

Global Friction Stir Welding Equipment Market Size, Manufacturers, Growth Analysis Industry Forecast to 2030

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Abstracts

Summary

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.

According to APO Research, The global Friction Stir Welding Equipment market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

North American market for Friction Stir Welding Equipment is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Friction Stir Welding Equipment is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The China market for Friction Stir Welding Equipment is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of

2025 through 2030.

Europe market for Friction Stir Welding Equipment is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Friction Stir Welding Equipment include Grenzebach Maschinenbau GmbH, Nova-Tech Engineering, Beijing FSW, FOOKE GmbH, PaR Systems, General Tool Company, Sooncable, Aerospace Engineering Equipment and HAGE Sondermaschinenbau GmbH, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

This report presents an overview of global market for Friction Stir Welding Equipment, sales, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Friction Stir Welding Equipment, also provides the sales of main regions and countries. Of the upcoming market potential for Friction Stir Welding Equipment, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Friction Stir Welding Equipment sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Friction Stir Welding Equipment market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by Type and by Application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Friction Stir Welding Equipment sales, projected growth trends, production technology, application and end-user industry.

Friction Stir Welding Equipment segment by Company

Grenzebach Maschinenbau GmbH

Nova-Tech Engineering

Beijing FSW

FOOKE GmbH

PaR Systems

General Tool Company

Sooncable

Aerospace Engineering Equipment

HAGE Sondermaschinenbau GmbH

Stirtec GmbH

Hitachi

PTG

BTI

Mazak

Jinfeng

Gatwick

Friction Stir Welding Equipment segment by Type

Desktop Equipment

Gantry Equipment

Others

Friction Stir Welding Equipment segment by Application

Aerospace

Automotive

Shipbuilding

Railways

Others

Friction Stir Welding Equipment segment by Region

North America

U.S.

Canada

Europe

Germany

France

U.K.

Italy

Russia

Asia-Pacific

China

Japan

South Korea

India

Australia

China Taiwan

Indonesia

Thailand

Malaysia

Latin America

Mexico

Brazil

Argentina

Middle East & Africa

Turkey

Saudi Arabia

UAE

Study Objectives

1. To analyze and research the global Friction Stir Welding Equipment status and future forecast, involving, sales, revenue, growth rate (CAGR), market share, historical and forecast.

2. To present the key manufacturers, sales, revenue, market share, and Recent Developments.
3. To split the breakdown data by regions, type, manufacturers, and Application.
4. To analyze the global and key regions Friction Stir Welding Equipment market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify Friction Stir Welding Equipment significant trends, drivers, influence factors in global and regions.
6. To analyze Friction Stir Welding Equipment competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

Reasons to Buy This Report

1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Friction Stir Welding Equipment market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
2. This report will help stakeholders to understand the global industry status and trends of Friction Stir Welding Equipment and provides them with information on key market drivers, restraints, challenges, and opportunities.
3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in sales and value), competitor ecosystem, new product development, expansion, and acquisition.
4. This report stays updated with novel technology integration, features, and the latest developments in the market.
5. This report helps stakeholders to gain insights into which regions to target globally.

6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Friction Stir Welding Equipment.

7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the Friction Stir Welding Equipment market, including product definition, global market growth prospects, sales value, sales volume, and average price forecasts (2019-2030).

Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Friction Stir Welding Equipment industry.

Chapter 3: Detailed analysis of Friction Stir Welding Equipment manufacturers competitive landscape, price, sales and revenue market share, latest development plan, merger, and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by 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 6: Sales and value of Friction Stir Welding Equipment in regional level. It provides a quantitative analysis of the market size and development potential of each region and introduces the market development, future development prospects, market space, and market size of each country in the world.

Chapter 7: Sales and value of Friction Stir Welding Equipment in country level. It provides sigma data by type, and by application for each country/region.

Chapter 8: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product sales, revenue, price, gross margin, product introduction, recent development, etc.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights.

