

Global Friction Stir Welding Tools Market Research Report 2025(Status and Outlook)

<https://marketpublishers.com/r/GD8D1B74067EEN.html>

Date: March 2025

Pages: 239

Price: US\$ 3,680.00 (Single User License)

ID: GD8D1B74067EEN

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. While the tool is traversed along the joint line, it mechanically intermixes the two pieces of metal, and forges the hot and softened metal by the mechanical pressure, which is applied by the tool, much like joining clay, or dough. It is primarily used on wrought or extruded aluminium and particularly for structures which need very high weld strength.

This report provides a deep insight into the global Friction Stir Welding Tools 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, 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 Tools 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 Tools market in any manner.

Global Friction Stir Welding Tools 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

Nova-Tech Engineering

Beijing FSW

FOOKE GmbH

PaR Systems

Nitto Seiki

General Tool Company

Sooncable

Gatwick

Stirtec GmbH

Hitachi

PTG

BTI

Valmet

Ekato

Xi'an Yonghua

Fluiten

James Walker

Huayang Seals

Huhnseal

Market Segmentation (by Type)

Desktop Equipment

Gantry Equipment

Others

Market Segmentation (by Application)

Aerospace

Automotive

Shipbuilding

Railways

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 Tools Market

Overview of the regional outlook of the Friction Stir Welding Tools 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.

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 Tools 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

Table of Contents

1 Research Methodology and Statistical Scope

1.1 Market Definition and Statistical Scope of Friction Stir Welding Tools

1.2 Key Market Segments

1.2.1 Friction Stir Welding Tools Segment by Type

1.2.2 Friction Stir Welding Tools 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 Global Friction Stir Welding Tools Market Overview

2.1 Global Market Overview

2.1.1 Global Friction Stir Welding Tools Market Size (M USD) Estimates and Forecasts (2020-2033)

2.1.2 Global Friction Stir Welding Tools Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 Global Friction Stir Welding Tools Market Competitive Landscape

3.1 Company Assessment Quadrant

3.2 Global Friction Stir Welding Tools Product Life Cycle

3.3 Global Friction Stir Welding Tools Sales by Manufacturers (2020-2025)

3.4 Global Friction Stir Welding Tools Revenue Market Share by Manufacturers (2020-2025)

3.5 Friction Stir Welding Tools Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Friction Stir Welding Tools Average Price by Manufacturers (2020-2025)

3.7 Manufacturers Friction Stir Welding Tools Manufacturing Sites, Area Served, Product Type

3.8 Friction Stir Welding Tools Market Competitive Situation and Trends

3.8.1 Friction Stir Welding Tools Market Concentration Rate

3.8.2 Global 5 and 10 Largest Friction Stir Welding Tools Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 Friction Stir Welding Tools Industry Chain Analysis

4.1 Friction Stir Welding Tools 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 Tools Market
 - 5.1 Key Development Trends
 - 5.2 Driving Factors
 - 5.3 Market Challenges
 - 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
 - 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
 - 5.6 Global Friction Stir Welding Tools Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 Global Trade Frictions and Their Impacts to Friction Stir Welding Tools Market
 - 5.7 ESG Ratings of Leading Companies
- 6 Global Friction Stir Welding Tools Market by Region
 - 6.1 Global Friction Stir Welding Tools Market Size by Region
 - 6.1.1 Global Friction Stir Welding Tools Market Size by Region
 - 6.1.2 Global Friction Stir Welding Tools Market Size Market Share by Region
 - 6.2 Global Friction Stir Welding Tools Sales by Region
 - 6.2.1 Global Friction Stir Welding Tools Sales by Region
 - 6.2.2 Global Friction Stir Welding Tools Sales Market Share by Region
- 7 North America Market Overview
 - 7.1 North America Friction Stir Welding Tools Market Size by Country
 - 7.1.1 USA Market Overview
 - 7.1.2 Canada Market Overview
 - 7.1.3 Mexico Market Overview
 - 7.2 North America Friction Stir Welding Tools Market Size by Type
 - 7.3 North America Friction Stir Welding Tools Market Size by Application
- 8 Europe Market Overview
 - 8.1 Europe Friction Stir Welding Tools Market Size by Country
 - 8.1.1 Germany Market Overview
 - 8.1.2 France Market Overview

