

Global Friction Stir Welding Machine Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G05F2E909B0GEN.html>

Date: December 2024

Pages: 120

Price: US\$ 3,480.00 (Single User License)

ID: G05F2E909B0GEN

Abstracts

According to our (Global Info Research) latest study, the global Friction Stir Welding Machine market size was valued at USD 179.3 million in 2023 and is forecast to a readjusted size of USD 260.1 million by 2030 with a CAGR of 5.5% during review period.

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.

Segment 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.

The Global Info Research report includes an overview of the development of the Friction Stir Welding Machine industry chain, the market status of Aerospace Industry (160 Tons, 250 Tons), Automobile Industry (160 Tons, 250 Tons), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Friction Stir Welding Machine.

Regionally, the report analyzes the Friction Stir Welding Machine markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Friction Stir Welding Machine market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Friction Stir Welding Machine market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Friction Stir Welding Machine industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., 160 Tons, 250 Tons).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Friction Stir Welding Machine market.

Regional Analysis: The report involves examining the Friction Stir Welding Machine market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Friction Stir Welding Machine market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Friction Stir Welding Machine:

Company Analysis: Report covers individual Friction Stir Welding Machine manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Friction Stir Welding Machine. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Aerospace Industry, Automobile Industry).

Technology Analysis: Report covers specific technologies relevant to Friction Stir Welding Machine. It assesses the current state, advancements, and potential future developments in Friction Stir Welding Machine areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Friction Stir Welding Machine market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Friction Stir Welding Machine market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

160 Tons

250 Tons

400 Tons

Other

Market segment by Application

Aerospace Industry

Automobile Industry

Oil and Gas Industry

Power Generation Industry

Consumer Product Industry

Major players covered

Branson (Emerson)

KUKA

Thompson (KUKA)

ESAB

NITTO SEIKI

Forward Technology (Crest)

MTI

Sakae

Dukane

Cyril Bath

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Friction Stir Welding Machine product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Friction Stir Welding Machine, with price, sales, revenue and global market share of Friction Stir Welding Machine from 2019 to 2024.

Chapter 3, the Friction Stir Welding Machine competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Friction Stir Welding Machine breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Friction Stir Welding Machine market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Friction Stir Welding Machine.

Chapter 14 and 15, to describe Friction Stir Welding Machine sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Friction Stir Welding Machine

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Friction Stir Welding Machine Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 160 Tons

1.3.3 250 Tons

1.3.4 400 Tons

1.3.5 Other

1.4 Market Analysis by Application

1.4.1 Overview: Global Friction Stir Welding Machine Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Aerospace Industry

1.4.3 Automobile Industry

1.4.4 Oil and Gas Industry

1.4.5 Power Generation Industry

1.4.6 Consumer Product Industry

1.5 Global Friction Stir Welding Machine Market Size & Forecast

1.5.1 Global Friction Stir Welding Machine Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Friction Stir Welding Machine Sales Quantity (2019-2030)

1.5.3 Global Friction Stir Welding Machine Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 Branson (Emerson)

2.1.1 Branson (Emerson) Details

2.1.2 Branson (Emerson) Major Business

2.1.3 Branson (Emerson) Friction Stir Welding Machine Product and Services

2.1.4 Branson (Emerson) Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 Branson (Emerson) Recent Developments/Updates

