

# Global Hybrid Press-fit IGBT Device Market Growth 2024-2030

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## Abstracts

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Hybrid Pressed IGBT devices, that is, insulated gate bipolar transistors (IGBTs) using hybrid press technology, are composite power semiconductor devices that combine the advantages of bipolar transistors (BJTs) and insulated gate field effect transistors (MOSFETs). Hybrid press technology here refers to connecting the IGBT chip with the heat dissipation substrate or other components through a special press method to improve the heat dissipation performance and reliability of the device. IGBT itself is a composite fully controlled voltage-driven power semiconductor device composed of BJT and MOSFET. It has the advantages of both, such as high input impedance, low drive current, fast switching speed and high current density. In the packaging and connection process of IGBT, hybrid press technology is used to tightly combine the IGBT chip with heat dissipation substrates, electrodes and other components. This technology helps to reduce contact resistance, improve heat conduction efficiency, and enhance the mechanical strength and reliability of the device. Hybrid press IGBT devices are widely used in power electronic conversion, new energy vehicles, smart grids, wind power generation and other fields due to their excellent performance and reliability. Hybrid crimped IGBT devices play an important role, especially in applications that require high power, high reliability and high efficiency, such as motor controllers, inverters and battery management systems for electric vehicles.

The global Hybrid Press-fit IGBT Device market size is projected to grow from US\$ million in 2024 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LP Information, Inc. (LPI) ' newest research report, the "Hybrid Press-fit IGBT Device

Industry Forecast” looks at past sales and reviews total world Hybrid Press-fit IGBT Device sales in 2023, providing a comprehensive analysis by region and market sector of projected Hybrid Press-fit IGBT Device sales for 2024 through 2030. With Hybrid Press-fit IGBT Device sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Hybrid Press-fit IGBT Device industry.

This Insight Report provides a comprehensive analysis of the global Hybrid Press-fit IGBT Device landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Hybrid Press-fit IGBT Device portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Hybrid Press-fit IGBT Device market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Hybrid Press-fit IGBT Device and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Hybrid Press-fit IGBT Device.

United States market for Hybrid Press-fit IGBT Device is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

China market for Hybrid Press-fit IGBT Device is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Europe market for Hybrid Press-fit IGBT Device is estimated to increase from US\$ million in 2023 to US\$ million by 2030, at a CAGR of % from 2024 through 2030.

Global key Hybrid Press-fit IGBT Device players cover Infineon Technologies, Mitsubishi, Fuji Electric, Semikron, Hitachi, etc. In terms of revenue, the global two largest companies occupied for a share nearly

% in 2023.

This report presents a comprehensive overview, market shares, and growth opportunities of Hybrid Press-fit IGBT Device market by product type, application, key

manufacturers and key regions and countries.

Segmentation by Type:

Single Tube Package

Module Package

Segmentation by Application:

New Energy Vehicles

Smart Grid

Industrial Automation

Energy Storage System

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

**Infineon Technologies**

Mitsubishi

Fuji Electric

Semikron

Hitachi

ON Semiconductor

Vincotech

ABB Semiconductors

Fairchild Semiconductor

Star Semiconductor

Silan Microelectronics

BYD

DYNEX

Times Electric

CRRC Zhuzhou Electric Locomotive Research Institute

## Key Questions Addressed in this Report

What is the 10-year outlook for the global Hybrid Press-fit IGBT Device market?

What factors are driving Hybrid Press-fit IGBT Device market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Hybrid Press-fit IGBT Device market opportunities vary by end market size?

How does Hybrid Press-fit IGBT Device break out by Type, by Application?

## Contents

### 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

### 2 EXECUTIVE SUMMARY

#### 2.1 World Market Overview

- 2.1.1 Global Hybrid Press-fit IGBT Device Annual Sales 2019-2030

- 2.1.2 World Current & Future Analysis for Hybrid Press-fit IGBT Device by Geographic Region, 2019, 2023 & 2030

- 2.1.3 World Current & Future Analysis for Hybrid Press-fit IGBT Device by Country/Region, 2019, 2023 & 2030

#### 2.2 Hybrid Press-fit IGBT Device Segment by Type

- 2.2.1 Single Tube Package

- 2.2.2 Module Package

#### 2.3 Hybrid Press-fit IGBT Device Sales by Type

- 2.3.1 Global Hybrid Press-fit IGBT Device Sales Market Share by Type (2019-2024)