Contents

1 MARKET OVERVIEW

- 1.1 Product Definition
- 1.2 Global Market Growth Prospects
 - 1.2.1 Global Friction Stir Welding Equipment Sales Value (2019-2030)
 - 1.2.2 Global Friction Stir Welding Equipment Sales Volume (2019-2030)
 - 1.2.3 Global Friction Stir Welding Equipment Sales Average Price (2019-2030)
- 1.3 Assumptions and Limitations
- 1.4 Study Goals and Objectives

2 FRICTION STIR WELDING EQUIPMENT MARKET DYNAMICS

- 2.1 Friction Stir Welding Equipment Industry Trends
- 2.2 Friction Stir Welding Equipment Industry Drivers
- 2.3 Friction Stir Welding Equipment Industry Opportunities and Challenges
- 2.4 Friction Stir Welding Equipment Industry Restraints

3 FRICTION STIR WELDING EQUIPMENT MARKET BY COMPANY

- 3.1 Global Friction Stir Welding Equipment Company Revenue Ranking in 2023
- 3.2 Global Friction Stir Welding Equipment Revenue by Company (2019-2024)
- 3.3 Global Friction Stir Welding Equipment Sales Volume by Company (2019-2024)
- 3.4 Global Friction Stir Welding Equipment Average Price by Company (2019-2024)
- 3.5 Global Friction Stir Welding Equipment Company Ranking, 2022 VS 2023 VS 2024
- 3.6 Global Friction Stir Welding Equipment Company Manufacturing Base & Headquarters
- 3.7 Global Friction Stir Welding Equipment Company, Product Type & Application
- 3.8 Global Friction Stir Welding Equipment Company Commercialization Time
- 3.9 Market Competitive Analysis
 - 3.9.1 Global Friction Stir Welding Equipment Market CR5 and HHI
 - 3.9.2 Global Top 5 and 10 Company Market Share by Revenue in 2023
 - 3.9.3 2023 Friction Stir Welding Equipment Tier 1, Tier 2, and Tier
- 3.10 Mergers & Acquisitions, Expansion

4 FRICTION STIR WELDING EQUIPMENT MARKET BY TYPE

- 4.1 Friction Stir Welding Equipment Type Introduction

- 4.1.1 Desktop Equipment
- 4.1.2 Gantry Equipment
- 4.1.3 Others
- 4.2 Global Friction Stir Welding Equipment Sales Volume by Type
 - 4.2.1 Global Friction Stir Welding Equipment Sales Volume by Type (2019 VS 2023 VS 2030)
 - 4.2.2 Global Friction Stir Welding Equipment Sales Volume by Type (2019-2030)
 - 4.2.3 Global Friction Stir Welding Equipment Sales Volume Share by Type (2019-2030)
- 4.3 Global Friction Stir Welding Equipment Sales Value by Type
 - 4.3.1 Global Friction Stir Welding Equipment Sales Value by Type (2019 VS 2023 VS 2030)
 - 4.3.2 Global Friction Stir Welding Equipment Sales Value by Type (2019-2030)
 - 4.3.3 Global Friction Stir Welding Equipment Sales Value Share by Type (2019-2030)

5 FRICTION STIR WELDING EQUIPMENT MARKET BY APPLICATION

- 5.1 Friction Stir Welding Equipment Application Introduction
 - 5.1.1 Aerospace
 - 5.1.2 Automotive
 - 5.1.3 Shipbuilding
 - 5.1.4 Railways
 - 5.1.5 Others
- 5.2 Global Friction Stir Welding Equipment Sales Volume by Application
 - 5.2.1 Global Friction Stir Welding Equipment Sales Volume by Application (2019 VS 2023 VS 2030)
 - 5.2.2 Global Friction Stir Welding Equipment Sales Volume by Application (2019-2030)
 - 5.2.3 Global Friction Stir Welding Equipment Sales Volume Share by Application (2019-2030)
- 5.3 Global Friction Stir Welding Equipment Sales Value by Application
 - 5.3.1 Global Friction Stir Welding Equipment Sales Value by Application (2019 VS 2023 VS 2030)
 - 5.3.2 Global Friction Stir Welding Equipment Sales Value by Application (2019-2030)
 - 5.3.3 Global Friction Stir Welding Equipment Sales Value Share by Application (2019-2030)

6 FRICTION STIR WELDING EQUIPMENT MARKET BY REGION

- 6.1 Global Friction Stir Welding Equipment Sales by Region: 2019 VS 2023 VS 2030