2.2 KUKA

2.2.1 KUKA Details

2.2.2 KUKA Major Business

2.2.3 KUKA Friction Stir Welding Machine Product and Services

2.2.4 KUKA Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 KUKA Recent Developments/Updates

2.3 Thompson (KUKA)

2.3.1 Thompson (KUKA) Details

2.3.2 Thompson (KUKA) Major Business

2.3.3 Thompson (KUKA) Friction Stir Welding Machine Product and Services

2.3.4 Thompson (KUKA) Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Thompson (KUKA) Recent Developments/Updates

2.4 ESAB

2.4.1 ESAB Details

2.4.2 ESAB Major Business

2.4.3 ESAB Friction Stir Welding Machine Product and Services

2.4.4 ESAB Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 ESAB Recent Developments/Updates

2.5 NITTO SEIKI

2.5.1 NITTO SEIKI Details

2.5.2 NITTO SEIKI Major Business

2.5.3 NITTO SEIKI Friction Stir Welding Machine Product and Services

2.5.4 NITTO SEIKI Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 NITTO SEIKI Recent Developments/Updates

2.6 Forward Technology (Crest)

2.6.1 Forward Technology (Crest) Details

2.6.2 Forward Technology (Crest) Major Business

2.6.3 Forward Technology (Crest) Friction Stir Welding Machine Product and Services

2.6.4 Forward Technology (Crest) Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Forward Technology (Crest) Recent Developments/Updates

2.7 MTI

2.7.1 MTI Details

2.7.2 MTI Major Business

2.7.3 MTI Friction Stir Welding Machine Product and Services

2.7.4 MTI Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 MTI Recent Developments/Updates

2.8 Sakae

- 2.8.1 Sakae Details
- 2.8.2 Sakae Major Business
- 2.8.3 Sakae Friction Stir Welding Machine Product and Services
- 2.8.4 Sakae Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
- 2.8.5 Sakae Recent Developments/Updates
- 2.9 Dukane
 - 2.9.1 Dukane Details
 - 2.9.2 Dukane Major Business
 - 2.9.3 Dukane Friction Stir Welding Machine Product and Services
 - 2.9.4 Dukane Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.9.5 Dukane Recent Developments/Updates
- 2.10 Cyril Bath
 - 2.10.1 Cyril Bath Details
 - 2.10.2 Cyril Bath Major Business
 - 2.10.3 Cyril Bath Friction Stir Welding Machine Product and Services
 - 2.10.4 Cyril Bath Friction Stir Welding Machine Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)
 - 2.10.5 Cyril Bath Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: FRICTION STIR WELDING MACHINE BY MANUFACTURER

- 3.1 Global Friction Stir Welding Machine Sales Quantity by Manufacturer (2019-2024)
- 3.2 Global Friction Stir Welding Machine Revenue by Manufacturer (2019-2024)
- 3.3 Global Friction Stir Welding Machine Average Price by Manufacturer (2019-2024)
- 3.4 Market Share Analysis (2023)
 - 3.4.1 Producer Shipments of Friction Stir Welding Machine by Manufacturer Revenue (\$MM) and Market Share (%): 2023
 - 3.4.2 Top 3 Friction Stir Welding Machine Manufacturer Market Share in 2023
 - 3.4.2 Top 6 Friction Stir Welding Machine Manufacturer Market Share in 2023
- 3.5 Friction Stir Welding Machine Market: Overall Company Footprint Analysis
 - 3.5.1 Friction Stir Welding Machine Market: Region Footprint
 - 3.5.2 Friction Stir Welding Machine Market: Company Product Type Footprint
 - 3.5.3 Friction Stir Welding Machine Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

