

# Technology Landscape, Trends and Opportunities in the Global Optical Imaging Market

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## Abstracts

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The technologies in optical imaging has undergone significant change in recent years, with near-infrared spectroscopy based optical coherence tomography based optical imaging. The rising wave of new technologies such as optical coherence tomography and photoacoustic tomography technology are creating significant potential for advanced optical imaging in various medical platforms due to its benefits of reducing the patient's exposure to harmful radiation by using non-ionizing radiations.

In optical imaging market, various technologies such as optical coherence tomography, near-infrared spectroscopy, hyperspectral imaging, and photoacoustic tomography technologies are used in the ophthalmology, dentistry, dermatology, cardiology, neurology, oncology, and biotechnology applications. Increasing prevalence of eye disorders, rising geriatric population, widening application areas of optical imaging technologies, and growing need to minimize the use of radiation technologies are creating new opportunities for various optical imaging technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the optical imaging market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecasts and strategic implications for the global optical imaging technology by application, technology, and region as follows:

Technology Readiness by Technology Type

Competitive Intensity and Regulatory Compliance

Disruption Potential by Technology Type

Trends and Forecasts by Technology Type [\$M shipment analysis from 2018 to 2030]:

Optical Coherence Tomography

Near-Infrared Spectroscopy

Hyperspectral Imaging

Photoacoustic Tomography

Technology Trends and Forecasts by Application [\$M shipment analysis from 2018 to 2030]:

Ophthalmology

Optical Coherence Tomography

Near-Infrared Spectroscopy

Hyperspectral Imaging

Photoacoustic Tomography

Dentistry

Optical Coherence Tomography

Near-Infrared Spectroscopy

Hyperspectral Imaging

Photoacoustic Tomography

Dermatology

Optical Coherence Tomography

Near-Infrared Spectroscopy

Hyperspectral Imaging

Photoacoustic Tomography

Cardiology

Optical Coherence Tomography

Near-Infrared Spectroscopy

Hyperspectral Imaging

Photoacoustic Tomography

Neurology

Optical Coherence Tomography

Near-Infrared Spectroscopy

Hyperspectral Imaging

Photoacoustic Tomography

Oncology

Optical Coherence Tomography

Near-Infrared Spectroscopy

Hyperspectral Imaging

Photoacoustic Tomography

Biotechnology and Research

Optical Coherence Tomography

Near-Infrared Spectroscopy

Hyperspectral Imaging

Photoacoustic Tomography

Others

Optical Coherence Tomography

Near-Infrared Spectroscopy

Hyperspectral Imaging

Photoacoustic Tomography

Technology Trends and Forecasts by Region [\$M shipment analysis for 2018  
t%li%2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

Latest Developments and Innovations in the Optical imaging Technologies

Companies / Ecosystems

Strategic Opportunities by Technology Type

Some of the optical imaging companies profiled in this report include Topcon Medical Systems, St. Jude Medical, Carl Zeiss Meditec, Leica Microsystems, Heidelberg Engineering, PerkinElmer, and Optovue.

This report answers following 9 key questions:

Q.1 What are some of the most promising and high-growth technology opportunities for the optical imaging market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in optical imaging market?

Q.4 What are the levels of technology readiness, competitive intensity and regulatory

compliance in this technology space?

Q.5 What are the business risks and threats to these technologies in optical imaging market?

Q.6 What are the latest developments in optical imaging technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Who are the major players in this optical imaging market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this optical imaging technology space?

## Contents

### 1. EXECUTIVE SUMMARY

### 2. TECHNOLOGY LANDSCAPE

- 2.1. Technology Background and Evolution
- 2.2. Technology and Application Mapping
- 2.3. Supply Chain

### 3. TECHNOLOGY READINESS

- 3.1. Technology Commercialization and Readiness
- 3.2. Drivers and Challenges in Optical Imaging Technologies
- 3.3. Competitive Intensity
- 3.4. Regulatory Compliance

