

Global Friction Stir Welding (FSW) Machines Market Research Report 2024(Status and Outlook)

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Abstracts

Report Overview:

Friction stir welding (FSW) is a solid-state joining process that uses a non-consumable tool to join two facing workpieces without melting the workpiece material. Heat is generated by friction between the rotating tool and the workpiece material, which leads to a softened region near the FSW tool.

The Global Friction Stir Welding (FSW) Machines Market Size was estimated at USD 181.88 million in 2023 and is projected to reach USD 224.87 million by 2029, exhibiting a CAGR of 3.60% during the forecast period.

This report provides a deep insight into the global Friction Stir Welding (FSW) Machines market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Friction Stir Welding (FSW) Machines Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Friction Stir Welding (FSW) Machines market in any manner.

Global Friction Stir Welding (FSW) Machines Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

ESAB

Grenzebach Maschinenbau GmbH

Hitachi

PTG

Mazak Corporation

FOOKE GmbH

PaR Systems

Nitto Seiki

General Tool

Gatwick

Stirtec GmbH

Bond Technologies

TRA-C industrie

U-Jin Tech

TWI Ltd

Beijing FSW

Market Segmentation (by Type)

, the Friction Stir Welding (FSW) Machine can be split into Gantry Equipment and Desktop Equipment. In 2019, about 70% of global Friction Stir Welding (FSW) Machine market was taken up by Desktop Equipment, which makes this segment the larger part of these two types.

The Friction Stir Welding (FSW) Machine market can be sub-segmented into several major Application, like Aerospace and Defence Industry, Automotive, General Machine Manufacturing, etc. The largest segment is Automotive, with a market share of over 9% in 2019, while General Machine Manufacturing is listed below with over 8% of global Friction Stie Welding (FSW) Machine market.

Several key manufacturers in global Friction Stir Welding (FSW) Machine market are Nova-Tech Engineering, Grenzebach Maschinenbau GmbH, Beijing FSW, Sooncable and Aerospace Engineering Equipment etc.

Report Scope

This report, based on historical analysis (2018-2022) and forecast calculation (2023-2029), aims to help readers to get a comprehensive understanding of global Friction Stir Welding (FSW) Machines market with multiple angles, which provides sufficient supports to readers' strategy and decision making.

By Company

ESAB

Grenzebach Maschinenbau GmbH

Hitachi

PTG

Mazak Corporation

FOOKE GmbH

PaR Systems

Nitto Seiki

General Tool

Gatwick

Stirtec GmbH

Bond Technologies

TRA-C industrie

U-Jin Tech

TWI Ltd

Beijing FSW

Segment by Type

Conventional

CNC

Market Segmentation (by Application)

Automotive

Railways

Shipbuilding

Aerospace

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Friction Stir Welding (FSW) Machines Market

Overview of the regional outlook of the Friction Stir Welding (FSW) Machines Market:

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Note: this report may need to undergo a final check or review and this could take about 48 hours.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Friction Stir Welding (FSW) Machines Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the Market's Competitive Landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Friction Stir Welding (FSW) Machines
- 1.2 Key Market Segments
 - 1.2.1 Friction Stir Welding (FSW) Machines Segment by Type
 - 1.2.2 Friction Stir Welding (FSW) Machines Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 FRICTION STIR WELDING (FSW) MACHINES MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Friction Stir Welding (FSW) Machines Market Size (M USD) Estimates and Forecasts (2019-2030)
 - 2.1.2 Global Friction Stir Welding (FSW) Machines Sales Estimates and Forecasts (2019-2030)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 FRICTION STIR WELDING (FSW) MACHINES MARKET COMPETITIVE LANDSCAPE