4.1 Global Friction Stir Welding Machine Market Size by Region

4.1.1 Global Friction Stir Welding Machine Sales Quantity by Region (2019-2030)

4.1.2 Global Friction Stir Welding Machine Consumption Value by Region (2019-2030)

4.1.3 Global Friction Stir Welding Machine Average Price by Region (2019-2030)

4.2 North America Friction Stir Welding Machine Consumption Value (2019-2030)

4.3 Europe Friction Stir Welding Machine Consumption Value (2019-2030)

4.4 Asia-Pacific Friction Stir Welding Machine Consumption Value (2019-2030)

4.5 South America Friction Stir Welding Machine Consumption Value (2019-2030)

4.6 Middle East and Africa Friction Stir Welding Machine Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

5.1 Global Friction Stir Welding Machine Sales Quantity by Type (2019-2030)

5.2 Global Friction Stir Welding Machine Consumption Value by Type (2019-2030)

5.3 Global Friction Stir Welding Machine Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

6.1 Global Friction Stir Welding Machine Sales Quantity by Application (2019-2030)

6.2 Global Friction Stir Welding Machine Consumption Value by Application (2019-2030)

6.3 Global Friction Stir Welding Machine Average Price by Application (2019-2030)

7 NORTH AMERICA

7.1 North America Friction Stir Welding Machine Sales Quantity by Type (2019-2030)

7.2 North America Friction Stir Welding Machine Sales Quantity by Application (2019-2030)

7.3 North America Friction Stir Welding Machine Market Size by Country

7.3.1 North America Friction Stir Welding Machine Sales Quantity by Country (2019-2030)

7.3.2 North America Friction Stir Welding Machine Consumption Value by Country (2019-2030)

7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Friction Stir Welding Machine Sales Quantity by Type (2019-2030)

8.2 Europe Friction Stir Welding Machine Sales Quantity by Application (2019-2030)

8.3 Europe Friction Stir Welding Machine Market Size by Country

8.3.1 Europe Friction Stir Welding Machine Sales Quantity by Country (2019-2030)

8.3.2 Europe Friction Stir Welding Machine Consumption Value by Country
(2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Friction Stir Welding Machine Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Friction Stir Welding Machine Sales Quantity by Application
(2019-2030)

9.3 Asia-Pacific Friction Stir Welding Machine Market Size by Region

9.3.1 Asia-Pacific Friction Stir Welding Machine Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Friction Stir Welding Machine Consumption Value by Region
(2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Friction Stir Welding Machine Sales Quantity by Type (2019-2030)

10.2 South America Friction Stir Welding Machine Sales Quantity by Application
(2019-2030)

10.3 South America Friction Stir Welding Machine Market Size by Country

10.3.1 South America Friction Stir Welding Machine Sales Quantity by Country
(2019-2030)

10.3.2 South America Friction Stir Welding Machine Consumption Value by Country (2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Friction Stir Welding Machine Sales Quantity by Type (2019-2030)

11.2 Middle East & Africa Friction Stir Welding Machine Sales Quantity by Application (2019-2030)

11.3 Middle East & Africa Friction Stir Welding Machine Market Size by Country

11.3.1 Middle East & Africa Friction Stir Welding Machine Sales Quantity by Country (2019-2030)

11.3.2 Middle East & Africa Friction Stir Welding Machine Consumption Value by Country (2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Friction Stir Welding Machine Market Drivers

12.2 Friction Stir Welding Machine Market Restraints

12.3 Friction Stir Welding Machine Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Friction Stir Welding Machine and Key Manufacturers

13.2 Manufacturing Costs Percentage of Friction Stir Welding Machine

13.3 Friction Stir Welding Machine Production Process

13.4 Friction Stir Welding Machine Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Friction Stir Welding Machine Typical Distributors

14.3 Friction Stir Welding Machine Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Friction Stir Welding Machine Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Friction Stir Welding Machine Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. Branson (Emerson) Basic Information, Manufacturing Base and Competitors

Table 4. Branson (Emerson) Major Business

Table 5. Branson (Emerson) Friction Stir Welding Machine Product and Services

Table 6. Branson (Emerson) Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. Branson (Emerson) Recent Developments/Updates

Table 8. KUKA Basic Information, Manufacturing Base and Competitors

Table 9. KUKA Major Business

Table 10. KUKA Friction Stir Welding Machine Product and Services

Table 11. KUKA Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. KUKA Recent Developments/Updates

Table 13. Thompson (KUKA) Basic Information, Manufacturing Base and Competitors

Table 14. Thompson (KUKA) Major Business

Table 15. Thompson (KUKA) Friction Stir Welding Machine Product and Services

Table 16. Thompson (KUKA) Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Thompson (KUKA) Recent Developments/Updates

Table 18. ESAB Basic Information, Manufacturing Base and Competitors

Table 19. ESAB Major Business

Table 20. ESAB Friction Stir Welding Machine Product and Services

Table 21. ESAB Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. ESAB Recent Developments/Updates

