

Europe Adaptive Optics Market By Component (Wavefront Sensors, Deformable Mirrors (Wavefront Correctors) and Control System), By Application (Microscopy, Ophthalmology, Laser Application and Other Applications), By Country, Industry Analysis and Forecast, 2020 - 2026

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Abstracts

The Europe Adaptive Optics Market would witness market growth of 13.1% CAGR during the forecast period (2020-2026).

In Europe, the market is anticipated to experience major development during the forecast period. Steady adoption and improvement of Adaptive optics devices for utilization in the biomedical field are anticipated to boost the market development in Europe. Imagine Eyes, an organization situated in France, has devised an adaptive optics retinal camera, rtx1 for analyzing the retina in a more exact way. This item by the organization is massively utilized for research purposes. In July 2020, the professors and specialists utilized rtx 1 to comprehend the impact of cardiometabolic conditions on the retina. According to a recent report published by Clinical Research in Cardiology, they studied the retinas of 429 volunteers with various cardiometabolic issues utilizing the rtx 1 AO retinal camera.

Wavefront correctors are the most Adaptive component in AO and deformable mirrors are utilized for this function. These mirrors are thin and adaptable reflective layers, whose structure or shape is controlled by numerous mechanisms. On the basis of the application, DM is chosen. They accompany advanced details like actuator count, speed, stoke, inter-actuator coupling, and surface finish. These specifications of DM vary dependent on the application for which they are being utilized. In this way, players

are focusing on creating explicit DM for various applications to enter the market or to sustain in the market, consequently, decidedly affecting the overall market development.

Based on Component, the market is segmented into Wavefront Sensors, Deformable Mirrors (Wavefront Correctors) and Control System. Based on Application, the market is segmented into Microscopy, Ophthalmology, Laser Application and Other Applications. Based on countries, the market is segmented into Germany, UK, France, Russia, Spain, Italy, and Rest of Europe.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Teledyne Technologies, Inc., Northrop Grumman Corporation, Adaptica S.r.l (He Vision Group), Thorlabs, Inc., Iris AO, Inc., Active Optical Systems Ltd., Flexible Optical B.V., Imagine Optic SA, Boston Micromachines Corporation and Phasics Corporation.

Scope of the Study

Market Segmentation:

By Component

Wavefront Sensors

Deformable Mirrors (Wavefront Correctors)

Control System

By Application

Microscopy

Ophthalmology

Laser Application

Other Applications

By Country

Germany

UK

France

Russia

Spain

Italy

Rest of Europe

Companies Profiled

Teledyne Technologies, Inc.

Northrop Grumman Corporation

Adaptica S.r.l (He Vision Group)

Thorlabs, Inc.

Iris AO, Inc.

Active Optical Systems Ltd.

Flexible Optical B.V.

Imagine Optic SA

Boston Micromachines Corporation

Phasics Corporation

Unique Offerings from KBV Research

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Contents

CHAPTER 1. MARKET SCOPE & METHODOLOGY

- 1.1 Market Definition
- 1.2 Objectives
- 1.3 Market Scope
- 1.4 Segmentation
 - 1.4.1 Europe Adaptive Optics Market, by Component
 - 1.4.2 Europe Adaptive Optics Market, by Application
 - 1.4.3 Europe Adaptive Optics Market, by Country
- 1.5 Methodology for the research

CHAPTER 2. MARKET OVERVIEW

- 2.1 Introduction
 - 2.1.1 Overview
 - 2.1.2 Market Composition
- 2.2 Key Factors Impacting the Market
 - 2.2.1 Market Drivers
 - 2.2.2 Market Restraints

CHAPTER 3. RECENT DEVELOPMENTS IN GLOBAL ADAPTIVE OPTICS MARKET

CHAPTER 4. EUROPE ADAPTIVE OPTICS MARKET BY COMPONENT

- 4.1 Europe Wavefront Sensors Market by Country
- 4.2 Europe Deformable Mirrors (Wavefront Correctors) Market by Country
- 4.3 Europe Control System Market by Country

CHAPTER 5. EUROPE ADAPTIVE OPTICS MARKET BY APPLICATION

- 5.1 Europe Microscopy Market by Country
- 5.2 Europe Ophthalmology Market by Country
- 5.3 Europe Laser Application Market by Country
- 5.4 Europe Other Applications Market by Country

CHAPTER 6. EUROPE ADAPTIVE OPTICS MARKET BY COUNTRY

- 6.1 Germany Adaptive Optics Market
 - 6.1.1 Germany Adaptive Optics Market by Component
 - 6.1.2 Germany Adaptive Optics Market by Application
- 6.2 UK Adaptive Optics Market
 - 6.2.1 UK Adaptive Optics Market by Component
 - 6.2.2 UK Adaptive Optics Market by Application
- 6.3 France Adaptive Optics Market
 - 6.3.1 France Adaptive Optics Market by Component
 - 6.3.2 France Adaptive Optics Market by Application
- 6.4 Russia Adaptive Optics Market
 - 6.4.1 Russia Adaptive Optics Market by Component
 - 6.4.2 Russia Adaptive Optics Market by Application
- 6.5 Spain Adaptive Optics Market
 - 6.5.1 Spain Adaptive Optics Market by Component
 - 6.5.2 Spain Adaptive Optics Market by Application
- 6.6 Italy Adaptive Optics Market
 - 6.6.1 Italy Adaptive Optics Market by Component
 - 6.6.2 Italy Adaptive Optics Market by Application
- 6.7 Rest of Europe Adaptive Optics Market
 - 6.7.1 Rest of Europe Adaptive Optics Market by Component
 - 6.7.2 Rest of Europe Adaptive Optics Market by Application