- 2.3.2 Global Hybrid Press-fit IGBT Device Revenue and Market Share by Type (2019-2024)

- 2.3.3 Global Hybrid Press-fit IGBT Device Sale Price by Type (2019-2024)

#### 2.4 Hybrid Press-fit IGBT Device Segment by Application

- 2.4.1 New Energy Vehicles

- 2.4.2 Smart Grid

- 2.4.3 Industrial Automation

- 2.4.4 Energy Storage System

- 2.4.5 Other

#### 2.5 Hybrid Press-fit IGBT Device Sales by Application

- 2.5.1 Global Hybrid Press-fit IGBT Device Sale Market Share by Application (2019-2024)

- 2.5.2 Global Hybrid Press-fit IGBT Device Revenue and Market Share by Application

(2019-2024)

2.5.3 Global Hybrid Press-fit IGBT Device Sale Price by Application (2019-2024)

### **3 GLOBAL BY COMPANY**

3.1 Global Hybrid Press-fit IGBT Device Breakdown Data by Company

3.1.1 Global Hybrid Press-fit IGBT Device Annual Sales by Company (2019-2024)

3.1.2 Global Hybrid Press-fit IGBT Device Sales Market Share by Company  
(2019-2024)

3.2 Global Hybrid Press-fit IGBT Device Annual Revenue by Company (2019-2024)

3.2.1 Global Hybrid Press-fit IGBT Device Revenue by Company (2019-2024)

3.2.2 Global Hybrid Press-fit IGBT Device Revenue Market Share by Company  
(2019-2024)

3.3 Global Hybrid Press-fit IGBT Device Sale Price by Company

3.4 Key Manufacturers Hybrid Press-fit IGBT Device Producing Area Distribution, Sales Area, Product Type

3.4.1 Key Manufacturers Hybrid Press-fit IGBT Device Product Location Distribution

3.4.2 Players Hybrid Press-fit IGBT Device Products Offered

3.5 Market Concentration Rate Analysis

3.5.1 Competition Landscape Analysis

3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

3.6 New Products and Potential Entrants

3.7 Market M&A Activity & Strategy

### **4 WORLD HISTORIC REVIEW FOR HYBRID PRESS-FIT IGBT DEVICE BY GEOGRAPHIC REGION**

4.1 World Historic Hybrid Press-fit IGBT Device Market Size by Geographic Region  
(2019-2024)

4.1.1 Global Hybrid Press-fit IGBT Device Annual Sales by Geographic Region  
(2019-2024)

4.1.2 Global Hybrid Press-fit IGBT Device Annual Revenue by Geographic Region  
(2019-2024)

4.2 World Historic Hybrid Press-fit IGBT Device Market Size by Country/Region  
(2019-2024)

4.2.1 Global Hybrid Press-fit IGBT Device Annual Sales by Country/Region  
(2019-2024)

4.2.2 Global Hybrid Press-fit IGBT Device Annual Revenue by Country/Region  
(2019-2024)



- 4.3 Americas Hybrid Press-fit IGBT Device Sales Growth
- 4.4 APAC Hybrid Press-fit IGBT Device Sales Growth
- 4.5 Europe Hybrid Press-fit IGBT Device Sales Growth
- 4.6 Middle East & Africa Hybrid Press-fit IGBT Device Sales Growth

## **5 AMERICAS**

- 5.1 Americas Hybrid Press-fit IGBT Device Sales by Country
  - 5.1.1 Americas Hybrid Press-fit IGBT Device Sales by Country (2019-2024)
  - 5.1.2 Americas Hybrid Press-fit IGBT Device Revenue by Country (2019-2024)
- 5.2 Americas Hybrid Press-fit IGBT Device Sales by Type (2019-2024)
- 5.3 Americas Hybrid Press-fit IGBT Device Sales by Application (2019-2024)
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

## **6 APAC**

- 6.1 APAC Hybrid Press-fit IGBT Device Sales by Region
  - 6.1.1 APAC Hybrid Press-fit IGBT Device Sales by Region (2019-2024)
  - 6.1.2 APAC Hybrid Press-fit IGBT Device Revenue by Region (2019-2024)
- 6.2 APAC Hybrid Press-fit IGBT Device Sales by Type (2019-2024)
- 6.3 APAC Hybrid Press-fit IGBT Device Sales by Application (2019-2024)
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