- 3.1 Global Friction Stir Welding (FSW) Machines Sales by Manufacturers (2019-2024)
- 3.2 Global Friction Stir Welding (FSW) Machines Revenue Market Share by Manufacturers (2019-2024)
- 3.3 Friction Stir Welding (FSW) Machines Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.4 Global Friction Stir Welding (FSW) Machines Average Price by Manufacturers (2019-2024)
- 3.5 Manufacturers Friction Stir Welding (FSW) Machines Sales Sites, Area Served, Product Type
- 3.6 Friction Stir Welding (FSW) Machines Market Competitive Situation and Trends
 - 3.6.1 Friction Stir Welding (FSW) Machines Market Concentration Rate

3.6.2 Global 5 and 10 Largest Friction Stir Welding (FSW) Machines Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 FRICTION STIR WELDING (FSW) MACHINES INDUSTRY CHAIN ANALYSIS

4.1 Friction Stir Welding (FSW) Machines Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF FRICTION STIR WELDING (FSW) MACHINES MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

6 FRICTION STIR WELDING (FSW) MACHINES MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Friction Stir Welding (FSW) Machines Sales Market Share by Type (2019-2024)

6.3 Global Friction Stir Welding (FSW) Machines Market Size Market Share by Type (2019-2024)

6.4 Global Friction Stir Welding (FSW) Machines Price by Type (2019-2024)

7 FRICTION STIR WELDING (FSW) MACHINES MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global Friction Stir Welding (FSW) Machines Market Sales by Application (2019-2024)