Table 23. NITTO SEIKI Basic Information, Manufacturing Base and Competitors

Table 24. NITTO SEIKI Major Business

Table 25. NITTO SEIKI Friction Stir Welding Machine Product and Services

Table 26. NITTO SEIKI Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. NITTO SEIKI Recent Developments/Updates
Table 28. Forward Technology (Crest) Basic Information, Manufacturing Base and Competitors
Table 29. Forward Technology (Crest) Major Business
Table 30. Forward Technology (Crest) Friction Stir Welding Machine Product and Services
Table 31. Forward Technology (Crest) Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 32. Forward Technology (Crest) Recent Developments/Updates
Table 33. MTI Basic Information, Manufacturing Base and Competitors
Table 34. MTI Major Business
Table 35. MTI Friction Stir Welding Machine Product and Services
Table 36. MTI Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 37. MTI Recent Developments/Updates
Table 38. Sakae Basic Information, Manufacturing Base and Competitors
Table 39. Sakae Major Business
Table 40. Sakae Friction Stir Welding Machine Product and Services
Table 41. Sakae Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 42. Sakae Recent Developments/Updates
Table 43. Dukane Basic Information, Manufacturing Base and Competitors
Table 44. Dukane Major Business
Table 45. Dukane Friction Stir Welding Machine Product and Services
Table 46. Dukane Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 47. Dukane Recent Developments/Updates
Table 48. Cyril Bath Basic Information, Manufacturing Base and Competitors
Table 49. Cyril Bath Major Business
Table 50. Cyril Bath Friction Stir Welding Machine Product and Services
Table 51. Cyril Bath Friction Stir Welding Machine Sales Quantity (Units), Average Price (USD/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 52. Cyril Bath Recent Developments/Updates
Table 53. Global Friction Stir Welding Machine Sales Quantity by Manufacturer (2019-2024) & (Units)
Table 54. Global Friction Stir Welding Machine Revenue by Manufacturer (2019-2024) & (USD Million)
Table 55. Global Friction Stir Welding Machine Average Price by Manufacturer

(2019-2024) & (USD/Unit)

Table 56. Market Position of Manufacturers in Friction Stir Welding Machine, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023

Table 57. Head Office and Friction Stir Welding Machine Production Site of Key Manufacturer

Table 58. Friction Stir Welding Machine Market: Company Product Type Footprint

Table 59. Friction Stir Welding Machine Market: Company Product Application Footprint

Table 60. Friction Stir Welding Machine New Market Entrants and Barriers to Market Entry

Table 61. Friction Stir Welding Machine Mergers, Acquisition, Agreements, and Collaborations

Table 62. Global Friction Stir Welding Machine Sales Quantity by Region (2019-2024) & (Units)

Table 63. Global Friction Stir Welding Machine Sales Quantity by Region (2025-2030) & (Units)

Table 64. Global Friction Stir Welding Machine Consumption Value by Region (2019-2024) & (USD Million)

Table 65. Global Friction Stir Welding Machine Consumption Value by Region (2025-2030) & (USD Million)

Table 66. Global Friction Stir Welding Machine Average Price by Region (2019-2024) & (USD/Unit)

Table 67. Global Friction Stir Welding Machine Average Price by Region (2025-2030) & (USD/Unit)

Table 68. Global Friction Stir Welding Machine Sales Quantity by Type (2019-2024) & (Units)

Table 69. Global Friction Stir Welding Machine Sales Quantity by Type (2025-2030) & (Units)

Table 70. Global Friction Stir Welding Machine Consumption Value by Type (2019-2024) & (USD Million)

Table 71. Global Friction Stir Welding Machine Consumption Value by Type (2025-2030) & (USD Million)

Table 72. Global Friction Stir Welding Machine Average Price by Type (2019-2024) & (USD/Unit)

Table 73. Global Friction Stir Welding Machine Average Price by Type (2025-2030) & (USD/Unit)

Table 74. Global Friction Stir Welding Machine Sales Quantity by Application (2019-2024) & (Units)

