

# **Zygomatic and Pterygoid Implants Market- Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Product Length (Upto 30 mm, 30 - 50 mm, Above 50 mm), By Application (Maxillary Sinuses, Severe Atrophy of Maxillary Bone, Other), By End User (Hospitals, Dental Clinics, Others), By Region & Competition, 2020-2030F**

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## **Abstracts**

The Global Zygomatic and Pterygoid Implants Market was valued at USD 247.58 million in 2024 and is expected to experience robust growth during the forecast period, with a compound annual growth rate (CAGR) of 6.54%, reaching USD 380.85 million by 2030. Zygomatic and pterygoid implants represent advanced solutions in dental implantology, offering innovative alternatives for individuals with severe maxillary bone deficiencies. Traditional dental implants require adequate bone volume for successful anchorage, but when the bone is insufficient or compromised, zygomatic and pterygoid implants provide viable alternatives.

Zygomatic implants are specialized devices anchored directly into the zygomatic bone (cheekbone), bypassing the need for extensive bone grafting, which can be time-consuming and require a lengthy healing process. By utilizing the strong zygomatic bone, dental professionals can create a stable foundation for implant-supported prosthetics. Pterygoid implants, placed in the pterygoid plate (a bony structure behind the upper jaw), are ideal for patients with severely atrophied maxillary bone, where traditional implants would be ineffective. Both implant techniques require specialized training and expertise, positioning them as advanced options within the implant dentistry field.

## Key Market Drivers

### Rising Prevalence of Oral Diseases

The increasing prevalence of oral diseases is a major driver for the demand for zygomatic and pterygoid implants in the implant dentistry sector. Oral diseases, including periodontitis and severe maxillary bone deficiencies, create challenges for conventional implant procedures. When the jawbone is compromised, whether due to disease or other factors, traditional implant methods may not be viable. Zygomatic and pterygoid implants address this gap by offering alternatives for individuals with significant bone loss.

For example, according to the European Federation of Periodontology, periodontal diseases are highly prevalent in Europe, affecting approximately 80% of people over 35 years old. Such diseases significantly contribute to healthcare costs among adults and the elderly. As the geriatric population grows, the incidence of dental diseases is expected to increase, thus driving demand for advanced treatments. Periodontitis, a chronic inflammatory gum disease, is a leading cause of tooth loss and, in advanced stages, can cause substantial bone loss in the jaw, making traditional implants unfeasible. Zygomatic and pterygoid implants offer a lifeline for these patients, enabling them to regain oral function and aesthetics. Additionally, oral cancers and the resulting bone loss after treatments such as radiation therapy pose further challenges for traditional implants. Zygomatic and pterygoid implants provide an effective solution by anchoring to alternative, structurally sound areas of the skull.

## Key Market Challenges

### High Rate of Implant-Associated Infections

One significant challenge to the growth and adoption of zygomatic and pterygoid implants in the dental industry is the high risk of implant-associated infections. While these advanced implants provide groundbreaking solutions for individuals with severe maxillary bone deficiencies, the potential for infections remains a prominent concern. Implant-associated infections may arise from bacterial contamination during surgery or from pathogens introduced post-operatively. These infections can lead to complications such as peri-implantitis, which involves inflammation and bone loss around the implant site. In severe cases, implant failure may occur, requiring removal and re-implantation, a process that can be complex and challenging.

The management of implant-associated infections requires specialized knowledge and expertise, creating an additional burden for dental professionals. To mitigate the risk of infection, thorough pre-operative assessments, precise surgical techniques, and comprehensive post-operative care protocols are essential.

## Key Market Trends

### Global Expansion of Implantology

The global expansion of implantology has been a key factor driving the growth of the zygomatic and pterygoid implants market. As implant dentistry continues to gain prominence worldwide, there is increasing recognition of the need for advanced solutions to treat complex cases of maxillary bone deficiencies. Zygomatic and pterygoid implants have emerged as breakthrough techniques, offering viable options for patients previously considered ineligible for traditional implant procedures.

This growing awareness and acceptance of dental implants as the preferred method for tooth replacement are driving the demand for innovative solutions such as zygomatic and pterygoid implants. Several factors contribute to this shift, including the desire for permanent, natural-looking solutions, improved oral health outcomes, and enhanced quality of life for patients. As implant procedures become more commonplace, the need for specialized techniques, such as zygomatic and pterygoid implants, has surged.