6.2 Global Friction Stir Welding Equipment Sales by Region (2019-2030)

6.2.1 Global Friction Stir Welding Equipment Sales by Region: 2019-2024

6.2.2 Global Friction Stir Welding Equipment Sales by Region (2025-2030)

6.3 Global Friction Stir Welding Equipment Sales Value by Region: 2019 VS 2023 VS 2030

6.4 Global Friction Stir Welding Equipment Sales Value by Region (2019-2030)

6.4.1 Global Friction Stir Welding Equipment Sales Value by Region: 2019-2024

6.4.2 Global Friction Stir Welding Equipment Sales Value by Region (2025-2030)

6.5 Global Friction Stir Welding Equipment Market Price Analysis by Region (2019-2024)

6.6 North America

6.6.1 North America Friction Stir Welding Equipment Sales Value (2019-2030)

6.6.2 North America Friction Stir Welding Equipment Sales Value Share by Country, 2023 VS 2030

6.7 Europe

6.7.1 Europe Friction Stir Welding Equipment Sales Value (2019-2030)

6.7.2 Europe Friction Stir Welding Equipment Sales Value Share by Country, 2023 VS 2030

6.8 Asia-Pacific

6.8.1 Asia-Pacific Friction Stir Welding Equipment Sales Value (2019-2030)

6.8.2 Asia-Pacific Friction Stir Welding Equipment Sales Value Share by Country, 2023 VS 2030

6.9 Latin America

6.9.1 Latin America Friction Stir Welding Equipment Sales Value (2019-2030)

6.9.2 Latin America Friction Stir Welding Equipment Sales Value Share by Country, 2023 VS 2030

6.10 Middle East & Africa

6.10.1 Middle East & Africa Friction Stir Welding Equipment Sales Value (2019-2030)

6.10.2 Middle East & Africa Friction Stir Welding Equipment Sales Value Share by Country, 2023 VS 2030

7 FRICTION STIR WELDING EQUIPMENT MARKET BY COUNTRY

7.1 Global Friction Stir Welding Equipment Sales by Country: 2019 VS 2023 VS 2030

7.2 Global Friction Stir Welding Equipment Sales Value by Country: 2019 VS 2023 VS 2030

7.3 Global Friction Stir Welding Equipment Sales by Country (2019-2030)

7.3.1 Global Friction Stir Welding Equipment Sales by Country (2019-2024)

7.3.2 Global Friction Stir Welding Equipment Sales by Country (2025-2030)

7.4 Global Friction Stir Welding Equipment Sales Value by Country (2019-2030)

7.4.1 Global Friction Stir Welding Equipment Sales Value by Country (2019-2024)

7.4.2 Global Friction Stir Welding Equipment Sales Value by Country (2025-2030)

7.5 USA

7.5.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.5.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.5.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.6 Canada

7.6.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.6.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.6.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.7 Germany

7.7.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.7.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.7.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.8 France

7.8.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.8.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.8.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.9 U.K.

7.9.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.9.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.9.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.10 Italy

7.10.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.10.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.10.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.11 Netherlands

7.11.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.11.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.11.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.12 Nordic Countries

7.12.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.12.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.12.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.13 China

7.13.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.13.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.13.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.14 Japan

7.14.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.14.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.14.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.15 South Korea

7.15.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.15.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.15.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.16 Southeast Asia

7.16.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.16.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.16.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.17 India

7.17.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.17.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS

2030

7.17.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.18 Australia

7.18.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.18.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.18.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.19 Mexico

7.19.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.19.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.19.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.20 Brazil

7.20.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.20.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.20.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.21 Turkey

7.21.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.21.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.21.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.22 Saudi Arabia

7.22.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.22.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.22.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

7.23 UAE

7.23.1 Global Friction Stir Welding Equipment Sales Value Growth Rate (2019-2030)

7.23.2 Global Friction Stir Welding Equipment Sales Value Share by Type, 2023 VS 2030

7.23.3 Global Friction Stir Welding Equipment Sales Value Share by Application, 2023 VS 2030

8 COMPANY PROFILES

8.1 Grenzebach Maschinenbau GmbH

8.1.1 Grenzebach Maschinenbau GmbH Company Information

8.1.2 Grenzebach Maschinenbau GmbH Business Overview

8.1.3 Grenzebach Maschinenbau GmbH Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.1.4 Grenzebach Maschinenbau GmbH Friction Stir Welding Equipment Product Portfolio