7.3 Global Friction Stir Welding (FSW) Machines Market Size (M USD) by Application (2019-2024)

7.4 Global Friction Stir Welding (FSW) Machines Sales Growth Rate by Application (2019-2024)

8 FRICTION STIR WELDING (FSW) MACHINES MARKET SEGMENTATION BY REGION

8.1 Global Friction Stir Welding (FSW) Machines Sales by Region

8.1.1 Global Friction Stir Welding (FSW) Machines Sales by Region

8.1.2 Global Friction Stir Welding (FSW) Machines Sales Market Share by Region

8.2 North America

8.2.1 North America Friction Stir Welding (FSW) Machines Sales by Country

8.2.2 U.S.

8.2.3 Canada

8.2.4 Mexico

8.3 Europe

8.3.1 Europe Friction Stir Welding (FSW) Machines Sales by Country

8.3.2 Germany

8.3.3 France

8.3.4 U.K.

8.3.5 Italy

8.3.6 Russia

8.4 Asia Pacific

8.4.1 Asia Pacific Friction Stir Welding (FSW) Machines Sales by Region

8.4.2 China

8.4.3 Japan

8.4.4 South Korea

8.4.5 India

8.4.6 Southeast Asia

8.5 South America

8.5.1 South America Friction Stir Welding (FSW) Machines Sales by Country

8.5.2 Brazil

8.5.3 Argentina

8.5.4 Columbia

8.6 Middle East and Africa

8.6.1 Middle East and Africa Friction Stir Welding (FSW) Machines Sales by Region

8.6.2 Saudi Arabia

8.6.3 UAE

8.6.4 Egypt

8.6.5 Nigeria

8.6.6 South Africa

9 KEY COMPANIES PROFILE

9.1 ESAB

9.1.1 ESAB Friction Stir Welding (FSW) Machines Basic Information

9.1.2 ESAB Friction Stir Welding (FSW) Machines Product Overview

9.1.3 ESAB Friction Stir Welding (FSW) Machines Product Market Performance

9.1.4 ESAB Business Overview

9.1.5 ESAB Friction Stir Welding (FSW) Machines SWOT Analysis

9.1.6 ESAB Recent Developments

9.2 Grenzebach Maschinenbau GmbH

9.2.1 Grenzebach Maschinenbau GmbH Friction Stir Welding (FSW) Machines Basic Information

9.2.2 Grenzebach Maschinenbau GmbH Friction Stir Welding (FSW) Machines Product Overview

9.2.3 Grenzebach Maschinenbau GmbH Friction Stir Welding (FSW) Machines Product Market Performance

9.2.4 Grenzebach Maschinenbau GmbH Business Overview

9.2.5 Grenzebach Maschinenbau GmbH Friction Stir Welding (FSW) Machines SWOT Analysis

9.2.6 Grenzebach Maschinenbau GmbH Recent Developments

9.3 Hitachi

9.3.1 Hitachi Friction Stir Welding (FSW) Machines Basic Information

9.3.2 Hitachi Friction Stir Welding (FSW) Machines Product Overview

9.3.3 Hitachi Friction Stir Welding (FSW) Machines Product Market Performance

9.3.4 Hitachi Friction Stir Welding (FSW) Machines SWOT Analysis

9.3.5 Hitachi Business Overview

9.3.6 Hitachi Recent Developments

9.4 PTG

9.4.1 PTG Friction Stir Welding (FSW) Machines Basic Information

9.4.2 PTG Friction Stir Welding (FSW) Machines Product Overview

9.4.3 PTG Friction Stir Welding (FSW) Machines Product Market Performance

9.4.4 PTG Business Overview

9.4.5 PTG Recent Developments

9.5 Mazak Corporation

9.5.1 Mazak Corporation Friction Stir Welding (FSW) Machines Basic Information

9.5.2 Mazak Corporation Friction Stir Welding (FSW) Machines Product Overview

9.5.3 Mazak Corporation Friction Stir Welding (FSW) Machines Product Market

Performance

9.5.4 Mazak Corporation Business Overview

9.5.5 Mazak Corporation Recent Developments

9.6 FOOKE GmbH

9.6.1 FOOKE GmbH Friction Stir Welding (FSW) Machines Basic Information

9.6.2 FOOKE GmbH Friction Stir Welding (FSW) Machines Product Overview

9.6.3 FOOKE GmbH Friction Stir Welding (FSW) Machines Product Market

Performance

9.6.4 FOOKE GmbH Business Overview

9.6.5 FOOKE GmbH Recent Developments

9.7 PaR Systems

9.7.1 PaR Systems Friction Stir Welding (FSW) Machines Basic Information

9.7.2 PaR Systems Friction Stir Welding (FSW) Machines Product Overview

9.7.3 PaR Systems Friction Stir Welding (FSW) Machines Product Market

Performance

9.7.4 PaR Systems Business Overview

9.7.5 PaR Systems Recent Developments

9.8 Nitto Seiki

9.8.1 Nitto Seiki Friction Stir Welding (FSW) Machines Basic Information

9.8.2 Nitto Seiki Friction Stir Welding (FSW) Machines Product Overview

9.8.3 Nitto Seiki Friction Stir Welding (FSW) Machines Product Market Performance

9.8.4 Nitto Seiki Business Overview

9.8.5 Nitto Seiki Recent Developments

9.9 General Tool

9.9.1 General Tool Friction Stir Welding (FSW) Machines Basic Information

9.9.2 General Tool Friction Stir Welding (FSW) Machines Product Overview