## **7 EUROPE**

- 7.1 Europe Hybrid Press-fit IGBT Device by Country
  - 7.1.1 Europe Hybrid Press-fit IGBT Device Sales by Country (2019-2024)
  - 7.1.2 Europe Hybrid Press-fit IGBT Device Revenue by Country (2019-2024)
- 7.2 Europe Hybrid Press-fit IGBT Device Sales by Type (2019-2024)
- 7.3 Europe Hybrid Press-fit IGBT Device Sales by Application (2019-2024)

7.4 Germany

7.5 France

7.6 UK

7.7 Italy

7.8 Russia

## **8 MIDDLE EAST & AFRICA**

8.1 Middle East & Africa Hybrid Press-fit IGBT Device by Country

8.1.1 Middle East & Africa Hybrid Press-fit IGBT Device Sales by Country (2019-2024)

8.1.2 Middle East & Africa Hybrid Press-fit IGBT Device Revenue by Country (2019-2024)

8.2 Middle East & Africa Hybrid Press-fit IGBT Device Sales by Type (2019-2024)

8.3 Middle East & Africa Hybrid Press-fit IGBT Device Sales by Application (2019-2024)

8.4 Egypt

8.5 South Africa

8.6 Israel

8.7 Turkey

8.8 GCC Countries

## **9 MARKET DRIVERS, CHALLENGES AND TRENDS**

9.1 Market Drivers & Growth Opportunities

9.2 Market Challenges & Risks

9.3 Industry Trends

## **10 MANUFACTURING COST STRUCTURE ANALYSIS**

10.1 Raw Material and Suppliers

10.2 Manufacturing Cost Structure Analysis of Hybrid Press-fit IGBT Device

10.3 Manufacturing Process Analysis of Hybrid Press-fit IGBT Device

10.4 Industry Chain Structure of Hybrid Press-fit IGBT Device

## **11 MARKETING, DISTRIBUTORS AND CUSTOMER**

11.1 Sales Channel

11.1.1 Direct Channels

11.1.2 Indirect Channels

11.2 Hybrid Press-fit IGBT Device Distributors

### 11.3 Hybrid Press-fit IGBT Device Customer

## **12 WORLD FORECAST REVIEW FOR HYBRID PRESS-FIT IGBT DEVICE BY GEOGRAPHIC REGION**

### 12.1 Global Hybrid Press-fit IGBT Device Market Size Forecast by Region

#### 12.1.1 Global Hybrid Press-fit IGBT Device Forecast by Region (2025-2030)

#### 12.1.2 Global Hybrid Press-fit IGBT Device Annual Revenue Forecast by Region (2025-2030)

### 12.2 Americas Forecast by Country (2025-2030)

### 12.3 APAC Forecast by Region (2025-2030)

### 12.4 Europe Forecast by Country (2025-2030)

### 12.5 Middle East & Africa Forecast by Country (2025-2030)

### 12.6 Global Hybrid Press-fit IGBT Device Forecast by Type (2025-2030)

### 12.7 Global Hybrid Press-fit IGBT Device Forecast by Application (2025-2030)

## **13 KEY PLAYERS ANALYSIS**

### 13.1 Infineon Technologies

#### 13.1.1 Infineon Technologies Company Information

#### 13.1.2 Infineon Technologies Hybrid Press-fit IGBT Device Product Portfolios and Specifications

#### 13.1.3 Infineon Technologies Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.1.4 Infineon Technologies Main Business Overview