CHAPTER 7. COMPANY PROFILES

- 7.1 Teledyne Technologies, Inc.
 - 7.1.1 Company Overview
 - 7.1.2 Financial Analysis
 - 7.1.3 Segmental and Regional Analysis
 - 7.1.4 Recent strategies and developments:
 - 7.1.4.1 Product Launches and Product Expansions:
 - 7.1.4.2 Acquisition and Mergers:
 - 7.1.4.3 Partnerships, Collaborations, and Agreements:
- 7.2 Northrop Grumman Corporation
 - 7.2.1 Company Overview
 - 7.2.2 Financial Analysis
 - 7.2.3 Segmental and Regional Analysis
 - 7.2.4 Research and Development Expense
- 7.3 Adaptica S.r.l (He Vision Group)
 - 7.3.1 Company Overview

7.4 Thorlabs, Inc.

7.4.1 Company Overview

7.5 Iris AO, Inc.

7.5.1 Company Overview

7.6 Active Optical Systems Ltd.

7.6.1 Company Overview

7.7 Flexible Optical B.V.

7.7.1 Company Overview

7.8 Imagine Optic SA

7.8.1 Company Overview

7.9 Boston Micromachines Corporation

7.9.1 Company Overview

7.9.2 Recent strategies and developments:

7.9.2.1 Product Launches and Product Expansions:

7.10. Phasics Corporation

7.10.1 Company Overview

List Of Tables

LIST OF TABLES

TABLE 1 EUROPE ADAPTIVE OPTICS MARKET, 2016 - 2019, USD MILLION

TABLE 2 EUROPE ADAPTIVE OPTICS MARKET, 2020 - 2026, USD MILLION

TABLE 3 EUROPE ADAPTIVE OPTICS MARKET BY COMPONENT, 2016 - 2019, USD MILLION

TABLE 4 EUROPE ADAPTIVE OPTICS MARKET BY COMPONENT, 2020 - 2026, USD MILLION

TABLE 5 EUROPE WAVEFRONT SENSORS MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 6 EUROPE WAVEFRONT SENSORS MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 7 EUROPE DEFORMABLE MIRRORS (WAVEFRONT CORRECTORS) MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 8 EUROPE DEFORMABLE MIRRORS (WAVEFRONT CORRECTORS) MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 9 EUROPE CONTROL SYSTEM MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 10 EUROPE CONTROL SYSTEM MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 11 EUROPE ADAPTIVE OPTICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 12 EUROPE ADAPTIVE OPTICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 13 EUROPE MICROSCOPY MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 14 EUROPE MICROSCOPY MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 15 EUROPE OPHTHALMOLOGY MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 16 EUROPE OPHTHALMOLOGY MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 17 EUROPE LASER APPLICATION MARKET BY COUNTRY, 2016 - 2019, USD MILLION