8.1.5 Grenzebach Maschinenbau GmbH Recent Developments

8.2 Nova-Tech Engineering

8.2.1 Nova-Tech Engineering Company Information

8.2.2 Nova-Tech Engineering Business Overview

8.2.3 Nova-Tech Engineering Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.2.4 Nova-Tech Engineering Friction Stir Welding Equipment Product Portfolio

8.2.5 Nova-Tech Engineering Recent Developments

8.3 Beijing FSW

8.3.1 Beijing FSW Company Information

8.3.2 Beijing FSW Business Overview

8.3.3 Beijing FSW Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.3.4 Beijing FSW Friction Stir Welding Equipment Product Portfolio

8.3.5 Beijing FSW Recent Developments

8.4 FOOKE GmbH

8.4.1 FOOKE GmbH Company Information

8.4.2 FOOKE GmbH Business Overview

8.4.3 FOOKE GmbH Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.4.4 FOOKE GmbH Friction Stir Welding Equipment Product Portfolio

8.4.5 FOOKE GmbH Recent Developments

8.5 PaR Systems

8.5.1 PaR Systems Company Information

8.5.2 PaR Systems Business Overview

8.5.3 PaR Systems Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.5.4 PaR Systems Friction Stir Welding Equipment Product Portfolio

8.5.5 PaR Systems Recent Developments

8.6 General Tool Company

8.6.1 General Tool Company Company Information

8.6.2 General Tool Company Business Overview

8.6.3 General Tool Company Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.6.4 General Tool Company Friction Stir Welding Equipment Product Portfolio

8.6.5 General Tool Company Recent Developments

8.7 Sooncable

8.7.1 Sooncable Company Information

8.7.2 Sooncable Business Overview

8.7.3 Sooncable Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.7.4 Sooncable Friction Stir Welding Equipment Product Portfolio

8.7.5 Sooncable Recent Developments

8.8 Aerospace Engineering Equipment

8.8.1 Aerospace Engineering Equipment Company Information

8.8.2 Aerospace Engineering Equipment Business Overview

8.8.3 Aerospace Engineering Equipment Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.8.4 Aerospace Engineering Equipment Friction Stir Welding Equipment Product Portfolio

8.8.5 Aerospace Engineering Equipment Recent Developments

8.9 HAGE Sondermaschinenbau GmbH

8.9.1 HAGE Sondermaschinenbau GmbH Company Information

8.9.2 HAGE Sondermaschinenbau GmbH Business Overview

8.9.3 HAGE Sondermaschinenbau GmbH Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.9.4 HAGE Sondermaschinenbau GmbH Friction Stir Welding Equipment Product Portfolio

8.9.5 HAGE Sondermaschinenbau GmbH Recent Developments

8.10 Stirtec GmbH

8.10.1 Stirtec GmbH Company Information

8.10.2 Stirtec GmbH Business Overview

8.10.3 Stirtec GmbH Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)

8.10.4 Stirtec GmbH Friction Stir Welding Equipment Product Portfolio

8.10.5 Stirtec GmbH Recent Developments

8.11 Hitachi

8.11.1 Hitachi Company Information

- 8.11.2 Hitachi Business Overview
- 8.11.3 Hitachi Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)
- 8.11.4 Hitachi Friction Stir Welding Equipment Product Portfolio
- 8.11.5 Hitachi Recent Developments
- 8.12 PTG
 - 8.12.1 PTG Company Information
 - 8.12.2 PTG Business Overview
 - 8.12.3 PTG Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)
 - 8.12.4 PTG Friction Stir Welding Equipment Product Portfolio
 - 8.12.5 PTG Recent Developments
- 8.13 BTI
 - 8.13.1 BTI Company Information
 - 8.13.2 BTI Business Overview
 - 8.13.3 BTI Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)
 - 8.13.4 BTI Friction Stir Welding Equipment Product Portfolio
 - 8.13.5 BTI Recent Developments
- 8.14 Mazak
 - 8.14.1 Mazak Company Information
 - 8.14.2 Mazak Business Overview
 - 8.14.3 Mazak Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)
 - 8.14.4 Mazak Friction Stir Welding Equipment Product Portfolio
 - 8.14.5 Mazak Recent Developments
- 8.15 Jinfeng
 - 8.15.1 Jinfeng Company Information
 - 8.15.2 Jinfeng Business Overview
 - 8.15.3 Jinfeng Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)
 - 8.15.4 Jinfeng Friction Stir Welding Equipment Product Portfolio
 - 8.15.5 Jinfeng Recent Developments
- 8.16 Gatwick
 - 8.16.1 Gatwick Company Information
 - 8.16.2 Gatwick Business Overview
 - 8.16.3 Gatwick Friction Stir Welding Equipment Sales, Value and Gross Margin (2019-2024)
 - 8.16.4 Gatwick Friction Stir Welding Equipment Product Portfolio