Technological advancements have further expanded the capabilities of implant dentistry. The introduction of sophisticated imaging technologies, such as cone-beam computed tomography (CBCT), has enabled precise pre-operative planning for zygomatic and pterygoid implant placement. This technology ensures optimal outcomes by providing accurate details for surgery, thereby reducing risks associated with these complex procedures. Additionally, the global spread of implantology expertise through training programs, workshops, and conferences has facilitated the adoption of advanced implant techniques worldwide. As dental professionals acquire specialized skills and knowledge, the demand for innovative implant solutions, including zygomatic and pterygoid implants, is expected to continue growing.

## Key Market Players

Straumann Holding AG

Noris Medical

S.I.N. Implant System

Southern Implants

IDC Implant & Dental Company

Danaher Corporation (NobelBiocare)

Bioline Dental Implant Systems Ltd

#### Report Scope:

In this report, the Global Zygomatic and Pterygoid Implants Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### Zygomatic and Pterygoid Implants Market, By Product Length:

Upto 30 mm

30 - 50 mm

Above 50 mm

#### Zygomatic and Pterygoid Implants Market, By Application:

Maxillary Sinuses

Severe Atrophy of Maxillary Bone

Other

#### Zygomatic and Pterygoid Implants Market, By Application:

Hospitals

Dental Clinics

Other

Zygomatic and Pterygoid Implants Market, By Region:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

South Korea

Australia

Japan

Europe

Germany

France

United Kingdom

Spain

Italy

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

Egypt

## Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Zygomatic and Pterygoid Implants Market.

## Available Customizations:

Global Zygomatic and Pterygoid Implants Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

## Company Information

Detailed analysis and profiling of additional market players (up to five).

## Contents

### **1. PRODUCT OVERVIEW**

- 1.1. Market Definition
- 1.2. Scope of the Market
  - 1.2.1. Markets Covered
  - 1.2.2. Years Considered for Study
  - 1.2.3. Key Market Segmentations

### **2. RESEARCH METHODOLOGY**

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Applications
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

### **3. EXECUTIVE SUMMARY**

- 3.1. Overview of the Market
- 3.2. Overview of Key Market Segmentations
- 3.3. Overview of Key Market Players
- 3.4. Overview of Key Regions/Countries
- 3.5. Overview of Market Drivers, Challenges, Trends

### **4. IMPACT OF COVID-19 ON GLOBAL ZYGOMATIC AND PTERYGOID IMPLANTS MARKET**

### **5. VOICE OF CUSTOMER**

### **6. GLOBAL ZYGOMATIC AND PTERYGOID IMPLANTS MARKET OUTLOOK**

- 6.1. Market Size & Forecast
  - 6.1.1. By Value
- 6.2. Market Share & Forecast
  - 6.2.1. By Product Length (Upto 30 mm, 30 - 50 mm, Above 50 mm)

- 6.2.2. By Application (Maxillary Sinuses, Severe Atrophy of Maxillary Bone, Other)
- 6.2.3. By End User (Hospitals, Dental Clinics, Others)
- 6.2.4. By Region
- 6.2.5. By Company (2024)
- 6.3. Market Map

## **7. ASIA PACIFIC ZYGOMATIC AND PTERYGOID IMPLANTS MARKET OUTLOOK**

- 7.1. Market Size & Forecast
  - 7.1.1. By Value
- 7.2. Market Share & Forecast
  - 7.2.1. By Product Length
  - 7.2.2. By Application
  - 7.2.3. By End User
  - 7.2.4. By Country
- 7.3. Asia Pacific: Country Analysis
  - 7.3.1. China Zygomatic and Pterygoid Implants Market Outlook
    - 7.3.1.1. Market Size & Forecast
      - 7.3.1.1.1. By Value
    - 7.3.1.2. Market Share & Forecast
      - 7.3.1.2.1. By Product Length
      - 7.3.1.2.2. By Application
      - 7.3.1.2.3. By End User
  - 7.3.2. India Zygomatic and Pterygoid Implants Market Outlook
    - 7.3.2.1. Market Size & Forecast
      - 7.3.2.1.1. By Value
    - 7.3.2.2. Market Share & Forecast
      - 7.3.2.2.1. By Product Length
      - 7.3.2.2.2. By Application
      - 7.3.2.2.3. By End User
  - 7.3.3. Australia Zygomatic and Pterygoid Implants Market Outlook
    - 7.3.3.1. Market Size & Forecast
      - 7.3.3.1.1. By Value
    - 7.3.3.2. Market Share & Forecast
      - 7.3.3.2.1. By Product Length
      - 7.3.3.2.2. By Application
      - 7.3.3.2.3. By End User
  - 7.3.4. Japan Zygomatic and Pterygoid Implants Market Outlook
    - 7.3.4.1. Market Size & Forecast