- 8.1.3 U.K. Market Overview
- 8.1.4 Italy Market Overview
- 8.1.5 Spain Market Overview
- 8.2 Europe Friction Stir Welding Tools Market Size by Type
- 8.3 Europe Friction Stir Welding Tools Market Size by Application
- 9 Asia-Pacific Market Overview
 - 9.1 Asia-Pacific Friction Stir Welding Tools Market Size by Country
 - 9.1.1 China Market Overview
 - 9.1.2 Japan Market Overview
 - 9.1.3 South Korea Market Overview
 - 9.1.4 India Market Overview
 - 9.1.5 Southeast Asia Market Overview
 - 9.2 Asia-Pacific Friction Stir Welding Tools Market Size by Type
 - 9.3 Asia-Pacific Friction Stir Welding Tools Market Size by Application
- 10 South America Market Overview
 - 10.1 South America Friction Stir Welding Tools Market Size by Country
 - 10.1.1 Brazil Market Overview
 - 10.1.2 Argentina Market Overview
 - 10.1.3 Columbia Market Overview
 - 10.2 South America Friction Stir Welding Tools Market Size by Type
 - 10.3 South America Friction Stir Welding Tools Market Size by Application
- 11 Middle East and Africa Market Overview
 - 11.1 Middle East and Africa Friction Stir Welding Tools Market Size by Country
 - 11.1.1 Saudi Arabia Market Overview
 - 11.1.2 UAE Market Overview
 - 11.1.3 Egypt Market Overview
 - 11.1.4 Nigeria Market Overview
 - 11.1.5 South Africa Market Overview
 - 11.2 Middle East and Africa Friction Stir Welding Tools Market Size by Type
 - 11.3 Middle East and Africa Friction Stir Welding Tools Market Size by Application
- 12 Friction Stir Welding Tools Market Production by Region
 - 12.1 Global Production of Friction Stir Welding Tools by Region(2020-2025)
 - 12.2 Global Friction Stir Welding Tools Revenue Market Share by Region (2020-2025)
 - 12.3 Global Friction Stir Welding Tools Production, Revenue, Price and Gross Margin (2020-2025)
 - 12.4 North America Friction Stir Welding Tools Production
 - 12.4.1 North America Friction Stir Welding Tools Production Growth Rate (2020-2025)
 - 12.4.2 North America Friction Stir Welding Tools Production, Revenue, Price and Gross Margin (2020-2025)

- 12.5 Europe Friction Stir Welding Tools Production
 - 12.5.1 Europe Friction Stir Welding Tools Production Growth Rate (2020-2025)
 - 12.5.2 Europe Friction Stir Welding Tools Production, Revenue, Price and Gross Margin (2020-2025)
- 12.6 Japan Friction Stir Welding Tools Production (2020-2025)
 - 12.6.1 Japan Friction Stir Welding Tools Production Growth Rate (2020-2025)
 - 12.6.2 Japan Friction Stir Welding Tools Production, Revenue, Price and Gross Margin (2020-2025)
- 12.7 China Friction Stir Welding Tools Production (2020-2025)
 - 12.7.1 China Friction Stir Welding Tools Production Growth Rate (2020-2025)
 - 12.7.2 China Friction Stir Welding Tools Production, Revenue, Price and Gross Margin (2020-2025)
- 13 Friction Stir Welding Tools Market Segmentation by Type
 - 13.1 Evaluation Matrix of Segment Market Development Potential (Type)
 - 13.2 Global Friction Stir Welding Tools Sales Market Share by Type (2020-2033)
 - 13.3 Global Friction Stir Welding Tools Market Size Market Share by Type (2020-2033)
 - 13.4 Global Friction Stir Welding Tools Price by Type (2020-2033)
- 14 Friction Stir Welding Tools Market Segmentation by Application
 - 14.1 Evaluation Matrix of Segment Market Development Potential (Application)
 - 14.2 Global Friction Stir Welding Tools Market Sales by Application (2020-2033)
 - 14.3 Global Friction Stir Welding Tools Market Size (M USD) by Application (2020-2033)
 - 14.4 Global Friction Stir Welding Tools Sales Growth Rate by Application (2020-2033)
- 15 Key Companies Profile
 - 15.1 ESAB
 - 15.1.1 ESAB Basic Information
 - 15.1.2 ESAB Friction Stir Welding Tools Product Overview
 - 15.1.3 ESAB Friction Stir Welding Tools Product Market Performance
 - 15.1.4 ESAB Business Overview
 - 15.1.5 ESAB SWOT Analysis
 - 15.1.6 ESAB Recent Developments
 - 15.2 Grenzebach Maschinenbau GmbH
 - 15.2.1 Grenzebach Maschinenbau GmbH Basic Information
 - 15.2.2 Grenzebach Maschinenbau GmbH Friction Stir Welding Tools Product Overview
 - 15.2.3 Grenzebach Maschinenbau GmbH Friction Stir Welding Tools Product Market Performance
 - 15.2.4 Grenzebach Maschinenbau GmbH Business Overview
 - 15.2.5 Grenzebach Maschinenbau GmbH SWOT Analysis
 - 15.2.6 Grenzebach Maschinenbau GmbH Recent Developments