8.16.5 Gatwick Recent Developments

9 VALUE CHAIN AND SALES CHANNELS ANALYSIS

9.1 Friction Stir Welding Equipment Value Chain Analysis

9.1.1 Friction Stir Welding Equipment Key Raw Materials

9.1.2 Raw Materials Key Suppliers

9.1.3 Manufacturing Cost Structure

9.1.4 Friction Stir Welding Equipment Sales Mode & Process

9.2 Friction Stir Welding Equipment Sales Channels Analysis

9.2.1 Direct Comparison with Distribution Share

9.2.2 Friction Stir Welding Equipment Distributors

9.2.3 Friction Stir Welding Equipment Customers

10 CONCLUDING INSIGHTS

11 APPENDIX

11.1 Reasons for Doing This Study

11.2 Research Methodology

11.3 Research Process

11.4 Authors List of This Report

11.5 Data Source

11.5.1 Secondary Sources

11.5.2 Primary Sources

List Of Tables

LIST OF TABLES

- Table 1. Friction Stir Welding Equipment Industry Trends
- Table 2. Friction Stir Welding Equipment Industry Drivers
- Table 3. Friction Stir Welding Equipment Industry Opportunities and Challenges
- Table 4. Friction Stir Welding Equipment Industry Restraints
- Table 5. Global Friction Stir Welding Equipment Revenue by Company (US\$ Million) & (2019-2024)
- Table 6. Global Friction Stir Welding Equipment Revenue Share by Company (2019-2024)
- Table 7. Global Friction Stir Welding Equipment Sales Volume by Company (K Units) & (2019-2024)
- Table 8. Global Friction Stir Welding Equipment Sales Volume Share by Company (2019-2024)
- Table 9. Global Friction Stir Welding Equipment Average Price (USD/Unit) of Company (2019-2024)
- Table 10. Global Friction Stir Welding Equipment Company Ranking, 2022 VS 2023 VS 2024 & (US\$ Million)
- Table 11. Global Friction Stir Welding Equipment Key Company Manufacturing Base & Headquarters
- Table 12. Global Friction Stir Welding Equipment Company, Product Type & Application
- Table 13. Global Friction Stir Welding Equipment Company Commercialization Time
- Table 14. Global Company Market Concentration Ratio (CR5 and HHI)
- Table 15. Global Friction Stir Welding Equipment by Company Type (Tier 1, Tier 2, and Tier 3) & (Based on Revenue of 2023)
- Table 16. Mergers & Acquisitions, Expansion
- Table 17. Major Companies of Desktop Equipment
- Table 18. Major Companies of Gantry Equipment
- Table 19. Major Companies of Others
- Table 20. Global Friction Stir Welding Equipment Sales Volume by Type 2019 VS 2023 VS 2030 (K Units)
- Table 21. Global Friction Stir Welding Equipment Sales Volume by Type (2019-2024) & (K Units)
- Table 22. Global Friction Stir Welding Equipment Sales Volume by Type (2025-2030) & (K Units)
- Table 23. Global Friction Stir Welding Equipment Sales Volume Share by Type (2019-2024)

Table 24. Global Friction Stir Welding Equipment Sales Volume Share by Type (2025-2030)

Table 25. Global Friction Stir Welding Equipment Sales Value by Type 2019 VS 2023 VS 2030 (US\$ Million)

Table 26. Global Friction Stir Welding Equipment Sales Value by Type (2019-2024) & (US\$ Million)

Table 27. Global Friction Stir Welding Equipment Sales Value by Type (2025-2030) & (US\$ Million)

Table 28. Global Friction Stir Welding Equipment Sales Value Share by Type (2019-2024)

Table 29. Global Friction Stir Welding Equipment Sales Value Share by Type (2025-2030)