- 7.3.4.1.1. By Value
- 7.3.4.2. Market Share & Forecast
  - 7.3.4.2.1. By Product Length
  - 7.3.4.2.2. By Application
  - 7.3.4.2.3. By End User
- 7.3.5. South Korea Zygomatic and Pterygoid Implants Market Outlook
  - 7.3.5.1. Market Size & Forecast
    - 7.3.5.1.1. By Value
  - 7.3.5.2. Market Share & Forecast
    - 7.3.5.2.1. By Product Length
    - 7.3.5.2.2. By Application
    - 7.3.5.2.3. By End User

## **8. EUROPE ZYGOMATIC AND PTERYGOID IMPLANTS MARKET OUTLOOK**

- 8.1. Market Size & Forecast
  - 8.1.1. By Value
- 8.2. Market Share & Forecast
  - 8.2.1. By Product Length
  - 8.2.2. By Application
  - 8.2.3. By End User
  - 8.2.4. By Country
- 8.3. Europe: Country Analysis
  - 8.3.1. France Zygomatic and Pterygoid Implants Market Outlook
    - 8.3.1.1. Market Size & Forecast
      - 8.3.1.1.1. By Value
    - 8.3.1.2. Market Share & Forecast
      - 8.3.1.2.1. By Product Length
      - 8.3.1.2.2. By Application
      - 8.3.1.2.3. By End User
  - 8.3.2. Germany Zygomatic and Pterygoid Implants Market Outlook
    - 8.3.2.1. Market Size & Forecast
      - 8.3.2.1.1. By Value
    - 8.3.2.2. Market Share & Forecast
      - 8.3.2.2.1. By Product Length
      - 8.3.2.2.2. By Application
      - 8.3.2.2.3. By End User
  - 8.3.3. Spain Zygomatic and Pterygoid Implants Market Outlook
    - 8.3.3.1. Market Size & Forecast

- 8.3.3.1.1. By Value
- 8.3.3.2. Market Share & Forecast
  - 8.3.3.2.1. By Product Length
  - 8.3.3.2.2. By Application
  - 8.3.3.2.3. By End User
- 8.3.4. Italy Zygomatic and Pterygoid Implants Market Outlook
  - 8.3.4.1. Market Size & Forecast
    - 8.3.4.1.1. By Value
  - 8.3.4.2. Market Share & Forecast
    - 8.3.4.2.1. By Product Length
    - 8.3.4.2.2. By Application
    - 8.3.4.2.3. By End User
- 8.3.5. United Kingdom Zygomatic and Pterygoid Implants Market Outlook
  - 8.3.5.1. Market Size & Forecast
    - 8.3.5.1.1. By Value
  - 8.3.5.2. Market Share & Forecast
    - 8.3.5.2.1. By Product Length
    - 8.3.5.2.2. By Application
    - 8.3.5.2.3. By End User

## **9. NORTH AMERICA ZYGOMATIC AND PTERYGOID IMPLANTS MARKET OUTLOOK**

- 9.1. Market Size & Forecast
  - 9.1.1. By Value
- 9.2. Market Share & Forecast
  - 9.2.1. By Product Length
  - 9.2.2. By Application
  - 9.2.3. By End User
  - 9.2.4. By Country
- 9.3. North America: Country Analysis
  - 9.3.1. United States Zygomatic and Pterygoid Implants Market Outlook
    - 9.3.1.1. Market Size & Forecast
      - 9.3.1.1.1. By Value
    - 9.3.1.2. Market Share & Forecast
      - 9.3.1.2.1. By Product Length
      - 9.3.1.2.2. By Application
      - 9.3.1.2.3. By End User
  - 9.3.2. Mexico Zygomatic and Pterygoid Implants Market Outlook

- 9.3.2.1. Market Size & Forecast
  - 9.3.2.1.1. By Value
- 9.3.2.2. Market Share & Forecast
  - 9.3.2.2.1. By Product Length
  - 9.3.2.2.2. By Application
  - 9.3.2.2.3. By End User
- 9.3.3. Canada Zygomatic and Pterygoid Implants Market Outlook
  - 9.3.3.1. Market Size & Forecast
    - 9.3.3.1.1. By Value
  - 9.3.3.2. Market Share & Forecast
    - 9.3.3.2.1. By Product Length
    - 9.3.3.2.2. By Application
    - 9.3.3.2.3. By End User