15.3 Nova-Tech Engineering

15.3.1 Nova-Tech Engineering Basic Information

15.3.2 Nova-Tech Engineering Friction Stir Welding Tools Product Overview

15.3.3 Nova-Tech Engineering Friction Stir Welding Tools Product Market Performance

15.3.4 Nova-Tech Engineering Business Overview

15.3.5 Nova-Tech Engineering SWOT Analysis

15.3.6 Nova-Tech Engineering Recent Developments

15.4 Beijing FSW

15.4.1 Beijing FSW Basic Information

15.4.2 Beijing FSW Friction Stir Welding Tools Product Overview

15.4.3 Beijing FSW Friction Stir Welding Tools Product Market Performance

15.4.4 Beijing FSW Business Overview

15.4.5 Beijing FSW Recent Developments

15.5 FOOKE GmbH

15.5.1 FOOKE GmbH Basic Information

15.5.2 FOOKE GmbH Friction Stir Welding Tools Product Overview

15.5.3 FOOKE GmbH Friction Stir Welding Tools Product Market Performance

15.5.4 FOOKE GmbH Business Overview

15.5.5 FOOKE GmbH Recent Developments

15.6 PaR Systems

15.6.1 PaR Systems Basic Information

15.6.2 PaR Systems Friction Stir Welding Tools Product Overview

15.6.3 PaR Systems Friction Stir Welding Tools Product Market Performance

15.6.4 PaR Systems Business Overview

15.6.5 PaR Systems Recent Developments

15.7 Nitto Seiki

15.7.1 Nitto Seiki Basic Information

15.7.2 Nitto Seiki Friction Stir Welding Tools Product Overview

15.7.3 Nitto Seiki Friction Stir Welding Tools Product Market Performance

15.7.4 Nitto Seiki Business Overview

15.7.5 Nitto Seiki Recent Developments

15.8 General Tool Company

15.8.1 General Tool Company Basic Information

15.8.2 General Tool Company Friction Stir Welding Tools Product Overview

15.8.3 General Tool Company Friction Stir Welding Tools Product Market Performance

15.8.4 General Tool Company Business Overview

15.8.5 General Tool Company Recent Developments

15.9 Sooncable

15.9.1 Sooncable Basic Information

- 15.9.2 Sooncable Friction Stir Welding Tools Product Overview
- 15.9.3 Sooncable Friction Stir Welding Tools Product Market Performance
- 15.9.4 Sooncable Business Overview
- 15.9.5 Sooncable Recent Developments
- 15.10 Gatwick
 - 15.10.1 Gatwick Basic Information
 - 15.10.2 Gatwick Friction Stir Welding Tools Product Overview
 - 15.10.3 Gatwick Friction Stir Welding Tools Product Market Performance
 - 15.10.4 Gatwick Business Overview
 - 15.10.5 Gatwick Recent Developments
- 15.11 Stirtec Gmbh
 - 15.11.1 Stirtec Gmbh Basic Information
 - 15.11.2 Stirtec Gmbh Friction Stir Welding Tools Product Overview
 - 15.11.3 Stirtec Gmbh Friction Stir Welding Tools Product Market Performance
 - 15.11.4 Stirtec Gmbh Business Overview
 - 15.11.5 Stirtec Gmbh Recent Developments
- 15.12 Hitachi
 - 15.12.1 Hitachi Basic Information
 - 15.12.2 Hitachi Friction Stir Welding Tools Product Overview
 - 15.12.3 Hitachi Friction Stir Welding Tools Product Market Performance
 - 15.12.4 Hitachi Business Overview
 - 15.12.5 Hitachi Recent Developments
- 15.13 PTG
 - 15.13.1 PTG Basic Information
 - 15.13.2 PTG Friction Stir Welding Tools Product Overview
 - 15.13.3 PTG Friction Stir Welding Tools Product Market Performance
 - 15.13.4 PTG Business Overview
 - 15.13.5 PTG Recent Developments
- 15.14 BTI
 - 15.14.1 BTI Basic Information
 - 15.14.2 BTI Friction Stir Welding Tools Product Overview
 - 15.14.3 BTI Friction Stir Welding Tools Product Market Performance
 - 15.14.4 BTI Business Overview
 - 15.14.5 BTI Recent Developments
- 15.15 Valmet
 - 15.15.1 Valmet Basic Information
 - 15.15.2 Valmet Friction Stir Welding Tools Product Overview
 - 15.15.3 Valmet Friction Stir Welding Tools Product Market Performance
 - 15.15.4 Valmet Business Overview