#### 13.1.5 Infineon Technologies Latest Developments

### 13.2 Mitsubishi

#### 13.2.1 Mitsubishi Company Information

#### 13.2.2 Mitsubishi Hybrid Press-fit IGBT Device Product Portfolios and Specifications

#### 13.2.3 Mitsubishi Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.2.4 Mitsubishi Main Business Overview

#### 13.2.5 Mitsubishi Latest Developments

### 13.3 Fuji Electric

#### 13.3.1 Fuji Electric Company Information

#### 13.3.2 Fuji Electric Hybrid Press-fit IGBT Device Product Portfolios and Specifications

#### 13.3.3 Fuji Electric Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)

#### 13.3.4 Fuji Electric Main Business Overview

- 13.3.5 Fuji Electric Latest Developments
- 13.4 Semikron
  - 13.4.1 Semikron Company Information
  - 13.4.2 Semikron Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.4.3 Semikron Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.4.4 Semikron Main Business Overview
  - 13.4.5 Semikron Latest Developments
- 13.5 Hitachi
  - 13.5.1 Hitachi Company Information
  - 13.5.2 Hitachi Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.5.3 Hitachi Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.5.4 Hitachi Main Business Overview
  - 13.5.5 Hitachi Latest Developments
- 13.6 ON Semiconductor
  - 13.6.1 ON Semiconductor Company Information
  - 13.6.2 ON Semiconductor Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.6.3 ON Semiconductor Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.6.4 ON Semiconductor Main Business Overview
  - 13.6.5 ON Semiconductor Latest Developments
- 13.7 Vincotech
  - 13.7.1 Vincotech Company Information
  - 13.7.2 Vincotech Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.7.3 Vincotech Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.7.4 Vincotech Main Business Overview
  - 13.7.5 Vincotech Latest Developments
- 13.8 ABB Semiconductors
  - 13.8.1 ABB Semiconductors Company Information
  - 13.8.2 ABB Semiconductors Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.8.3 ABB Semiconductors Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.8.4 ABB Semiconductors Main Business Overview
  - 13.8.5 ABB Semiconductors Latest Developments
- 13.9 Fairchild Semiconductor

- 13.9.1 Fairchild Semiconductor Company Information
- 13.9.2 Fairchild Semiconductor Hybrid Press-fit IGBT Device Product Portfolios and Specifications
- 13.9.3 Fairchild Semiconductor Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.9.4 Fairchild Semiconductor Main Business Overview
- 13.9.5 Fairchild Semiconductor Latest Developments
- 13.10 Star Semiconductor
  - 13.10.1 Star Semiconductor Company Information
  - 13.10.2 Star Semiconductor Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.10.3 Star Semiconductor Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.10.4 Star Semiconductor Main Business Overview
  - 13.10.5 Star Semiconductor Latest Developments
- 13.11 Silan Microelectronics
  - 13.11.1 Silan Microelectronics Company Information
  - 13.11.2 Silan Microelectronics Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.11.3 Silan Microelectronics Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.11.4 Silan Microelectronics Main Business Overview
  - 13.11.5 Silan Microelectronics Latest Developments
- 13.12 BYD
  - 13.12.1 BYD Company Information
  - 13.12.2 BYD Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.12.3 BYD Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.12.4 BYD Main Business Overview
  - 13.12.5 BYD Latest Developments
- 13.13 DYNEX
  - 13.13.1 DYNEX Company Information
  - 13.13.2 DYNEX Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.13.3 DYNEX Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.13.4 DYNEX Main Business Overview
  - 13.13.5 DYNEX Latest Developments
- 13.14 Times Electric
  - 13.14.1 Times Electric Company Information

- 13.14.2 Times Electric Hybrid Press-fit IGBT Device Product Portfolios and Specifications
- 13.14.3 Times Electric Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
- 13.14.4 Times Electric Main Business Overview
- 13.14.5 Times Electric Latest Developments
- 13.15 CRRC Zhuzhou Electric Locomotive Research Intitute
  - 13.15.1 CRRC Zhuzhou Electric Locomotive Research Intitute Company Information
  - 13.15.2 CRRC Zhuzhou Electric Locomotive Research Intitute Hybrid Press-fit IGBT Device Product Portfolios and Specifications
  - 13.15.3 CRRC Zhuzhou Electric Locomotive Research Intitute Hybrid Press-fit IGBT Device Sales, Revenue, Price and Gross Margin (2019-2024)
  - 13.15.4 CRRC Zhuzhou Electric Locomotive Research Intitute Main Business Overview
  - 13.15.5 CRRC Zhuzhou Electric Locomotive Research Intitute Latest Developments

## **14 RESEARCH FINDINGS AND CONCLUSION**

## List Of Tables

### LIST OF TABLES

Table 1. Hybrid Press-fit IGBT Device Annual Sales CAGR by Geographic Region (2019, 2023 & 2030) & (\$ millions)

Table 2. Hybrid Press-fit IGBT Device Annual Sales CAGR by Country/Region (2019, 2023 & 2030) & (\$ millions)

Table 3. Major Players of Single Tube Package

Table 4. Major Players of Module Package

Table 5. Global Hybrid Press-fit IGBT Device Sales by Type (2019-2024) & (K Units)