## **10. SOUTH AMERICA ZYGOMATIC AND PTERYGOID IMPLANTS MARKET OUTLOOK**

- 10.1. Market Size & Forecast
  - 10.1.1. By Value
- 10.2. Market Share & Forecast
  - 10.2.1. By Product Length
  - 10.2.2. By Application
  - 10.2.3. By End User
  - 10.2.4. By Country
- 10.3. South America: Country Analysis
  - 10.3.1. Brazil Zygomatic and Pterygoid Implants Market Outlook
    - 10.3.1.1. Market Size & Forecast
      - 10.3.1.1.1. By Value
    - 10.3.1.2. Market Share & Forecast
      - 10.3.1.2.1. By Product Length
      - 10.3.1.2.2. By Application
      - 10.3.1.2.3. By End User
  - 10.3.2. Argentina Zygomatic and Pterygoid Implants Market Outlook
    - 10.3.2.1. Market Size & Forecast
      - 10.3.2.1.1. By Value
    - 10.3.2.2. Market Share & Forecast
      - 10.3.2.2.1. By Product Length
      - 10.3.2.2.2. By Application
      - 10.3.2.2.3. By End User

### 10.3.3. Colombia Zygomatic and Pterygoid Implants Market Outlook

#### 10.3.3.1. Market Size & Forecast

##### 10.3.3.1.1. By Value

#### 10.3.3.2. Market Share & Forecast

##### 10.3.3.2.1. By Product Length

##### 10.3.3.2.2. By Application

##### 10.3.3.2.3. By End User

## **11. MIDDLE EAST AND AFRICA ZYGOMATIC AND PTERYGOID IMPLANTS MARKET OUTLOOK**

### 11.1. Market Size & Forecast

#### 11.1.1. By Value

### 11.2. Market Share & Forecast

#### 11.2.1. By Product Length

#### 11.2.2. By Application

#### 11.2.3. By End User

#### 11.2.4. By Country

### 11.3. MEA: Country Analysis

#### 11.3.1. South Africa Zygomatic and Pterygoid Implants Market Outlook

##### 11.3.1.1. Market Size & Forecast

##### 11.3.1.1.1. By Value

##### 11.3.1.2. Market Share & Forecast

##### 11.3.1.2.1. By Product Length

##### 11.3.1.2.2. By Application

##### 11.3.1.2.3. By End User

#### 11.3.2. Saudi Arabia Zygomatic and Pterygoid Implants Market Outlook

##### 11.3.2.1. Market Size & Forecast

##### 11.3.2.1.1. By Value

##### 11.3.2.2. Market Share & Forecast

##### 11.3.2.2.1. By Product Length

##### 11.3.2.2.2. By Application

##### 11.3.2.2.3. By End User

#### 11.3.3. UAE Zygomatic and Pterygoid Implants Market Outlook

##### 11.3.3.1. Market Size & Forecast

##### 11.3.3.1.1. By Value

##### 11.3.3.2. Market Share & Forecast

##### 11.3.3.2.1. By Product Length

##### 11.3.3.2.2. By Application

- 11.3.3.2.3. By End User
- 11.3.4. Kuwait Zygomatic and Pterygoid Implants Market Outlook
  - 11.3.4.1. Market Size & Forecast
    - 11.3.4.1.1. By Value
  - 11.3.4.2. Market Share & Forecast
    - 11.3.4.2.1. By Product Length
    - 11.3.4.2.2. By Application
    - 11.3.4.2.3. By End User
- 11.3.5. Turkey Zygomatic and Pterygoid Implants Market Outlook
  - 11.3.5.1. Market Size & Forecast
    - 11.3.5.1.1. By Value
  - 11.3.5.2. Market Share & Forecast
    - 11.3.5.2.1. By Product Length
    - 11.3.5.2.2. By Application
    - 11.3.5.2.3. By End User
- 11.3.6. Egypt Zygomatic and Pterygoid Implants Market Outlook
  - 11.3.6.1. Market Size & Forecast
    - 11.3.6.1.1. By Value
  - 11.3.6.2. Market Share & Forecast
    - 11.3.6.2.1. By Product Length
    - 11.3.6.2.2. By Application
    - 11.3.6.2.3. By End User

## **12. MARKET DYNAMICS**

- 12.1. Drivers
- 12.2. Challenges

## **13. MARKET TRENDS & DEVELOPMENTS**

- 13.1. Recent Developments
- 13.2. Product Launches
- 13.3. Mergers & Acquisitions

## **14. GLOBAL ZYGOMATIC AND PTERYGOID IMPLANTS MARKET: SWOT ANALYSIS**

## **15. COMPETITIVE LANDSCAPE**

15.1. Straumann Holding AG

15.2. Noris Medical

15.3. S.I.N. Implant System

15.4. Southern Implants

15.5. IDC Implant & Dental Company

15.6. Danaher Corporation (NobelBiocare)

15.7. Bioline Dental Implant Systems Ltd

## **16. STRATEGIC RECOMMENDATIONS**

## **17. ABOUT US & DISCLAIMER**

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