- 15.15.5 Valmet Recent Developments
- 15.16 Ekato
 - 15.16.1 Ekato Basic Information
 - 15.16.2 Ekato Friction Stir Welding Tools Product Overview
 - 15.16.3 Ekato Friction Stir Welding Tools Product Market Performance
 - 15.16.4 Ekato Business Overview
 - 15.16.5 Ekato Recent Developments
- 15.17 Xi'an Yonghua
 - 15.17.1 Xi'an Yonghua Basic Information
 - 15.17.2 Xi'an Yonghua Friction Stir Welding Tools Product Overview
 - 15.17.3 Xi'an Yonghua Friction Stir Welding Tools Product Market Performance
 - 15.17.4 Xi'an Yonghua Business Overview
 - 15.17.5 Xi'an Yonghua Recent Developments
- 15.18 Fluiten
 - 15.18.1 Fluiten Basic Information
 - 15.18.2 Fluiten Friction Stir Welding Tools Product Overview
 - 15.18.3 Fluiten Friction Stir Welding Tools Product Market Performance
 - 15.18.4 Fluiten Business Overview
 - 15.18.5 Fluiten Recent Developments
- 15.19 James Walker
 - 15.19.1 James Walker Basic Information
 - 15.19.2 James Walker Friction Stir Welding Tools Product Overview
 - 15.19.3 James Walker Friction Stir Welding Tools Product Market Performance
 - 15.19.4 James Walker Business Overview
 - 15.19.5 James Walker Recent Developments
- 15.20 Huayang Seals
 - 15.20.1 Huayang Seals Basic Information
 - 15.20.2 Huayang Seals Friction Stir Welding Tools Product Overview
 - 15.20.3 Huayang Seals Friction Stir Welding Tools Product Market Performance
 - 15.20.4 Huayang Seals Business Overview
 - 15.20.5 Huayang Seals Recent Developments
- 15.21 Huhnseal
 - 15.21.1 Huhnseal Basic Information
 - 15.21.2 Huhnseal Friction Stir Welding Tools Product Overview
 - 15.21.3 Huhnseal Friction Stir Welding Tools Product Market Performance
 - 15.21.4 Huhnseal Business Overview
 - 15.21.5 Huhnseal Recent Developments
- 16 Conclusion and Key FindingsList of Tables
 - Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global Friction Stir Welding Tools Market Size by Type (M USD)

Table 4. Global Friction Stir Welding Tools Market Size by Application (M USD)

Table 5. Friction Stir Welding Tools Market Size Comparison by Region (M USD)

Table 6. Global Friction Stir Welding Tools Sales (K Units) by Manufacturers
(2020-2025)

Table 7. Global Friction Stir Welding Tools Sales Market Share by Manufacturers
(2020-2025)

Table 8. Global Friction Stir Welding Tools Revenue (M USD) by Manufacturers
(2020-2025)

Table 9. Global Friction Stir Welding Tools Revenue Share by Manufacturers
(2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in
Friction Stir Welding Tools as of 2024)

Table 11. Global Market Friction Stir Welding Tools Average Price (USD/Unit) of Key
Manufacturers (2020-2025)

Table 12. Manufacturers Friction Stir Welding Tools Manufacturing Sites and Area
Served

Table 13. Manufacturers Friction Stir Welding Tools Product Type

Table 14. Global Friction Stir Welding Tools Manufacturers Market Concentration Ratio
(CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

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 Tools Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 25. Friction Stir Welding Tools Market Size Comparison by Region (M USD)

Table 26. Global Friction Stir Welding Tools Market Size by Region (2020-2033) & (M
USD)

Table 27. Global Friction Stir Welding Tools Market Size Market Share by Region
(2020-2033)

Table 28. Global Friction Stir Welding Tools Sales by Region (2020-2033) & (K Units)

Table 29. Global Friction Stir Welding Tools Sales Market Share by Region (2020-2033)

Table 30. North America Friction Stir Welding Tools Market Size by Country

(2020-2033) & (M USD)

Table 31. North America Friction Stir Welding Tools Sales by Country (2020-2033) & (K Units)

Table 32. North America Friction Stir Welding Tools Sales by Type (K Units)

Table 33. North America Friction Stir Welding Tools Market Size by Type (M USD)

Table 34. North America Friction Stir Welding Tools Sales (K Units) by Type (2020-2033)

Table 35. North America Friction Stir Welding Tools Market Size (M USD) by Type (2020-2033)

Table 36. North America Friction Stir Welding Tools Sales by Application (K Units)

Table 37. North America Friction Stir Welding Tools Market Size by Application (M USD)

Table 38. North America Friction Stir Welding Tools Sales (K Units) by Application (2020-2033)