9.9.3 General Tool Friction Stir Welding (FSW) Machines Product Market Performance

9.9.4 General Tool Business Overview

9.9.5 General Tool Recent Developments

9.10 Gatwick

9.10.1 Gatwick Friction Stir Welding (FSW) Machines Basic Information

9.10.2 Gatwick Friction Stir Welding (FSW) Machines Product Overview

9.10.3 Gatwick Friction Stir Welding (FSW) Machines Product Market Performance

9.10.4 Gatwick Business Overview

9.10.5 Gatwick Recent Developments

9.11 Stirtec Gmbh

9.11.1 Stirtec Gmbh Friction Stir Welding (FSW) Machines Basic Information

9.11.2 Stirtec Gmbh Friction Stir Welding (FSW) Machines Product Overview

9.11.3 Stirtec Gmbh Friction Stir Welding (FSW) Machines Product Market

Performance

9.11.4 Stirtec Gmbh Business Overview

9.11.5 Stirtec Gmbh Recent Developments

9.12 Bond Technologies

9.12.1 Bond Technologies Friction Stir Welding (FSW) Machines Basic Information

9.12.2 Bond Technologies Friction Stir Welding (FSW) Machines Product Overview

9.12.3 Bond Technologies Friction Stir Welding (FSW) Machines Product Market

Performance

9.12.4 Bond Technologies Business Overview

9.12.5 Bond Technologies Recent Developments

9.13 TRA-C industrie

9.13.1 TRA-C industrie Friction Stir Welding (FSW) Machines Basic Information

9.13.2 TRA-C industrie Friction Stir Welding (FSW) Machines Product Overview

9.13.3 TRA-C industrie Friction Stir Welding (FSW) Machines Product Market

Performance

9.13.4 TRA-C industrie Business Overview

9.13.5 TRA-C industrie Recent Developments

9.14 U-Jin Tech

9.14.1 U-Jin Tech Friction Stir Welding (FSW) Machines Basic Information

9.14.2 U-Jin Tech Friction Stir Welding (FSW) Machines Product Overview

9.14.3 U-Jin Tech Friction Stir Welding (FSW) Machines Product Market Performance

9.14.4 U-Jin Tech Business Overview

9.14.5 U-Jin Tech Recent Developments

9.15 TWI Ltd

9.15.1 TWI Ltd Friction Stir Welding (FSW) Machines Basic Information

9.15.2 TWI Ltd Friction Stir Welding (FSW) Machines Product Overview

9.15.3 TWI Ltd Friction Stir Welding (FSW) Machines Product Market Performance

9.15.4 TWI Ltd Business Overview

9.15.5 TWI Ltd Recent Developments

9.16 Beijing FSW

9.16.1 Beijing FSW Friction Stir Welding (FSW) Machines Basic Information

9.16.2 Beijing FSW Friction Stir Welding (FSW) Machines Product Overview

9.16.3 Beijing FSW Friction Stir Welding (FSW) Machines Product Market

Performance

9.16.4 Beijing FSW Business Overview

9.16.5 Beijing FSW Recent Developments

10 FRICTION STIR WELDING (FSW) MACHINES MARKET FORECAST BY REGION

10.1 Global Friction Stir Welding (FSW) Machines Market Size Forecast

10.2 Global Friction Stir Welding (FSW) Machines Market Forecast by Region

10.2.1 North America Market Size Forecast by Country

10.2.2 Europe Friction Stir Welding (FSW) Machines Market Size Forecast by Country

10.2.3 Asia Pacific Friction Stir Welding (FSW) Machines Market Size Forecast by Region

10.2.4 South America Friction Stir Welding (FSW) Machines Market Size Forecast by Country

10.2.5 Middle East and Africa Forecasted Consumption of Friction Stir Welding (FSW) Machines by Country

11 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2030)

11.1 Global Friction Stir Welding (FSW) Machines Market Forecast by Type (2025-2030)

11.1.1 Global Forecasted Sales of Friction Stir Welding (FSW) Machines by Type (2025-2030)

11.1.2 Global Friction Stir Welding (FSW) Machines Market Size Forecast by Type (2025-2030)

11.1.3 Global Forecasted Price of Friction Stir Welding (FSW) Machines by Type (2025-2030)

11.2 Global Friction Stir Welding (FSW) Machines Market Forecast by Application (2025-2030)

11.2.1 Global Friction Stir Welding (FSW) Machines Sales (K Units) Forecast by Application

11.2.2 Global Friction Stir Welding (FSW) Machines Market Size (M USD) Forecast by Application (2025-2030)

12 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Friction Stir Welding (FSW) Machines Market Size Comparison by Region (M USD)

Table 5. Global Friction Stir Welding (FSW) Machines Sales (K Units) by Manufacturers (2019-2024)

Table 6. Global Friction Stir Welding (FSW) Machines Sales Market Share by Manufacturers (2019-2024)

Table 7. Global Friction Stir Welding (FSW) Machines Revenue (M USD) by Manufacturers (2019-2024)

