B18075DDEN.html">https://marketpublishers.com/r/GB1B18075DDEN.html</a>

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
	Custumer signature

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

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