Table 75. Global Friction Stir Welding Machine Sales Quantity by Application (2025-2030) & (Units)

Table 76. Global Friction Stir Welding Machine Consumption Value by Application (2019-2024) & (USD Million)

Table 77. Global Friction Stir Welding Machine Consumption Value by Application (2025-2030) & (USD Million)

Table 78. Global Friction Stir Welding Machine Average Price by Application (2019-2024) & (USD/Unit)

Table 79. Global Friction Stir Welding Machine Average Price by Application (2025-2030) & (USD/Unit)

Table 80. North America Friction Stir Welding Machine Sales Quantity by Type (2019-2024) & (Units)

Table 81. North America Friction Stir Welding Machine Sales Quantity by Type (2025-2030) & (Units)

Table 82. North America Friction Stir Welding Machine Sales Quantity by Application (2019-2024) & (Units)

Table 83. North America Friction Stir Welding Machine Sales Quantity by Application (2025-2030) & (Units)

Table 84. North America Friction Stir Welding Machine Sales Quantity by Country (2019-2024) & (Units)

Table 85. North America Friction Stir Welding Machine Sales Quantity by Country (2025-2030) & (Units)

Table 86. North America Friction Stir Welding Machine Consumption Value by Country (2019-2024) & (USD Million)

Table 87. North America Friction Stir Welding Machine Consumption Value by Country (2025-2030) & (USD Million)

Table 88. Europe Friction Stir Welding Machine Sales Quantity by Type (2019-2024) & (Units)

Table 89. Europe Friction Stir Welding Machine Sales Quantity by Type (2025-2030) & (Units)

Table 90. Europe Friction Stir Welding Machine Sales Quantity by Application (2019-2024) & (Units)

Table 91. Europe Friction Stir Welding Machine Sales Quantity by Application (2025-2030) & (Units)

Table 92. Europe Friction Stir Welding Machine Sales Quantity by Country (2019-2024) & (Units)

Table 93. Europe Friction Stir Welding Machine Sales Quantity by Country (2025-2030) & (Units)

Table 94. Europe Friction Stir Welding Machine Consumption Value by Country (2019-2024) & (USD Million)

Table 95. Europe Friction Stir Welding Machine Consumption Value by Country

(2025-2030) & (USD Million)

Table 96. Asia-Pacific Friction Stir Welding Machine Sales Quantity by Type
(2019-2024) & (Units)

Table 97. Asia-Pacific Friction Stir Welding Machine Sales Quantity by Type
(2025-2030) & (Units)

Table 98. Asia-Pacific Friction Stir Welding Machine Sales Quantity by Application
(2019-2024) & (Units)

Table 99. Asia-Pacific Friction Stir Welding Machine Sales Quantity by Application
(2025-2030) & (Units)

Table 100. Asia-Pacific Friction Stir Welding Machine Sales Quantity by Region
(2019-2024) & (Units)

Table 101. Asia-Pacific Friction Stir Welding Machine Sales Quantity by Region
(2025-2030) & (Units)

Table 102. Asia-Pacific Friction Stir Welding Machine Consumption Value by Region
(2019-2024) & (USD Million)

Table 103. Asia-Pacific Friction Stir Welding Machine Consumption Value by Region
(2025-2030) & (USD Million)

Table 104. South America Friction Stir Welding Machine Sales Quantity by Type
(2019-2024) & (Units)

Table 105. South America Friction Stir Welding Machine Sales Quantity by Type
(2025-2030) & (Units)

Table 106. South America Friction Stir Welding Machine Sales Quantity by Application
(2019-2024) & (Units)

Table 107. South America Friction Stir Welding Machine Sales Quantity by Application
(2025-2030) & (Units)

Table 108. South America Friction Stir Welding Machine Sales Quantity by Country
(2019-2024) & (Units)

Table 109. South America Friction Stir Welding Machine Sales Quantity by Country
(2025-2030) & (Units)

Table 110. South America Friction Stir Welding Machine Consumption Value by Country
(2019-2024) & (USD Million)