Table 8. Global Friction Stir Welding (FSW) Machines Revenue Share by Manufacturers (2019-2024)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Friction Stir Welding (FSW) Machines as of 2022)

Table 10. Global Market Friction Stir Welding (FSW) Machines Average Price (USD/Unit) of Key Manufacturers (2019-2024)

Table 11. Manufacturers Friction Stir Welding (FSW) Machines Sales Sites and Area Served

Table 12. Manufacturers Friction Stir Welding (FSW) Machines Product Type

Table 13. Global Friction Stir Welding (FSW) Machines Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Industry Chain Map of Friction Stir Welding (FSW) Machines

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Friction Stir Welding (FSW) Machines Market Challenges

Table 22. Global Friction Stir Welding (FSW) Machines Sales by Type (K Units)

Table 23. Global Friction Stir Welding (FSW) Machines Market Size by Type (M USD)

Table 24. Global Friction Stir Welding (FSW) Machines Sales (K Units) by Type (2019-2024)

Table 25. Global Friction Stir Welding (FSW) Machines Sales Market Share by Type

(2019-2024)

Table 26. Global Friction Stir Welding (FSW) Machines Market Size (M USD) by Type (2019-2024)

Table 27. Global Friction Stir Welding (FSW) Machines Market Size Share by Type (2019-2024)

Table 28. Global Friction Stir Welding (FSW) Machines Price (USD/Unit) by Type (2019-2024)

Table 29. Global Friction Stir Welding (FSW) Machines Sales (K Units) by Application

Table 30. Global Friction Stir Welding (FSW) Machines Market Size by Application

Table 31. Global Friction Stir Welding (FSW) Machines Sales by Application (2019-2024) & (K Units)

Table 32. Global Friction Stir Welding (FSW) Machines Sales Market Share by Application (2019-2024)

Table 33. Global Friction Stir Welding (FSW) Machines Sales by Application (2019-2024) & (M USD)

Table 34. Global Friction Stir Welding (FSW) Machines Market Share by Application (2019-2024)

Table 35. Global Friction Stir Welding (FSW) Machines Sales Growth Rate by Application (2019-2024)

Table 36. Global Friction Stir Welding (FSW) Machines Sales by Region (2019-2024) & (K Units)

Table 37. Global Friction Stir Welding (FSW) Machines Sales Market Share by Region (2019-2024)

Table 38. North America Friction Stir Welding (FSW) Machines Sales by Country (2019-2024) & (K Units)

Table 39. Europe Friction Stir Welding (FSW) Machines Sales by Country (2019-2024) & (K Units)

Table 40. Asia Pacific Friction Stir Welding (FSW) Machines Sales by Region (2019-2024) & (K Units)

Table 41. South America Friction Stir Welding (FSW) Machines Sales by Country (2019-2024) & (K Units)

Table 42. Middle East and Africa Friction Stir Welding (FSW) Machines Sales by Region (2019-2024) & (K Units)

Table 43. ESAB Friction Stir Welding (FSW) Machines Basic Information

Table 44. ESAB Friction Stir Welding (FSW) Machines Product Overview

Table 45. ESAB Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 46. ESAB Business Overview

Table 47. ESAB Friction Stir Welding (FSW) Machines SWOT Analysis

Table 48. ESAB Recent Developments

Table 49. Grenzebach Maschinenbau GmbH Friction Stir Welding (FSW) Machines Basic Information

Table 50. Grenzebach Maschinenbau GmbH Friction Stir Welding (FSW) Machines Product Overview

Table 51. Grenzebach Maschinenbau GmbH Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 52. Grenzebach Maschinenbau GmbH Business Overview

Table 53. Grenzebach Maschinenbau GmbH Friction Stir Welding (FSW) Machines SWOT Analysis

Table 54. Grenzebach Maschinenbau GmbH Recent Developments

Table 55. Hitachi Friction Stir Welding (FSW) Machines Basic Information

Table 56. Hitachi Friction Stir Welding (FSW) Machines Product Overview

Table 57. Hitachi Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 58. Hitachi Friction Stir Welding (FSW) Machines SWOT Analysis