Table 39. North America Friction Stir Welding Tools Market Size (M USD) by Application (2020-2033)

Table 40. Europe Friction Stir Welding Tools Market Size by Country (2020-2033) & (M USD)

Table 41. Europe Friction Stir Welding Tools Sales by Country (2020-2033) & (K Units)

Table 42. Europe Friction Stir Welding Tools Sales by Type (K Units)

Table 43. Europe Friction Stir Welding Tools Market Size by Type (M USD)

Table 44. Europe Friction Stir Welding Tools Sales (K Units) by Type (2020-2033)

Table 45. Europe Friction Stir Welding Tools Market Size (M USD) by Type (2020-2033)

Table 46. Europe Friction Stir Welding Tools Sales by Application (K Units)

Table 47. Europe Friction Stir Welding Tools Market Size by Application (M USD)

Table 48. Europe Friction Stir Welding Tools Sales (K Units) by Application (2020-2033)

Table 49. Europe Friction Stir Welding Tools Market Size (M USD) by Application (2020-2033)

Table 50. Asia-Pacific Friction Stir Welding Tools Market Size by Country (2020-2025) & (M USD)

Table 51. Asia-Pacific Friction Stir Welding Tools Sales by Country (2020-2025) & (K Units)

Table 52. Asia-Pacific Friction Stir Welding Tools Sales by Type (K Units)

Table 53. Asia-Pacific Friction Stir Welding Tools Market Size by Type (M USD)

Table 54. Asia-Pacific Friction Stir Welding Tools Sales (K Units) by Type (2020-2033)

Table 55. Asia-Pacific Friction Stir Welding Tools Market Size (M USD) by Type (2020-2025)

Table 56. Asia-Pacific Friction Stir Welding Tools Sales by Application (K Units)

Table 57. Asia-Pacific Friction Stir Welding Tools Market Size by Application (M USD)

Table 58. Asia-Pacific Friction Stir Welding Tools Sales (K Units) by Application (2020-2033)

Table 59. Asia-Pacific Friction Stir Welding Tools Market Size (M USD) by Application (2020-2025)

Table 60. South America Friction Stir Welding Tools Market Size by Country (2020-2033) & (M USD)

Table 61. South America Friction Stir Welding Tools Sales by Country (2020-2033) & (K Units)

Table 62. South America Friction Stir Welding Tools Sales by Type (K Units)

Table 63. South America Friction Stir Welding Tools Market Size by Type (M USD)

Table 64. South America Friction Stir Welding Tools Sales (K Units) by Type (2020-2033)

Table 65. South America Friction Stir Welding Tools Market Size (M USD) by Type (2020-2033)

Table 66. South America Friction Stir Welding Tools Sales by Application (K Units)

Table 67. South America Friction Stir Welding Tools Market Size by Application (M USD)

Table 68. South America Friction Stir Welding Tools Sales (K Units) by Application (2020-2033)

Table 69. South America Friction Stir Welding Tools Market Size (M USD) by Application (2020-2033)

Table 70. Middle East and Africa Friction Stir Welding Tools Market Size by Country (2020-2033) & (M USD)

Table 71. Middle East and Africa Friction Stir Welding Tools Sales by Country (2020-2033) & (K Units)

Table 72. Middle East and Africa Friction Stir Welding Tools Sales by Type (K Units)

Table 73. Middle East and Africa Friction Stir Welding Tools Market Size by Type (M USD)

Table 74. Middle East and Africa Friction Stir Welding Tools Sales (K Units) by Type (2020-2033)

Table 75. Middle East and Africa Friction Stir Welding Tools Market Size (M USD) by Type (2020-2033)

Table 76. Middle East and Africa Friction Stir Welding Tools Sales by Application (K Units)

Table 77. Middle East and Africa Friction Stir Welding Tools Market Size by Application (M USD)

Table 78. Middle East and Africa Friction Stir Welding Tools Sales (K Units) by Application (2020-2033)

Table 79. Middle East and Africa Friction Stir Welding Tools Market Size (M USD) by

Application (2020-2033)

Table 80. Global Friction Stir Welding Tools Production (K Units) by Region(2020-2025)

Table 81. Global Friction Stir Welding Tools Revenue (US\$ Million) by Region (2020-2025)

Table 82. Global Friction Stir Welding Tools Revenue Market Share by Region (2020-2025)

Table 83. Global Friction Stir Welding Tools Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 84. North America Friction Stir Welding Tools Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 85. Europe Friction Stir Welding Tools Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 86. Japan Friction Stir Welding Tools Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 87. China Friction Stir Welding Tools Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 88. Global Friction Stir Welding Tools Sales by Type (K Units)

Table 89. Global Friction Stir Welding Tools Market Size by Type (M USD)