Table 111. South America Friction Stir Welding Machine Consumption Value by Country
(2025-2030) & (USD Million)

Table 112. Middle East & Africa Friction Stir Welding Machine Sales Quantity by Type
(2019-2024) & (Units)

Table 113. Middle East & Africa Friction Stir Welding Machine Sales Quantity by Type
(2025-2030) & (Units)

Table 114. Middle East & Africa Friction Stir Welding Machine Sales Quantity by
Application (2019-2024) & (Units)

Table 115. Middle East & Africa Friction Stir Welding Machine Sales Quantity by Application (2025-2030) & (Units)

Table 116. Middle East & Africa Friction Stir Welding Machine Sales Quantity by Region (2019-2024) & (Units)

Table 117. Middle East & Africa Friction Stir Welding Machine Sales Quantity by Region (2025-2030) & (Units)

Table 118. Middle East & Africa Friction Stir Welding Machine Consumption Value by Region (2019-2024) & (USD Million)

Table 119. Middle East & Africa Friction Stir Welding Machine Consumption Value by Region (2025-2030) & (USD Million)

Table 120. Friction Stir Welding Machine Raw Material

Table 121. Key Manufacturers of Friction Stir Welding Machine Raw Materials

Table 122. Friction Stir Welding Machine Typical Distributors

Table 123. Friction Stir Welding Machine Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Friction Stir Welding Machine Picture

Figure 2. Global Friction Stir Welding Machine Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Friction Stir Welding Machine Consumption Value Market Share by Type in 2023

Figure 4. 160 Tons Examples

Figure 5. 250 Tons Examples

Figure 6. 400 Tons Examples

Figure 7. Other Examples

Figure 8. Global Friction Stir Welding Machine Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 9. Global Friction Stir Welding Machine Consumption Value Market Share by Application in 2023

Figure 10. Aerospace Industry Examples

Figure 11. Automobile Industry Examples

Figure 12. Oil and Gas Industry Examples

Figure 13. Power Generation Industry Examples

Figure 14. Consumer Product Industry Examples

Figure 15. Global Friction Stir Welding Machine Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 16. Global Friction Stir Welding Machine Consumption Value and Forecast (2019-2030) & (USD Million)

Figure 17. Global Friction Stir Welding Machine Sales Quantity (2019-2030) & (Units)

Figure 18. Global Friction Stir Welding Machine Average Price (2019-2030) & (USD/Unit)

Figure 19. Global Friction Stir Welding Machine Sales Quantity Market Share by Manufacturer in 2023

Figure 20. Global Friction Stir Welding Machine Consumption Value Market Share by Manufacturer in 2023

Figure 21. Producer Shipments of Friction Stir Welding Machine by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 22. Top 3 Friction Stir Welding Machine Manufacturer (Consumption Value) Market Share in 2023

Figure 23. Top 6 Friction Stir Welding Machine Manufacturer (Consumption Value) Market Share in 2023

Figure 24. Global Friction Stir Welding Machine Sales Quantity Market Share by Region (2019-2030)

Figure 25. Global Friction Stir Welding Machine Consumption Value Market Share by Region (2019-2030)

Figure 26. North America Friction Stir Welding Machine Consumption Value (2019-2030) & (USD Million)

Figure 27. Europe Friction Stir Welding Machine Consumption Value (2019-2030) & (USD Million)

Figure 28. Asia-Pacific Friction Stir Welding Machine Consumption Value (2019-2030) & (USD Million)

Figure 29. South America Friction Stir Welding Machine Consumption Value (2019-2030) & (USD Million)

Figure 30. Middle East & Africa Friction Stir Welding Machine Consumption Value (2019-2030) & (USD Million)

Figure 31. Global Friction Stir Welding Machine Sales Quantity Market Share by Type (2019-2030)

Figure 32. Global Friction Stir Welding Machine Consumption Value Market Share by Type (2019-2030)