Table 59. Hitachi Business Overview

Table 60. Hitachi Recent Developments

Table 61. PTG Friction Stir Welding (FSW) Machines Basic Information

Table 62. PTG Friction Stir Welding (FSW) Machines Product Overview

Table 63. PTG Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 64. PTG Business Overview

Table 65. PTG Recent Developments

Table 66. Mazak Corporation Friction Stir Welding (FSW) Machines Basic Information

Table 67. Mazak Corporation Friction Stir Welding (FSW) Machines Product Overview

Table 68. Mazak Corporation Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 69. Mazak Corporation Business Overview

Table 70. Mazak Corporation Recent Developments

Table 71. FOOKE GmbH Friction Stir Welding (FSW) Machines Basic Information

Table 72. FOOKE GmbH Friction Stir Welding (FSW) Machines Product Overview

Table 73. FOOKE GmbH Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 74. FOOKE GmbH Business Overview

Table 75. FOOKE GmbH Recent Developments

Table 76. PaR Systems Friction Stir Welding (FSW) Machines Basic Information

Table 77. PaR Systems Friction Stir Welding (FSW) Machines Product Overview

Table 78. PaR Systems Friction Stir Welding (FSW) Machines Sales (K Units), Revenue

(M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 79. PaR Systems Business Overview

Table 80. PaR Systems Recent Developments

Table 81. Nitto Seiki Friction Stir Welding (FSW) Machines Basic Information

Table 82. Nitto Seiki Friction Stir Welding (FSW) Machines Product Overview

Table 83. Nitto Seiki Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 84. Nitto Seiki Business Overview

Table 85. Nitto Seiki Recent Developments

Table 86. General Tool Friction Stir Welding (FSW) Machines Basic Information

Table 87. General Tool Friction Stir Welding (FSW) Machines Product Overview

Table 88. General Tool Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 89. General Tool Business Overview

Table 90. General Tool Recent Developments

Table 91. Gatwick Friction Stir Welding (FSW) Machines Basic Information

Table 92. Gatwick Friction Stir Welding (FSW) Machines Product Overview

Table 93. Gatwick Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 94. Gatwick Business Overview

Table 95. Gatwick Recent Developments

Table 96. Stirtec Gmbh Friction Stir Welding (FSW) Machines Basic Information

Table 97. Stirtec Gmbh Friction Stir Welding (FSW) Machines Product Overview

Table 98. Stirtec Gmbh Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 99. Stirtec Gmbh Business Overview

Table 100. Stirtec Gmbh Recent Developments

Table 101. Bond Technologies Friction Stir Welding (FSW) Machines Basic Information

Table 102. Bond Technologies Friction Stir Welding (FSW) Machines Product Overview

Table 103. Bond Technologies Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 104. Bond Technologies Business Overview

Table 105. Bond Technologies Recent Developments

Table 106. TRA-C industrie Friction Stir Welding (FSW) Machines Basic Information

Table 107. TRA-C industrie Friction Stir Welding (FSW) Machines Product Overview

Table 108. TRA-C industrie Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)