TABLE 18 EUROPE LASER APPLICATION MARKET BY COUNTRY, 2020 - 2026, USD MILLION

TABLE 19 EUROPE OTHER APPLICATIONS MARKET BY COUNTRY, 2016 - 2019,

USD MILLION

TABLE 20 EUROPE OTHER APPLICATIONS MARKET BY COUNTRY, 2020 - 2026,
USD MILLION

TABLE 21 EUROPE ADAPTIVE OPTICS MARKET BY COUNTRY, 2016 - 2019, USD
MILLION

TABLE 22 EUROPE ADAPTIVE OPTICS MARKET BY COUNTRY, 2020 - 2026, USD
MILLION

TABLE 23 GERMANY ADAPTIVE OPTICS MARKET, 2016 - 2019, USD MILLION

TABLE 24 GERMANY ADAPTIVE OPTICS MARKET, 2020 - 2026, USD MILLION

TABLE 25 GERMANY ADAPTIVE OPTICS MARKET BY COMPONENT, 2016 - 2019,
USD MILLION

TABLE 26 GERMANY ADAPTIVE OPTICS MARKET BY COMPONENT, 2020 - 2026,
USD MILLION

TABLE 27 GERMANY ADAPTIVE OPTICS MARKET BY APPLICATION, 2016 - 2019,
USD MILLION

TABLE 28 GERMANY ADAPTIVE OPTICS MARKET BY APPLICATION, 2020 - 2026,
USD MILLION

TABLE 29 UK ADAPTIVE OPTICS MARKET, 2016 - 2019, USD MILLION

TABLE 30 UK ADAPTIVE OPTICS MARKET, 2020 - 2026, USD MILLION

TABLE 31 UK ADAPTIVE OPTICS MARKET BY COMPONENT, 2016 - 2019, USD
MILLION

TABLE 32 UK ADAPTIVE OPTICS MARKET BY COMPONENT, 2020 - 2026, USD
MILLION

TABLE 33 UK ADAPTIVE OPTICS MARKET BY APPLICATION, 2016 - 2019, USD
MILLION

TABLE 34 UK ADAPTIVE OPTICS MARKET BY APPLICATION, 2020 - 2026, USD
MILLION

TABLE 35 FRANCE ADAPTIVE OPTICS MARKET, 2016 - 2019, USD MILLION

TABLE 36 FRANCE ADAPTIVE OPTICS MARKET, 2020 - 2026, USD MILLION

TABLE 37 FRANCE ADAPTIVE OPTICS MARKET BY COMPONENT, 2016 - 2019,
USD MILLION

TABLE 38 FRANCE ADAPTIVE OPTICS MARKET BY COMPONENT, 2020 - 2026,
USD MILLION

TABLE 39 FRANCE ADAPTIVE OPTICS MARKET BY APPLICATION, 2016 - 2019,
USD MILLION

TABLE 40 FRANCE ADAPTIVE OPTICS MARKET BY APPLICATION, 2020 - 2026,
USD MILLION

TABLE 41 RUSSIA ADAPTIVE OPTICS MARKET, 2016 - 2019, USD MILLION

TABLE 42 RUSSIA ADAPTIVE OPTICS MARKET, 2020 - 2026, USD MILLION

TABLE 43 RUSSIA ADAPTIVE OPTICS MARKET BY COMPONENT, 2016 - 2019, USD MILLION

TABLE 44 RUSSIA ADAPTIVE OPTICS MARKET BY COMPONENT, 2020 - 2026, USD MILLION

TABLE 45 RUSSIA ADAPTIVE OPTICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 46 RUSSIA ADAPTIVE OPTICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 47 SPAIN ADAPTIVE OPTICS MARKET, 2016 - 2019, USD MILLION

TABLE 48 SPAIN ADAPTIVE OPTICS MARKET, 2020 - 2026, USD MILLION

TABLE 49 SPAIN ADAPTIVE OPTICS MARKET BY COMPONENT, 2016 - 2019, USD MILLION

TABLE 50 SPAIN ADAPTIVE OPTICS MARKET BY COMPONENT, 2020 - 2026, USD MILLION

TABLE 51 SPAIN ADAPTIVE OPTICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 52 SPAIN ADAPTIVE OPTICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 53 ITALY ADAPTIVE OPTICS MARKET, 2016 - 2019, USD MILLION

TABLE 54 ITALY ADAPTIVE OPTICS MARKET, 2020 - 2026, USD MILLION

TABLE 55 ITALY ADAPTIVE OPTICS MARKET BY COMPONENT, 2016 - 2019, USD MILLION

TABLE 56 ITALY ADAPTIVE OPTICS MARKET BY COMPONENT, 2020 - 2026, USD MILLION

TABLE 57 ITALY ADAPTIVE OPTICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 58 ITALY ADAPTIVE OPTICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

TABLE 59 REST OF EUROPE ADAPTIVE OPTICS MARKET, 2016 - 2019, USD MILLION

TABLE 60 REST OF EUROPE ADAPTIVE OPTICS MARKET, 2020 - 2026, USD MILLION

TABLE 61 REST OF EUROPE ADAPTIVE OPTICS MARKET BY COMPONENT, 2016 - 2019, USD MILLION

TABLE 62 REST OF EUROPE ADAPTIVE OPTICS MARKET BY COMPONENT, 2020 - 2026, USD MILLION

TABLE 63 REST OF EUROPE ADAPTIVE OPTICS MARKET BY APPLICATION, 2016 - 2019, USD MILLION

TABLE 64 REST OF EUROPE ADAPTIVE OPTICS MARKET BY APPLICATION, 2020 - 2026, USD MILLION

- 2026, USD MILLION

TABLE 65 KEY INFORMATION – TELEDYNE TECHNOLOGIES, INC.

TABLE 66 KEY INFORMATION – NORTHROP GRUMMAN CORPORATION

TABLE 67 KEY INFORMATION – ADAPTICA S.R.L

TABLE 68 KEY INFORMATION – THORLABS, INC.

TABLE 69 KEY INFORMATION – IRIS AO, INC.

TABLE 70 KEY INFORMATION – ACTIVE OPTICAL SYSTEMS LTD.

TABLE 71 KEY INFORMATION – FLEXIBLE OPTICAL B.V.

TABLE 72 KEY INFORMATION – IMAGINE OPTIC SA

TABLE 73 KEY INFORMATION – BOSTON MICROMACHINES CORPORATION

TABLE 74 KEY INFORMATION – PHASICS CORPORATION

List Of Figures

LIST OF FIGURES

FIG 1 METHODOLOGY FOR THE RESEARCH

FIG 2 RECENT STRATEGIES AND DEVELOPMENTS: TELEDYNE TECHNOLOGIES, INC.

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