Table 90. Global Friction Stir Welding Tools Sales (K Units) by Type (2020-2033)

Table 91. Global Friction Stir Welding Tools Sales Market Share by Type (2020-2033)

Table 92. Global Friction Stir Welding Tools Market Size (M USD) by Type (2020-2033)

Table 93. Global Friction Stir Welding Tools Market Size Share by Type (2020-2033)

Table 94. Global Friction Stir Welding Tools Sales (K Units) by Application

Table 95. Global Friction Stir Welding Tools Market Size by Application(M USD)

Table 96. Global Friction Stir Welding Tools Sales by Application (2020-2033) & (K Units)

Table 97. Global Friction Stir Welding Tools Sales Market Share by Application (2020-2033)

Table 98. Global Friction Stir Welding Tools Market Size by Application (2020-2033) & (M USD)

Table 99. Global Friction Stir Welding Tools Market Share by Application (2020-2033)

Table 100. Global Friction Stir Welding Tools Sales Growth Rate by Application (2020-2033)

Table 101. ESAB Basic Information

Table 102. ESAB Friction Stir Welding Tools Product Overview

Table 103. ESAB Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 104. ESAB Business Overview

Table 105. ESAB SWOT Analysis

Table 106. ESAB Recent Developments

Table 107. Grenzebach Maschinenbau GmbH Basic Information

Table 108. Grenzebach Maschinenbau GmbH Friction Stir Welding Tools Product Overview

Table 109. Grenzebach Maschinenbau GmbH Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 110. Grenzebach Maschinenbau GmbH Business Overview

Table 111. Grenzebach Maschinenbau GmbH SWOT Analysis

Table 112. Grenzebach Maschinenbau GmbH Recent Developments

Table 113. Nova-Tech Engineering Basic Information

Table 114. Nova-Tech Engineering Friction Stir Welding Tools Product Overview

Table 115. Nova-Tech Engineering Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 116. Nova-Tech Engineering Business Overview

Table 117. Nova-Tech Engineering SWOT Analysis

Table 118. Nova-Tech Engineering Recent Developments

Table 119. Beijing FSW Basic Information

Table 120. Beijing FSW Friction Stir Welding Tools Product Overview

Table 121. Beijing FSW Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 122. Beijing FSW Business Overview

Table 123. Beijing FSW Recent Developments

Table 124. FOOKE GmbH Basic Information

Table 125. FOOKE GmbH Friction Stir Welding Tools Product Overview

Table 126. FOOKE GmbH Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 127. FOOKE GmbH Business Overview

Table 128. FOOKE GmbH Recent Developments

Table 129. PaR Systems Basic Information

Table 130. PaR Systems Friction Stir Welding Tools Product Overview

Table 131. PaR Systems Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 132. PaR Systems Business Overview

Table 133. PaR Systems Recent Developments

Table 134. Nitto Seiki Basic Information

Table 135. Nitto Seiki Friction Stir Welding Tools Product Overview

Table 136. Nitto Seiki Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 137. Nitto Seiki Business Overview

Table 138. Nitto Seiki Recent Developments
Table 139. General Tool Company Basic Information
Table 140. General Tool Company Friction Stir Welding Tools Product Overview
Table 141. General Tool Company Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 142. General Tool Company Business Overview
Table 143. General Tool Company Recent Developments
Table 144. Sooncable Basic Information
Table 145. Sooncable Friction Stir Welding Tools Product Overview
Table 146. Sooncable Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 147. Sooncable Business Overview
Table 148. Sooncable Recent Developments
Table 149. Gatwick Basic Information
Table 150. Gatwick Friction Stir Welding Tools Product Overview
Table 151. Gatwick Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 152. Gatwick Business Overview
Table 153. Gatwick Recent Developments
Table 154. Stirtec Gmbh Basic Information
Table 155. Stirtec Gmbh Friction Stir Welding Tools Product Overview
Table 156. Stirtec Gmbh Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 157. Stirtec Gmbh Business Overview
Table 158. Stirtec Gmbh Recent Developments
Table 159. Hitachi Basic Information
Table 160. Hitachi Friction Stir Welding Tools Product Overview
Table 161. Hitachi Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 162. Hitachi Business Overview
Table 163. Hitachi Recent Developments
Table 164. PTG Basic Information
Table 165. PTG Friction Stir Welding Tools Product Overview
Table 166. PTG Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 167. PTG Business Overview
Table 168. PTG Recent Developments
Table 169. BTI Basic Information
Table 170. BTI Friction Stir Welding Tools Product Overview

Table 171. BTI Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 172. BTI Business Overview

Table 173. BTI Recent Developments

Table 174. Valmet Basic Information

Table 175. Valmet Friction Stir Welding Tools Product Overview

Table 176. Valmet Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 177. Valmet Business Overview