### 4. TECHNOLOGY TRENDS AND FORECASTS ANALYSIS FROM 2018-2030

- 4.1. Optical Imaging Opportunity
- 4.2. Technology Trends (2018-2023) and Forecasts (2024-2030)
  - 4.2.1. Optical Coherence Tomography
  - 4.2.2. Near-Infrared Spectroscopy
  - 4.2.3. Hyperspectral Imaging
  - 4.2.4. Photoacoustic Tomography
- 4.3. Technology Trends (2018-2023) and Forecasts (2024-2030) by Application Segments
  - 4.3.1. Ophthalmology
    - 4.3.1.1. Optical Coherence Tomography
    - 4.3.1.2. Near-Infrared Spectroscopy
    - 4.3.1.3. Hyperspectral Imaging
    - 4.3.1.4. Photoacoustic Tomography
  - 4.3.2. Dentistry
    - 4.3.2.1. Optical Coherence Tomography
    - 4.3.2.2. Near-Infrared Spectroscopy
    - 4.3.2.3. Hyperspectral Imaging
    - 4.3.2.4. Photoacoustic Tomography
  - 4.3.3. Dermatology
    - 4.3.3.1. Optical Coherence Tomography

- 4.3.3.2. Near-Infrared Spectroscopy
- 4.3.3.3. Hyperspectral Imaging
- 4.3.3.4. Photoacoustic Tomography
- 4.3.4. Cardiology
  - 4.3.4.1. Optical Coherence Tomography
  - 4.3.4.2. Near-Infrared Spectroscopy
  - 4.3.4.3. Hyperspectral Imaging
  - 4.3.4.4. Photoacoustic Tomography
- 4.3.5. Neurology
  - 4.3.5.1. Optical Coherence Tomography
  - 4.3.5.2. Near-Infrared Spectroscopy
  - 4.3.5.3. Hyperspectral Imaging
  - 4.3.5.4. Photoacoustic Tomography
- 4.3.6. Oncology
  - 4.3.6.1. Optical Coherence Tomography
  - 4.3.6.2. Near-Infrared Spectroscopy
  - 4.3.6.3. Hyperspectral Imaging
  - 4.3.6.4. Photoacoustic Tomography
- 4.3.7. Biotechnology and Research
  - 4.3.7.1. Optical Coherence Tomography
  - 4.3.7.2. Near-Infrared Spectroscopy
  - 4.3.7.3. Hyperspectral Imaging
  - 4.3.7.4. Photoacoustic Tomography
- 4.3.8. Others

## **5. TECHNOLOGY OPPORTUNITIES (2013-2024) BY REGION**

- 5.1. Optical Imaging Market by Region
- 5.2. North American Optical Imaging Technology Market
  - 5.2.1. United States Optical Imaging Technology Market
  - 5.2.2. Canadian Optical Imaging Technology Market
  - 5.2.3. Mexican Optical Imaging Technology Market
- 5.3. European Optical Imaging Technology Market
  - 5.3.1. The United Kingdom Optical Imaging Technology Market
  - 5.3.2. German Automotive Optical Imaging Technology Market
  - 5.3.3. French Automotive Optical Imaging Technology Market
- 5.4. APAC Optical Imaging Technology Market
  - 5.4.1. Chinese Optical Imaging System Technology Market
  - 5.4.2. Japanese Optical Imaging System Technology Market



- 5.4.3. Indian Optical Imaging System Technology Market
- 5.4.4. South Korean Optical Imaging Technology Market
- 5.5. ROW Optical Imaging Technology Market

## **6. LATEST DEVELOPMENTS AND INNOVATIONS IN THE OPTICAL IMAGING TECHNOLOGIES**

### **7. COMPANIES / ECOSYSTEM**

- 7.1. Product Portfolio Analysis
- 7.2. Market Share Analysis
- 7.3. Geographical Reach

### **8. STRATEGIC IMPLICATIONS**

- 8.1. Implications
- 8.2. Growth Opportunity Analysis
  - 8.2.1. Growth Opportunities for the Optical Imaging Market by Technology Type
  - 8.2.2. Growth Opportunities for the Optical Imaging Market by Application
  - 8.2.3. Growth Opportunities for the Optical Imaging Market by Region
- 8.3. Emerging Trends in the Optical Imaging Market
- 8.4. Disruption Potential
- 8.5. Strategic Analysis
  - 8.5.1. New Product Development
  - 8.5.2. Capacity Expansion of the Optical Imaging Market
  - 8.5.3. Mergers, Acquisitions, and Joint Ventures in the Optical Imaging Market

### **9. COMPANY PROFILES OF LEADING PLAYERS**

- 9.1. Topcon Medical Systems
- 9.2. St. Jude Medical
- 9.3. Carl Zeiss Meditec
- 9.4. Leica Microsystems
- 9.5. Heidelberg Engineering
- 9.6. PerkinElmer
- 9.7. Optovue

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