Table 109. TRA-C industrie Business Overview

Table 110. TRA-C industrie Recent Developments

- Table 111. U-Jin Tech Friction Stir Welding (FSW) Machines Basic Information
- Table 112. U-Jin Tech Friction Stir Welding (FSW) Machines Product Overview
- Table 113. U-Jin Tech Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 114. U-Jin Tech Business Overview
- Table 115. U-Jin Tech Recent Developments
- Table 116. TWI Ltd Friction Stir Welding (FSW) Machines Basic Information
- Table 117. TWI Ltd Friction Stir Welding (FSW) Machines Product Overview
- Table 118. TWI Ltd Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 119. TWI Ltd Business Overview
- Table 120. TWI Ltd Recent Developments
- Table 121. Beijing FSW Friction Stir Welding (FSW) Machines Basic Information
- Table 122. Beijing FSW Friction Stir Welding (FSW) Machines Product Overview
- Table 123. Beijing FSW Friction Stir Welding (FSW) Machines Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 124. Beijing FSW Business Overview
- Table 125. Beijing FSW Recent Developments
- Table 126. Global Friction Stir Welding (FSW) Machines Sales Forecast by Region (2025-2030) & (K Units)
- Table 127. Global Friction Stir Welding (FSW) Machines Market Size Forecast by Region (2025-2030) & (M USD)
- Table 128. North America Friction Stir Welding (FSW) Machines Sales Forecast by Country (2025-2030) & (K Units)
- Table 129. North America Friction Stir Welding (FSW) Machines Market Size Forecast by Country (2025-2030) & (M USD)
- Table 130. Europe Friction Stir Welding (FSW) Machines Sales Forecast by Country (2025-2030) & (K Units)
- Table 131. Europe Friction Stir Welding (FSW) Machines Market Size Forecast by Country (2025-2030) & (M USD)
- Table 132. Asia Pacific Friction Stir Welding (FSW) Machines Sales Forecast by Region (2025-2030) & (K Units)
- Table 133. Asia Pacific Friction Stir Welding (FSW) Machines Market Size Forecast by Region (2025-2030) & (M USD)
- Table 134. South America Friction Stir Welding (FSW) Machines Sales Forecast by Country (2025-2030) & (K Units)
- Table 135. South America Friction Stir Welding (FSW) Machines Market Size Forecast by Country (2025-2030) & (M USD)
- Table 136. Middle East and Africa Friction Stir Welding (FSW) Machines Consumption

Forecast by Country (2025-2030) & (Units)

Table 137. Middle East and Africa Friction Stir Welding (FSW) Machines Market Size Forecast by Country (2025-2030) & (M USD)

Table 138. Global Friction Stir Welding (FSW) Machines Sales Forecast by Type (2025-2030) & (K Units)

Table 139. Global Friction Stir Welding (FSW) Machines Market Size Forecast by Type (2025-2030) & (M USD)

Table 140. Global Friction Stir Welding (FSW) Machines Price Forecast by Type (2025-2030) & (USD/Unit)

Table 141. Global Friction Stir Welding (FSW) Machines Sales (K Units) Forecast by Application (2025-2030)

Table 142. Global Friction Stir Welding (FSW) Machines Market Size Forecast by Application (2025-2030) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Friction Stir Welding (FSW) Machines
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Friction Stir Welding (FSW) Machines Market Size (M USD), 2019-2030
- Figure 5. Global Friction Stir Welding (FSW) Machines Market Size (M USD) (2019-2030)
- Figure 6. Global Friction Stir Welding (FSW) Machines Sales (K Units) & (2019-2030)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Friction Stir Welding (FSW) Machines Market Size by Country (M USD)
- Figure 11. Friction Stir Welding (FSW) Machines Sales Share by Manufacturers in 2023
- Figure 12. Global Friction Stir Welding (FSW) Machines Revenue Share by Manufacturers in 2023
- Figure 13. Friction Stir Welding (FSW) Machines Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2023
- Figure 14. Global Market Friction Stir Welding (FSW) Machines Average Price (USD/Unit) of Key Manufacturers in 2023
- Figure 15. The Global 5 and 10 Largest Players: Market Share by Friction Stir Welding (FSW) Machines Revenue in 2023
- Figure 16. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 17. Global Friction Stir Welding (FSW) Machines Market Share by Type
- Figure 18. Sales Market Share of Friction Stir Welding (FSW) Machines by Type (2019-2024)
- Figure 19. Sales Market Share of Friction Stir Welding (FSW) Machines by Type in 2023
- Figure 20. Market Size Share of Friction Stir Welding (FSW) Machines by Type (2019-2024)
- Figure 21. Market Size Market Share of Friction Stir Welding (FSW) Machines by Type in 2023
- Figure 22. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 23. Global Friction Stir Welding (FSW) Machines Market Share by Application
- Figure 24. Global Friction Stir Welding (FSW) Machines Sales Market Share by Application (2019-2024)