Table 178. Valmet Recent Developments

Table 179. Ekato Basic Information

Table 180. Ekato Friction Stir Welding Tools Product Overview

Table 181. Ekato Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 182. Ekato Business Overview

Table 183. Ekato Recent Developments

Table 184. Xi'an Yonghua Basic Information

Table 185. Xi'an Yonghua Friction Stir Welding Tools Product Overview

Table 186. Xi'an Yonghua Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 187. Xi'an Yonghua Business Overview

Table 188. Xi'an Yonghua Recent Developments

Table 189. Fluiten Basic Information

Table 190. Fluiten Friction Stir Welding Tools Product Overview

Table 191. Fluiten Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 192. Fluiten Business Overview

Table 193. Fluiten Recent Developments

Table 194. James Walker Basic Information

Table 195. James Walker Friction Stir Welding Tools Product Overview

Table 196. James Walker Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 197. James Walker Business Overview

Table 198. James Walker Recent Developments

Table 199. Huayang Seals Basic Information

Table 200. Huayang Seals Friction Stir Welding Tools Product Overview

Table 201. Huayang Seals Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 202. Huayang Seals Business Overview

Table 203. Huayang Seals Recent Developments

Table 204. Huhnseal Basic Information

Table 205. Huhnseal Friction Stir Welding Tools Product Overview

Table 206. Huhnseal Friction Stir Welding Tools Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 207. Huhnseal Business Overview

Table 208. Huhnseal Recent Developments

List of Figures

Figure 1. Product Picture of Friction Stir Welding Tools

Figure 2. Data Triangulation

Figure 3. Key Caveats

Figure 4. Global Friction Stir Welding Tools Market Size (M USD), 2024-2033

Figure 5. Global Friction Stir Welding Tools Market Size (M USD) (2020-2033)

Figure 6. Global Friction Stir Welding Tools Sales (K Units) & (2020-2033)

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 Tools Market Size by Country (M USD)

Figure 11. Company Assessment Quadrant

Figure 12. Global Friction Stir Welding Tools Product Life Cycle

Figure 13. Friction Stir Welding Tools Sales Share by Manufacturers in 2024

Figure 14. Global Friction Stir Welding Tools Revenue Share by Manufacturers in 2024

Figure 15. Friction Stir Welding Tools Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024

Figure 16. Global Market Friction Stir Welding Tools Average Price (USD/Unit) of Key Manufacturers in 2024

Figure 17. The Global 5 and 10 Largest Players: Market Share by Friction Stir Welding Tools Revenue in 2024

Figure 18. Industry Chain Map of Friction Stir Welding Tools

Figure 19. Global Friction Stir Welding Tools Market PEST Analysis

Figure 20. Global Friction Stir Welding Tools Market Porter's Five Forces Analysis

Figure 21. Global Merchandise Trade as a Percentage Of GDP

Figure 22. US - Imports of Goods by Country

Figure 23. China Exports by Country

Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers

Figure 25. Evaluation Matrix of Regional Market Development Potential

Figure 26. Global Friction Stir Welding Tools Market Size by Region

Figure 27. Global Friction Stir Welding Tools Market Size Market Share by Region (2020-2033)

Figure 28. Global Friction Stir Welding Tools Sales Market Share by Region (2020-2033)

Figure 29. North American Market Snapshot

Figure 30. North America Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 31. North America Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 32. North America Friction Stir Welding Tools Market Size (M USD) by Country

Figure 33. USA Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 34. USA Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 35. Canada Friction Stir Welding Tools Sales (K Units) and Growth Rate (2020-2033)

Figure 36. Canada Friction Stir Welding Tools Market Size (M USD) and Growth Rate (2020-2033)

Figure 37. Mexico Friction Stir Welding Tools Sales (Units) and Growth Rate (2020-2033)

Figure 38. Mexico Friction Stir Welding Tools Market Size (M USD) and Growth Rate (2020-2033)

Figure 39. North America Friction Stir Welding Tools Market Size (M USD) by Type

Figure 40. North America Friction Stir Welding Tools Market Size (M USD) by Application

Figure 41. Europe Market Snapshot

Figure 42. Europe Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 43. Europe Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 44. Europe Friction Stir Welding Tools Market Size (M USD) by Country

Figure 45. Germany Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 46. Germany Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 47. France Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 48. France Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 49. U.K. Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 50. U.K. Friction Stir Welding Tools Market Size and Growth Rate (2020-2025) & (M USD)

Figure 51. Italy Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 52. Italy Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 53. Spain Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 54. Spain Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 55. Europe Friction Stir Welding Tools Market Size (M USD) by Type

