

# Ophthalmic Instrumentation: Market Research Report

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# **Abstracts**

This report analyzes the worldwide markets for Ophthalmic Instrumentation in Units and US\$ Thousand by the following Segments: Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment, & Others), and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers, & Ophthalmic Surgical Microscopes). The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa, and Latin America. Annual estimates and forecasts are provided for the period 2015 through 2022.

Also, a six-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs.

The report profiles 91 companies including many key and niche players such as -

Abbott Medical Optics, Inc.

Alcon, Inc.

Bausch & Lomb, Inc.

Carl Zeiss Meditec AG

Ellex Medical Laser Limited



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Abbott Medical Optics, Inc. (USA)

Alcon, Inc. (Switzerland)

Bausch & Lomb, Inc. (USA)



Carl Zeiss Meditec AG (Germany)
Ellex Medical Laser Limited (Australia)
HAAG-STREIT Holding (Switzerland)
Huvitz Co., Ltd. (South Korea)
Iridex Corp. (USA)
Kowa Company Ltd. (Japan)
Lumenis Ltd. (Israel)
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**Table 97.** World 14-Year Perspective for Fundus Cameras by Geographic Region - Percentage Breakdown of Value Revenues for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

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**Table 113.** World Recent Past, Current & Future Analysis for Ophthalmic Lasers by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 114.** World Historic Review for Ophthalmic Lasers by Geographic Region - US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 115.** World 14-Year Perspective for Ophthalmic Lasers by Geographic Region - Percentage Breakdown of Value Revenues for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

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**Table 127.** The US Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

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**Table 130.** The US Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

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A. Market Analysis Outlook

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**Table 133.** Canadian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

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**Table 135.** Canadian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

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**Table 136.** Canadian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes)



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**Table 138.** Canadian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

### 3. JAPAN

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**Table 139.** Japanese Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

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**Table 141.** Japanese 14-Year Perspective for Ophthalmic Instrumentation by Product Group/ Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

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**Table 142.** Japanese Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 143.** Japanese Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 144.** Japanese 14-Year Perspective for Ophthalmic Instrumentation by Product Group/ Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022



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### 4. EUROPE

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**Table 145.** European Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 146.** European Historic Review for Ophthalmic Instrumentation by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 147.** European 14-Year Perspective for Ophthalmic Instrumentation by Geographic Region - Percentage Breakdown of Volume Revenues for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

**Table 148.** European Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 149.** European Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and



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**Table 150.** European 14-Year Perspective for Ophthalmic Instrumentation by Product Group/ Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

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**Table 151.** European Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 152.** European Historic Review for Ophthalmic Instrumentation by Geographic Region - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 153.** European 14-Year Perspective for Ophthalmic Instrumentation by Geographic Region - Percentage Breakdown of Value Revenues for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

**Table 154.** European Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 155.** European Historic Review for Ophthalmic Instrumentation by Product



Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 156.** European 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### **4A. FRANCE**

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**Table 157.** French Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 158.** French Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)



**Table 159.** French 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

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**Table 160.** French Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 161.** French Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 162.** French 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

### **4B. GERMANY**

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**Table 163.** German Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 164.** German Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 165.** German 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

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**Table 166.** German Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for



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**Table 167.** German Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 168.** German 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

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**Table 169.** Italian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 170.** Italian Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual



Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 171.** Italian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

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**Table 172.** Italian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 173.** Italian Historic Review for Ophthalmic Instrumentation by Product Group/
Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps,
Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic
Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables,
Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently
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**Table 174.** Italian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### **4D. THE UNITED KINGDOM**



A. Market AnalysisOutlookStrategic Corporate DevelopmentsB. Market AnalyticsI. Unit Analytics

**Table 175.** The UK Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 176.** The UK Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 177.** The UK 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

II. Value Analytics

**Table 178.** The UK Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products



(Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 179.** The UK Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 180.** The UK 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

### **4E. SPAIN**

Market Analysis

I. Unit Analytics

**Table 181.** Spanish Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 182.** Spanish Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual



Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 183.** Spanish 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## II. Value Analytics

**Table 184.** Spanish Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 185.** Spanish Historic Review for Ophthalmic Instrumentation by Product Group/ Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 186.** Spanish 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### 4F. RUSSIA



Market Analysis

I. Unit Analytics

**Table 187.** Russian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 188.** Russian Historic Review for Ophthalmic Instrumentation by Product Group/ Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 189.** Russian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

II. Value Analytics

**Table 190.** Russian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years2015 through 2022 (includes corresponding Graph/Chart)



**Table 191.** Russian Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 192.** Russian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/ Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### **4G. REST OF EUROPE**

A. Market Analysis
Outlook
Strategic Corporate Developments
Select Players
B. Market Analytics
I. Unit Analytics

**Table 193.** Rest of Europe Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 194.** Rest of Europe Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual



Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 195.** Rest of Europe 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## II. Value Analytics

**Table 196.** Rest of Europe Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 197.** Rest of Europe Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 198.** Rest of Europe 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### 5. ASIA-PACIFIC



A. Market Analysis
Outlook
Vast Untapped Potential
Select Players
B. Market Analytics
I. Unit Analytics

**Table 199.** Asia-Pacific Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 200.** Asia-Pacific Historic Review for Ophthalmic Instrumentation by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 201.** Asia-Pacific 14-Year Perspective for Ophthalmic Instrumentation by Geographic Region - Percentage Breakdown of Volume Revenues for China, India and Rest of Asia-Pacific Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