Table 30. Major Companies of Aerospace

Table 31. Major Companies of Automotive

Table 32. Major Companies of Shipbuilding

Table 33. Major Companies of Railways

Table 34. Major Companies of Others

Table 35. Global Friction Stir Welding Equipment Sales Volume by Application 2019 VS 2023 VS 2030 (K Units)

Table 36. Global Friction Stir Welding Equipment Sales Volume by Application (2019-2024) & (K Units)

Table 37. Global Friction Stir Welding Equipment Sales Volume by Application (2025-2030) & (K Units)

Table 38. Global Friction Stir Welding Equipment Sales Volume Share by Application (2019-2024)

Table 39. Global Friction Stir Welding Equipment Sales Volume Share by Application (2025-2030)

Table 40. Global Friction Stir Welding Equipment Sales Value by Application 2019 VS 2023 VS 2030 (US\$ Million)

Table 41. Global Friction Stir Welding Equipment Sales Value by Application (2019-2024) & (US\$ Million)

Table 42. Global Friction Stir Welding Equipment Sales Value by Application (2025-2030) & (US\$ Million)

Table 43. Global Friction Stir Welding Equipment Sales Value Share by Application (2019-2024)

Table 44. Global Friction Stir Welding Equipment Sales Value Share by Application (2025-2030)

Table 45. Global Friction Stir Welding Equipment Sales by Region: 2019 VS 2023 VS 2030 (K Units)

Table 46. Global Friction Stir Welding Equipment Sales by Region (2019-2024) & (K Units)

Table 47. Global Friction Stir Welding Equipment Sales Market Share by Region (2019-2024)

Table 48. Global Friction Stir Welding Equipment Sales by Region (2025-2030) & (K Units)

Table 49. Global Friction Stir Welding Equipment Sales Market Share by Region (2025-2030)

Table 50. Global Friction Stir Welding Equipment Sales Value Comparison by Region: 2019 VS 2023 VS 2030 (US\$ Million)

Table 51. Global Friction Stir Welding Equipment Sales Value by Region (2019-2024) & (US\$ Million)

Table 52. Global Friction Stir Welding Equipment Sales Value Share by Region (2019-2024)

Table 53. Global Friction Stir Welding Equipment Sales Value by Region (2025-2030) & (US\$ Million)

Table 54. Global Friction Stir Welding Equipment Sales Value Share by Region (2025-2030)

Table 55. Global Friction Stir Welding Equipment Market Average Price (USD/Unit) by Region (2019-2024)

Table 56. Global Friction Stir Welding Equipment Market Average Price (USD/Unit) by Region (2025-2030)

Table 57. Global Friction Stir Welding Equipment Sales by Country: 2019 VS 2023 VS 2030 (K Units)

Table 58. Global Friction Stir Welding Equipment Sales Value by Country: 2019 VS 2023 VS 2030 (US\$ Million)

Table 59. Global Friction Stir Welding Equipment Sales by Country (2019-2024) & (K Units)

Table 60. Global Friction Stir Welding Equipment Sales Market Share by Country (2019-2024)

Table 61. Global Friction Stir Welding Equipment Sales by Country (2025-2030) & (K Units)

Table 62. Global Friction Stir Welding Equipment Sales Market Share by Country (2025-2030)

Table 63. Global Friction Stir Welding Equipment Sales Value by Country (2019-2024) & (US\$ Million)

Table 64. Global Friction Stir Welding Equipment Sales Value Market Share by Country (2019-2024)

Table 65. Global Friction Stir Welding Equipment Sales Value by Country (2025-2030)

& (US\$ Million)

Table 66. Global Friction Stir Welding Equipment Sales Value Market Share by Country (2025-2030)

Table 67. Grenzebach Maschinenbau GmbH Company Information

Table 68. Grenzebach Maschinenbau GmbH Business Overview

Table 69. Grenzebach Maschinenbau GmbH Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 70. Grenzebach Maschinenbau GmbH Friction Stir Welding Equipment Product Portfolio

Table 71. Grenzebach Maschinenbau GmbH Recent Development

Table 72. Nova-Tech Engineering Company Information

Table 73. Nova-Tech Engineering Business Overview

Table 74. Nova-Tech Engineering Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 75. Nova-Tech Engineering Friction Stir Welding Equipment Product Portfolio