Table 6. Global Hybrid Press-fit IGBT Device Sales Market Share by Type (2019-2024)

Table 7. Global Hybrid Press-fit IGBT Device Revenue by Type (2019-2024) & (\$ million)

Table 8. Global Hybrid Press-fit IGBT Device Revenue Market Share by Type (2019-2024)

Table 9. Global Hybrid Press-fit IGBT Device Sale Price by Type (2019-2024) & (US\$/Unit)

Table 10. Global Hybrid Press-fit IGBT Device Sale by Application (2019-2024) & (K Units)

Table 11. Global Hybrid Press-fit IGBT Device Sale Market Share by Application (2019-2024)

Table 12. Global Hybrid Press-fit IGBT Device Revenue by Application (2019-2024) & (\$ million)

Table 13. Global Hybrid Press-fit IGBT Device Revenue Market Share by Application (2019-2024)

Table 14. Global Hybrid Press-fit IGBT Device Sale Price by Application (2019-2024) & (US\$/Unit)

Table 15. Global Hybrid Press-fit IGBT Device Sales by Company (2019-2024) & (K Units)

Table 16. Global Hybrid Press-fit IGBT Device Sales Market Share by Company (2019-2024)

Table 17. Global Hybrid Press-fit IGBT Device Revenue by Company (2019-2024) & (\$ millions)

Table 18. Global Hybrid Press-fit IGBT Device Revenue Market Share by Company (2019-2024)

Table 19. Global Hybrid Press-fit IGBT Device Sale Price by Company (2019-2024) & (US\$/Unit)

Table 20. Key Manufacturers Hybrid Press-fit IGBT Device Producing Area Distribution

and Sales Area

Table 21. Players Hybrid Press-fit IGBT Device Products Offered

Table 22. Hybrid Press-fit IGBT Device Concentration Ratio (CR3, CR5 and CR10) & (2019-2024)

Table 23. New Products and Potential Entrants

Table 24. Market M&A Activity & Strategy

Table 25. Global Hybrid Press-fit IGBT Device Sales by Geographic Region (2019-2024) & (K Units)

Table 26. Global Hybrid Press-fit IGBT Device Sales Market Share Geographic Region (2019-2024)

Table 27. Global Hybrid Press-fit IGBT Device Revenue by Geographic Region (2019-2024) & (\$ millions)

Table 28. Global Hybrid Press-fit IGBT Device Revenue Market Share by Geographic Region (2019-2024)

Table 29. Global Hybrid Press-fit IGBT Device Sales by Country/Region (2019-2024) & (K Units)

Table 30. Global Hybrid Press-fit IGBT Device Sales Market Share by Country/Region (2019-2024)

Table 31. Global Hybrid Press-fit IGBT Device Revenue by Country/Region (2019-2024) & (\$ millions)

Table 32. Global Hybrid Press-fit IGBT Device Revenue Market Share by Country/Region (2019-2024)

Table 33. Americas Hybrid Press-fit IGBT Device Sales by Country (2019-2024) & (K Units)

Table 34. Americas Hybrid Press-fit IGBT Device Sales Market Share by Country (2019-2024)

Table 35. Americas Hybrid Press-fit IGBT Device Revenue by Country (2019-2024) & (\$ millions)

Table 36. Americas Hybrid Press-fit IGBT Device Sales by Type (2019-2024) & (K Units)

Table 37. Americas Hybrid Press-fit IGBT Device Sales by Application (2019-2024) & (K Units)

Table 38. APAC Hybrid Press-fit IGBT Device Sales by Region (2019-2024) & (K Units)

Table 39. APAC Hybrid Press-fit IGBT Device Sales Market Share by Region (2019-2024)

Table 40. APAC Hybrid Press-fit IGBT Device Revenue by Region (2019-2024) & (\$ millions)

Table 41. APAC Hybrid Press-fit IGBT Device Sales by Type (2019-2024) & (K Units)

Table 42. APAC Hybrid Press-fit IGBT Device Sales by Application (2019-2024) & (K



Units)

Table 43. Europe Hybrid Press-fit IGBT Device Sales by Country (2019-2024) & (K Units)

Table 44. Europe Hybrid Press-fit IGBT Device Revenue by Country (2019-2024) & (\$ millions)

Table 45. Europe Hybrid Press-fit IGBT Device Sales by Type (2019-2024) & (K Units)