Figure 33. Global Friction Stir Welding Machine Average Price by Type (2019-2030) & (USD/Unit)

Figure 34. Global Friction Stir Welding Machine Sales Quantity Market Share by Application (2019-2030)

Figure 35. Global Friction Stir Welding Machine Consumption Value Market Share by Application (2019-2030)

Figure 36. Global Friction Stir Welding Machine Average Price by Application (2019-2030) & (USD/Unit)

Figure 37. North America Friction Stir Welding Machine Sales Quantity Market Share by Type (2019-2030)

Figure 38. North America Friction Stir Welding Machine Sales Quantity Market Share by Application (2019-2030)

Figure 39. North America Friction Stir Welding Machine Sales Quantity Market Share by Country (2019-2030)

Figure 40. North America Friction Stir Welding Machine Consumption Value Market Share by Country (2019-2030)

Figure 41. United States Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 42. Canada Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 43. Mexico Friction Stir Welding Machine Consumption Value and Growth Rate

(2019-2030) & (USD Million)

Figure 44. Europe Friction Stir Welding Machine Sales Quantity Market Share by Type (2019-2030)

Figure 45. Europe Friction Stir Welding Machine Sales Quantity Market Share by Application (2019-2030)

Figure 46. Europe Friction Stir Welding Machine Sales Quantity Market Share by Country (2019-2030)

Figure 47. Europe Friction Stir Welding Machine Consumption Value Market Share by Country (2019-2030)

Figure 48. Germany Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. France Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. United Kingdom Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 51. Russia Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 52. Italy Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 53. Asia-Pacific Friction Stir Welding Machine Sales Quantity Market Share by Type (2019-2030)

Figure 54. Asia-Pacific Friction Stir Welding Machine Sales Quantity Market Share by Application (2019-2030)

Figure 55. Asia-Pacific Friction Stir Welding Machine Sales Quantity Market Share by Region (2019-2030)

Figure 56. Asia-Pacific Friction Stir Welding Machine Consumption Value Market Share by Region (2019-2030)

Figure 57. China Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Japan Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Korea Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. India Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 61. Southeast Asia Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 62. Australia Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 63. South America Friction Stir Welding Machine Sales Quantity Market Share by Type (2019-2030)

Figure 64. South America Friction Stir Welding Machine Sales Quantity Market Share by Application (2019-2030)

Figure 65. South America Friction Stir Welding Machine Sales Quantity Market Share by Country (2019-2030)

Figure 66. South America Friction Stir Welding Machine Consumption Value Market Share by Country (2019-2030)

Figure 67. Brazil Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 68. Argentina Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 69. Middle East & Africa Friction Stir Welding Machine Sales Quantity Market Share by Type (2019-2030)

Figure 70. Middle East & Africa Friction Stir Welding Machine Sales Quantity Market Share by Application (2019-2030)

Figure 71. Middle East & Africa Friction Stir Welding Machine Sales Quantity Market Share by Region (2019-2030)

Figure 72. Middle East & Africa Friction Stir Welding Machine Consumption Value Market Share by Region (2019-2030)

Figure 73. Turkey Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Egypt Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 75. Saudi Arabia Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 76. South Africa Friction Stir Welding Machine Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 77. Friction Stir Welding Machine Market Drivers

Figure 78. Friction Stir Welding Machine Market Restraints

Figure 79. Friction Stir Welding Machine Market Trends

Figure 80. Porters Five Forces Analysis

Figure 81. Manufacturing Cost Structure Analysis of Friction Stir Welding Machine in 2023

Figure 82. Manufacturing Process Analysis of Friction Stir Welding Machine

Figure 83. Friction Stir Welding Machine Industrial Chain

Figure 84. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 85. Direct Channel Pros & Cons

Figure 86. Indirect Channel Pros & Cons

Figure 87. Methodology

Figure 88. Research Process and Data Source

I would like to order

Product name: Global Friction Stir Welding Machine Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

Product link: <https://marketpublishers.com/r/G05F2E909B0GEN.html>

Price: US\$ 3,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G05F2E909B0GEN.html>