**Table 202.** Asia-Pacific Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 203.** Asia-Pacific Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)



**Table 204.** Asia-Pacific 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## II. Value Analytics

**Table 205.** Asia-Pacific Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 206.** Asia-Pacific Historic Review for Ophthalmic Instrumentation by Geographic Region - China, India and Rest of Asia-Pacific Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 207.** Asia-Pacific 14-Year Perspective for Ophthalmic Instrumentation by Geographic Region - Percentage Breakdown of Value Revenues for China, India and Rest of Asia-Pacific Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

**Table 208.** Asia-Pacific Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 209.** Asia-Pacific Historic Review for Ophthalmic Instrumentation by Product Group/ Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently



Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 210.** Asia-Pacific 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### 5A. CHINA

A. Market Analysis
Outlook
Untapped Population Needs Offer Significant Demand Potential
B. Market Analytics
I. Unit Analytics

**Table 211.** Chinese Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 212.** Chinese Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 213.** Chinese 14-Year Perspective for Ophthalmic Instrumentation by Product Group/ Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto



Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## II. Value Analytics

**Table 214.** Chinese Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 215.** Chinese Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 216.** Chinese 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### 5B. INDIA

A. Market Analysis
Outlook
An Overview of the EyeCare Market in India
B. Market Analytics
I. Unit Analytics



**Table 217.** Indian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 218.** Indian Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 219.** Indian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/ Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

II. Value Analytics

**Table 220.** Indian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 221.** Indian Historic Review for Ophthalmic Instrumentation by Product Group/ Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps,



Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 222.** Indian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### **5C. REST OF ASIA-PACIFIC**

A. Market AnalysisOutlookStrategic Corporate DevelopmentsB. Market AnalyticsI. Unit Analytics

**Table 223.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 224.** Rest of Asia-Pacific Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)



**Table 225.** Rest of Asia-Pacific 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### II. Value Analytics

**Table 226.** Rest of Asia-Pacific Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 227.** Rest of Asia-Pacific Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 228.** Rest of Asia-Pacific 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## 6. THE MIDDLE EAST & AFRICA

A. Market Analysis
Outlook



Product Introductions/Approvals
Select Players
B. Market Analytics
I. Unit Analytics

**Table 229.** The Middle East & Africa Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 230.** The Middle East & Africa Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 231.** The Middle East & Africa 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

II. Value Analytics

**Table 232.** The Middle East & Africa Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures



in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 233.** The Middle East & Africa Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

Table 234. The Middle East & Africa 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### 7. LATIN AMERICA

A. Market AnalysisStrategic Corporate DevelopmentsB. Market AnalyticsI. Unit Analytics

**Table 235.** Latin American Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Geographic Region - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 236.** Latin American Historic Review for Ophthalmic Instrumentation by Geographic Region - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 237.** Latin American 14-Year Perspective for Ophthalmic Instrumentation by Geographic Region - Percentage Breakdown of Volume Revenues for Brazil and Rest of Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding



## Graph/Chart)

**Table 238.** Latin American Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 239.** Latin American Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 240.** Latin American 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## II. Value Analytics

**Table 241.** Latin American Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Geographic Region - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 242.** Latin American Historic Review for Ophthalmic Instrumentation by Geographic Region - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)



**Table 243.** Latin American 14-Year Perspective for Ophthalmic Instrumentation by Geographic Region - Percentage Breakdown of Value Revenues for Brazil and Rest of Latin America Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

**Table 244.** Latin American Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 245.** Latin American Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 246.** Latin American 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

### 7A. BRAZIL

Market Analysis

I. Unit Analytics

**Table 247.** Brazilian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products



(Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 248.** Brazilian Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 249.** Brazilian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/ Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## II. Value Analytics

**Table 250.** Brazilian Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 251.** Brazilian Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)



**Table 252.** Brazilian 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### **7B. REST OF LATIN AMERICA**

Market Analysis

I. Unit Analytics

**Table 253.** Rest of Latin America Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 254.** Rest of Latin America Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in Units for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 255.** Rest of Latin America 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Volume Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

#### II. Value Analytics



**Table 256.** Rest of Latin America Recent Past, Current & Future Analysis for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2015 through 2022 (includes corresponding Graph/Chart)

**Table 257.** Rest of Latin America Historic Review for Ophthalmic Instrumentation by Product Group/Segment - Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets Independently Analyzed with Annual Revenues Figures in US\$ Thousand for Years 2009 through 2014 (includes corresponding Graph/Chart)

**Table 258.** Rest of Latin America 14-Year Perspective for Ophthalmic Instrumentation by Product Group/Segment - Percentage Breakdown of Value Revenues for Diagnostic Devices (OCT Systems, Optical Biometers, Slit Lamps, Tonometers, Auto Refractors/ Keratometers, Perimeters, Fundus Cameras, Diagnostic Ultrasound Equipment and Others) and Surgical Products (Ophthalmic Disposables, Ophthalmic Lasers and Ophthalmic Surgical Microscopes) Markets for Years 2009, 2016 & 2022 (includes corresponding Graph/Chart)

## IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 91 (including Divisions/Subsidiaries - 112)

The United States (49)

Japan (9)

Europe (39)

France (5)

Germany (13)

The United Kingdom (6)

Italy (5)

Rest of Europe (10)

Asia-Pacific (Excluding Japan) (12)

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