Table 46. Europe Hybrid Press-fit IGBT Device Sales by Application (2019-2024) & (K Units)

Table 47. Middle East & Africa Hybrid Press-fit IGBT Device Sales by Country (2019-2024) & (K Units)

Table 48. Middle East & Africa Hybrid Press-fit IGBT Device Revenue Market Share by Country (2019-2024)

Table 49. Middle East & Africa Hybrid Press-fit IGBT Device Sales by Type (2019-2024) & (K Units)

Table 50. Middle East & Africa Hybrid Press-fit IGBT Device Sales by Application (2019-2024) & (K Units)

Table 51. Key Market Drivers & Growth Opportunities of Hybrid Press-fit IGBT Device

Table 52. Key Market Challenges & Risks of Hybrid Press-fit IGBT Device

Table 53. Key Industry Trends of Hybrid Press-fit IGBT Device

Table 54. Hybrid Press-fit IGBT Device Raw Material

Table 55. Key Suppliers of Raw Materials

Table 56. Hybrid Press-fit IGBT Device Distributors List

Table 57. Hybrid Press-fit IGBT Device Customer List

Table 58. Global Hybrid Press-fit IGBT Device Sales Forecast by Region (2025-2030) & (K Units)

Table 59. Global Hybrid Press-fit IGBT Device Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 60. Americas Hybrid Press-fit IGBT Device Sales Forecast by Country (2025-2030) & (K Units)

Table 61. Americas Hybrid Press-fit IGBT Device Annual Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 62. APAC Hybrid Press-fit IGBT Device Sales Forecast by Region (2025-2030) & (K Units)

Table 63. APAC Hybrid Press-fit IGBT Device Annual Revenue Forecast by Region (2025-2030) & (\$ millions)

Table 64. Europe Hybrid Press-fit IGBT Device Sales Forecast by Country (2025-2030) & (K Units)

Table 65. Europe Hybrid Press-fit IGBT Device Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 66. Middle East & Africa Hybrid Press-fit IGBT Device Sales Forecast by Country (2025-2030) & (K Units)

Table 67. Middle East & Africa Hybrid Press-fit IGBT Device Revenue Forecast by Country (2025-2030) & (\$ millions)

Table 68. Global Hybrid Press-fit IGBT Device Sales Forecast by Type (2025-2030) & (K Units)

Table 69. Global Hybrid Press-fit IGBT Device Revenue Forecast by Type (2025-2030) & (\$ millions)

Table 70. Global Hybrid Press-fit IGBT Device Sales Forecast by Application (2025-2030) & (K Units)

Table 71. Global Hybrid Press-fit IGBT Device Revenue Forecast by Application (2025-2030) & (\$ millions)

Table 72. Infineon Technologies Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 73. Infineon Technologies Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 74. Infineon Technologies Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 75. Infineon Technologies Main Business

Table 76. Infineon Technologies Latest Developments

Table 77. Mitsubishi Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 78. Mitsubishi Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 79. Mitsubishi Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 80. Mitsubishi Main Business

Table 81. Mitsubishi Latest Developments

Table 82. Fuji Electric Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 83. Fuji Electric Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 84. Fuji Electric Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 85. Fuji Electric Main Business

Table 86. Fuji Electric Latest Developments

Table 87. Semikron Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 88. Semikron Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 89. Semikron Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million),

Price (US\$/Unit) and Gross Margin (2019-2024)

Table 90. Semikron Main Business

Table 91. Semikron Latest Developments

Table 92. Hitachi Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 93. Hitachi Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 94. Hitachi Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 95. Hitachi Main Business

Table 96. Hitachi Latest Developments

Table 97. ON Semiconductor Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 98. ON Semiconductor Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 99. ON Semiconductor Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 100. ON Semiconductor Main Business

Table 101. ON Semiconductor Latest Developments

Table 102. Vincotech Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 103. Vincotech Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 104. Vincotech Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 105. Vincotech Main Business

Table 106. Vincotech Latest Developments

Table 107. ABB Semiconductors Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 108. ABB Semiconductors Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 109. ABB Semiconductors Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 110. ABB Semiconductors Main Business

Table 111. ABB Semiconductors Latest Developments

Table 112. Fairchild Semiconductor Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 113. Fairchild Semiconductor Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 114. Fairchild Semiconductor Hybrid Press-fit IGBT Device Sales (K Units),

Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 115. Fairchild Semiconductor Main Business