Figure 25. Global Friction Stir Welding (FSW) Machines Sales Market Share by Application in 2023

Figure 26. Global Friction Stir Welding (FSW) Machines Market Share by Application (2019-2024)

Figure 27. Global Friction Stir Welding (FSW) Machines Market Share by Application in 2023

Figure 28. Global Friction Stir Welding (FSW) Machines Sales Growth Rate by Application (2019-2024)

Figure 29. Global Friction Stir Welding (FSW) Machines Sales Market Share by Region (2019-2024)

Figure 30. North America Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 31. North America Friction Stir Welding (FSW) Machines Sales Market Share by Country in 2023

Figure 32. U.S. Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 33. Canada Friction Stir Welding (FSW) Machines Sales (K Units) and Growth Rate (2019-2024)

Figure 34. Mexico Friction Stir Welding (FSW) Machines Sales (Units) and Growth Rate (2019-2024)

Figure 35. Europe Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 36. Europe Friction Stir Welding (FSW) Machines Sales Market Share by Country in 2023

Figure 37. Germany Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 38. France Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 39. U.K. Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 40. Italy Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 41. Russia Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 42. Asia Pacific Friction Stir Welding (FSW) Machines Sales and Growth Rate (K Units)

Figure 43. Asia Pacific Friction Stir Welding (FSW) Machines Sales Market Share by Region in 2023

Figure 44. China Friction Stir Welding (FSW) Machines Sales and Growth Rate

(2019-2024) & (K Units)

Figure 45. Japan Friction Stir Welding (FSW) Machines Sales and Growth Rate

(2019-2024) & (K Units)

Figure 46. South Korea Friction Stir Welding (FSW) Machines Sales and Growth Rate

(2019-2024) & (K Units)

Figure 47. India Friction Stir Welding (FSW) Machines Sales and Growth Rate

(2019-2024) & (K Units)

Figure 48. Southeast Asia Friction Stir Welding (FSW) Machines Sales and Growth

Rate (2019-2024) & (K Units)

Figure 49. South America Friction Stir Welding (FSW) Machines Sales and Growth Rate

(K Units)

Figure 50. South America Friction Stir Welding (FSW) Machines Sales Market Share by Country in 2023

Figure 51. Brazil Friction Stir Welding (FSW) Machines Sales and Growth Rate

(2019-2024) & (K Units)

Figure 52. Argentina Friction Stir Welding (FSW) Machines Sales and Growth Rate

(2019-2024) & (K Units)

Figure 53. Columbia Friction Stir Welding (FSW) Machines Sales and Growth Rate

(2019-2024) & (K Units)

Figure 54. Middle East and Africa Friction Stir Welding (FSW) Machines Sales and Growth Rate (K Units)

Figure 55. Middle East and Africa Friction Stir Welding (FSW) Machines Sales Market Share by Region in 2023

Figure 56. Saudi Arabia Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 57. UAE Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 58. Egypt Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 59. Nigeria Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 60. South Africa Friction Stir Welding (FSW) Machines Sales and Growth Rate (2019-2024) & (K Units)

Figure 61. Global Friction Stir Welding (FSW) Machines Sales Forecast by Volume (2019-2030) & (K Units)

Figure 62. Global Friction Stir Welding (FSW) Machines Market Size Forecast by Value (2019-2030) & (M USD)

Figure 63. Global Friction Stir Welding (FSW) Machines Sales Market Share Forecast by Type (2025-2030)

Figure 64. Global Friction Stir Welding (FSW) Machines Market Share Forecast by Type (2025-2030)

Figure 65. Global Friction Stir Welding (FSW) Machines Sales Forecast by Application (2025-2030)

Figure 66. Global Friction Stir Welding (FSW) Machines Market Share Forecast by Application (2025-2030)

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