Figure 56. Europe Friction Stir Welding Tools Market Size (M USD) by Application

Figure 57. Asia-Pacific Market Snapshot

Figure 58. Asia-Pacific Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 59. Asia-Pacific Friction Stir Welding Tools Market Size and Growth Rate (2020-2025) & (M USD)

Figure 60. Asia-Pacific Friction Stir Welding Tools Market Size (M USD) by Country

Figure 61. China Friction Stir Welding Tools Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. China Friction Stir Welding Tools Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Japan Friction Stir Welding Tools Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Japan Friction Stir Welding Tools Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. South Korea Friction Stir Welding Tools Sales and Growth Rate (2020-2025) & (K Units)

Figure 66. South Korea Friction Stir Welding Tools Market Size and Growth Rate (2020-2025) & (M USD)

Figure 67. India Friction Stir Welding Tools Sales and Growth Rate (2020-2025) & (K Units)

Figure 68. India Friction Stir Welding Tools Market Size and Growth Rate (2020-2025) & (M USD)

Figure 69. Southeast Asia Friction Stir Welding Tools Sales and Growth Rate (2020-2025) & (K Units)

Figure 70. Southeast Asia Friction Stir Welding Tools Market Size and Growth Rate (2020-2025) & (M USD)

Figure 71. Asia-Pacific Friction Stir Welding Tools Market Size (M USD) by Type

Figure 72. Asia-Pacific Friction Stir Welding Tools Market Size (M USD) by Application

Figure 73. South America Market Snapshot

Figure 74. South America Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 75. South America Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 76. South America Friction Stir Welding Tools Market Size (M USD) by Country

Figure 77. Brazil Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 78. Brazil Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 79. Argentina Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 80. Argentina Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 81. Columbia Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 82. Columbia Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 83. South America Friction Stir Welding Tools Market Size (M USD) by Type

Figure 84. South America Friction Stir Welding Tools Market Size (M USD) by Application

Figure 85. Middle East and Africa Market Snapshot

Figure 86. Middle East and Africa Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 87. Middle East and Africa Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 88. Middle East and Africa Friction Stir Welding Tools Market Size (M USD) by Country

Figure 89. Saudi Arabia Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 90. Saudi Arabia Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 91. UAE Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 92. UAE Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 93. Egypt Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 94. Egypt Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 95. Nigeria Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 96. Nigeria Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 97. South Africa Friction Stir Welding Tools Sales and Growth Rate (2020-2033) & (K Units)

Figure 98. South Africa Friction Stir Welding Tools Market Size and Growth Rate (2020-2033) & (M USD)

Figure 99. Middle East and Africa Friction Stir Welding Tools Market Size (M USD) by Type

Figure 100. Middle East and Africa Friction Stir Welding Tools Market Size (M USD) by Application

Figure 101. Global Friction Stir Welding Tools Production Market Share by Region (2020-2025)

Figure 102. North America Friction Stir Welding Tools Production (K Units) Growth Rate (2020-2025)

Figure 103. Europe Friction Stir Welding Tools Production (K Units) Growth Rate (2020-2025)

Figure 104. Japan Friction Stir Welding Tools Production (K Units) Growth Rate (2020-2025)

Figure 105. China Friction Stir Welding Tools Production (K Units) Growth Rate (2020-2025)

Figure 106. Evaluation Matrix of Segment Market Development Potential (Type)

Figure 107. Global Friction Stir Welding Tools Market Size by Type (M USD)

Figure 108. Sales Market Share of Friction Stir Welding Tools by Type (2020-2033)

Figure 109. Sales Market Share of Friction Stir Welding Tools by Type in 2024

Figure 110. Market Size Share of Friction Stir Welding Tools by Type (2020-2033)

Figure 111. Market Size Share of Friction Stir Welding Tools by Type in 2024

Figure 112. Global Friction Stir Welding Tools Price (USD/Unit) by Type (2020-2033)

Figure 113. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 114. Global Friction Stir Welding Tools Market Size by Application(M USD)

Figure 115. Global Friction Stir Welding Tools Market Share by Application

Figure 116. Global Friction Stir Welding Tools Sales Market Share by Application (2020-2033)

Figure 117. Global Friction Stir Welding Tools Sales Market Share by Application in 2024

Figure 118. Global Friction Stir Welding Tools Market Share by Application (2020-2033)

Figure 119. Global Friction Stir Welding Tools Market Share by Application in 2024

Figure 120. Global Friction Stir Welding Tools Sales Growth Rate by Application
(2020-2033)

I would like to order

Product name: Global Friction Stir Welding Tools Market Research Report 2025(Status and Outlook)

Product link: <https://marketpublishers.com/r/GD8D1B74067EEN.html>

Price: US\$ 3,680.00 (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/GD8D1B74067EEN.html>