Table 116. Fairchild Semiconductor Latest Developments

Table 117. Star Semiconductor Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 118. Star Semiconductor Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 119. Star Semiconductor Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 120. Star Semiconductor Main Business

Table 121. Star Semiconductor Latest Developments

Table 122. Silan Microelectronics Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 123. Silan Microelectronics Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 124. Silan Microelectronics Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 125. Silan Microelectronics Main Business

Table 126. Silan Microelectronics Latest Developments

Table 127. BYD Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 128. BYD Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 129. BYD Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 130. BYD Main Business

Table 131. BYD Latest Developments

Table 132. DYNEX Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 133. DYNEX Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 134. DYNEX Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 135. DYNEX Main Business

Table 136. DYNEX Latest Developments

Table 137. Times Electric Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 138. Times Electric Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 139. Times Electric Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 140. Times Electric Main Business

Table 141. Times Electric Latest Developments

Table 142. CRRC Zhuzhou Electric Locomotive Research Intitute Basic Information, Hybrid Press-fit IGBT Device Manufacturing Base, Sales Area and Its Competitors

Table 143. CRRC Zhuzhou Electric Locomotive Research Intitute Hybrid Press-fit IGBT Device Product Portfolios and Specifications

Table 144. CRRC Zhuzhou Electric Locomotive Research Intitute Hybrid Press-fit IGBT Device Sales (K Units), Revenue (\$ Million), Price (US\$/Unit) and Gross Margin (2019-2024)

Table 145. CRRC Zhuzhou Electric Locomotive Research Intitute Main Business

Table 146. CRRC Zhuzhou Electric Locomotive Research Intitute Latest Developments

## List Of Figures

### LIST OF FIGURES

- Figure 1. Picture of Hybrid Press-fit IGBT Device
- Figure 2. Hybrid Press-fit IGBT Device Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Hybrid Press-fit IGBT Device Sales Growth Rate 2019-2030 (K Units)
- Figure 7. Global Hybrid Press-fit IGBT Device Revenue Growth Rate 2019-2030 (\$ millions)
- Figure 8. Hybrid Press-fit IGBT Device Sales by Geographic Region (2019, 2023 & 2030) & (\$ millions)
- Figure 9. Hybrid Press-fit IGBT Device Sales Market Share by Country/Region (2023)
- Figure 10. Hybrid Press-fit IGBT Device Sales Market Share by Country/Region (2019, 2023 & 2030)
- Figure 11. Product Picture of Single Tube Package
- Figure 12. Product Picture of Module Package
- Figure 13. Global Hybrid Press-fit IGBT Device Sales Market Share by Type in 2023
- Figure 14. Global Hybrid Press-fit IGBT Device Revenue Market Share by Type (2019-2024)
- Figure 15. Hybrid Press-fit IGBT Device Consumed in New Energy Vehicles
- Figure 16. Global Hybrid Press-fit IGBT Device Market: New Energy Vehicles (2019-2024) & (K Units)
- Figure 17. Hybrid Press-fit IGBT Device Consumed in Smart Grid
- Figure 18. Global Hybrid Press-fit IGBT Device Market: Smart Grid (2019-2024) & (K Units)
- Figure 19. Hybrid Press-fit IGBT Device Consumed in Industrial Automation
- Figure 20. Global Hybrid Press-fit IGBT Device Market: Industrial Automation (2019-2024) & (K Units)
- Figure 21. Hybrid Press-fit IGBT Device Consumed in Energy Storage System
- Figure 22. Global Hybrid Press-fit IGBT Device Market: Energy Storage System (2019-2024) & (K Units)
- Figure 23. Hybrid Press-fit IGBT Device Consumed in Other
- Figure 24. Global Hybrid Press-fit IGBT Device Market: Other (2019-2024) & (K Units)
- Figure 25. Global Hybrid Press-fit IGBT Device Sale Market Share by Application (2023)
- Figure 26. Global Hybrid Press-fit IGBT Device Revenue Market Share by Application in 2023

- Figure 27. Hybrid Press-fit IGBT Device Sales by Company in 2023 (K Units)
- Figure 28. Global Hybrid Press-fit IGBT Device Sales Market Share by Company in 2023
- Figure 29. Hybrid Press-fit IGBT Device Revenue by Company in 2023 (\$ millions)
- Figure 30. Global Hybrid Press-fit IGBT Device Revenue Market Share by Company in 2023
- Figure 31. Global Hybrid Press-fit IGBT Device Sales Market Share by Geographic Region (2019-2024)
- Figure 32. Global Hybrid Press-fit IGBT Device Revenue Market Share by Geographic Region in 2023
- Figure 33. Americas Hybrid Press-fit IGBT Device Sales 2019-2024 (K Units)
- Figure 34. Americas Hybrid Press-fit IGBT Device Revenue 2019-2024 (\$ millions)
- Figure 35. APAC Hybrid Press-fit IGBT Device Sales 2019-2024 (K Units)
- Figure 36. APAC Hybrid Press-fit IGBT Device Revenue 2019-2024 (\$ millions)
- Figure 37. Europe Hybrid Press-fit IGBT Device Sales 2019-2024 (K Units)
- Figure 38. Europe Hybrid Press-fit IGBT Device Revenue 2019-2024 (\$ millions)
- Figure 39. Middle East & Africa Hybrid Press-fit IGBT Device Sales 2019-2024 (K Units)
- Figure 40. Middle East & Africa Hybrid Press-fit IGBT Device Revenue 2019-2024 (\$ millions)
- Figure 41. Americas Hybrid Press-fit IGBT Device Sales Market Share by Country in 2023
- Figure 42. Americas Hybrid Press-fit IGBT Device Revenue Market Share by Country (2019-2024)
- Figure 43. Americas Hybrid Press-fit IGBT Device Sales Market Share by Type (2019-2024)
- Figure 44. Americas Hybrid Press-fit IGBT Device Sales Market Share by Application (2019-2024)
- Figure 45. United States Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)
- Figure 46. Canada Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)
- Figure 47. Mexico Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)
- Figure 48. Brazil Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)
- Figure 49. APAC Hybrid Press-fit IGBT Device Sales Market Share by Region in 2023
- Figure 50. APAC Hybrid Press-fit IGBT Device Revenue Market Share by Region (2019-2024)
- Figure 51. APAC Hybrid Press-fit IGBT Device Sales Market Share by Type (2019-2024)
- Figure 52. APAC Hybrid Press-fit IGBT Device Sales Market Share by Application

(2019-2024)

Figure 53. China Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 54. Japan Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 55. South Korea Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 56. Southeast Asia Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 57. India Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 58. Australia Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 59. China Taiwan Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 60. Europe Hybrid Press-fit IGBT Device Sales Market Share by Country in 2023

Figure 61. Europe Hybrid Press-fit IGBT Device Revenue Market Share by Country (2019-2024)

Figure 62. Europe Hybrid Press-fit IGBT Device Sales Market Share by Type (2019-2024)

Figure 63. Europe Hybrid Press-fit IGBT Device Sales Market Share by Application (2019-2024)

Figure 64. Germany Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 65. France Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 66. UK Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 67. Italy Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 68. Russia Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 69. Middle East & Africa Hybrid Press-fit IGBT Device Sales Market Share by Country (2019-2024)

Figure 70. Middle East & Africa Hybrid Press-fit IGBT Device Sales Market Share by Type (2019-2024)

Figure 71. Middle East & Africa Hybrid Press-fit IGBT Device Sales Market Share by Application (2019-2024)

Figure 72. Egypt Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 73. South Africa Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 74. Israel Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 75. Turkey Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 76. GCC Countries Hybrid Press-fit IGBT Device Revenue Growth 2019-2024 (\$ millions)

Figure 77. Manufacturing Cost Structure Analysis of Hybrid Press-fit IGBT Device in



2023

Figure 78. Manufacturing Process Analysis of Hybrid Press-fit IGBT Device

Figure 79. Industry Chain Structure of Hybrid Press-fit IGBT Device

Figure 80. Channels of Distribution

Figure 81. Global Hybrid Press-fit IGBT Device Sales Market Forecast by Region (2025-2030)

Figure 82. Global Hybrid Press-fit IGBT Device Revenue Market Share Forecast by Region (2025-2030)

Figure 83. Global Hybrid Press-fit IGBT Device Sales Market Share Forecast by Type (2025-2030)

Figure 84. Global Hybrid Press-fit IGBT Device Revenue Market Share Forecast by Type (2025-2030)

Figure 85. Global Hybrid Press-fit IGBT Device Sales Market Share Forecast by Application (2025-2030)

Figure 86. Global Hybrid Press-fit IGBT Device Revenue Market Share Forecast by Application (2025-2030)

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