Table 76. Nova-Tech Engineering Recent Development

Table 77. Beijing FSW Company Information

Table 78. Beijing FSW Business Overview

Table 79. Beijing FSW Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 80. Beijing FSW Friction Stir Welding Equipment Product Portfolio

Table 81. Beijing FSW Recent Development

Table 82. FOOKE GmbH Company Information

Table 83. FOOKE GmbH Business Overview

Table 84. FOOKE GmbH Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 85. FOOKE GmbH Friction Stir Welding Equipment Product Portfolio

Table 86. FOOKE GmbH Recent Development

Table 87. PaR Systems Company Information

Table 88. PaR Systems Business Overview

Table 89. PaR Systems Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 90. PaR Systems Friction Stir Welding Equipment Product Portfolio

Table 91. PaR Systems Recent Development

Table 92. General Tool Company Company Information

Table 93. General Tool Company Business Overview

Table 94. General Tool Company Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 95. General Tool Company Friction Stir Welding Equipment Product Portfolio

- Table 96. General Tool Company Recent Development
- Table 97. Sooncable Company Information
- Table 98. Sooncable Business Overview
- Table 99. Sooncable Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 100. Sooncable Friction Stir Welding Equipment Product Portfolio
- Table 101. Sooncable Recent Development
- Table 102. Aerospace Engineering Equipment Company Information
- Table 103. Aerospace Engineering Equipment Business Overview
- Table 104. Aerospace Engineering Equipment Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 105. Aerospace Engineering Equipment Friction Stir Welding Equipment Product Portfolio
- Table 106. Aerospace Engineering Equipment Recent Development
- Table 107. HAGE Sondermaschinenbau GmbH Company Information
- Table 108. HAGE Sondermaschinenbau GmbH Business Overview
- Table 109. HAGE Sondermaschinenbau GmbH Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 110. HAGE Sondermaschinenbau GmbH Friction Stir Welding Equipment Product Portfolio
- Table 111. HAGE Sondermaschinenbau GmbH Recent Development
- Table 112. Stirtec GmbH Company Information
- Table 113. Stirtec GmbH Business Overview
- Table 114. Stirtec GmbH Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 115. Stirtec GmbH Friction Stir Welding Equipment Product Portfolio
- Table 116. Stirtec GmbH Recent Development
- Table 117. Hitachi Company Information
- Table 118. Hitachi Business Overview
- Table 119. Hitachi Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 120. Hitachi Friction Stir Welding Equipment Product Portfolio
- Table 121. Hitachi Recent Development
- Table 122. PTG Company Information
- Table 123. PTG Business Overview
- Table 124. PTG Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)
- Table 125. PTG Friction Stir Welding Equipment Product Portfolio
- Table 126. PTG Recent Development

Table 127. BTI Company Information

Table 128. BTI Business Overview

Table 129. BTI Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 130. BTI Friction Stir Welding Equipment Product Portfolio

Table 131. BTI Recent Development

Table 132. Mazak Company Information

Table 133. Mazak Business Overview

Table 134. Mazak Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 135. Mazak Friction Stir Welding Equipment Product Portfolio

Table 136. Mazak Recent Development

Table 137. Jinfeng Company Information

Table 138. Jinfeng Business Overview

Table 139. Jinfeng Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 140. Jinfeng Friction Stir Welding Equipment Product Portfolio

Table 141. Jinfeng Recent Development

Table 142. Gatwick Company Information

Table 143. Gatwick Business Overview

Table 144. Gatwick Friction Stir Welding Equipment Sales (K Units), Value (US\$ Million), Price (USD/Unit) and Gross Margin (2019-2024)

Table 145. Gatwick Friction Stir Welding Equipment Product Portfolio

Table 146. Gatwick Recent Development

Table 147. Key Raw Materials

Table 148. Raw Materials Key Suppliers

Table 149. Friction Stir Welding Equipment Distributors List

Table 150. Friction Stir Welding Equipment Customers List

Table 151. Research Programs/Design for This Report

Table 152. Authors List of This Report

Table 153. Secondary Sources

Table 154. Primary Sources

List Of Figures

LIST OF FIGURES

- Figure 1. Friction Stir Welding Equipment Product Picture
- Figure 2. Global Friction Stir Welding Equipment Sales Value (US\$ Million), 2019 VS 2023 VS 2030
- Figure 3. Global Friction Stir Welding Equipment Sales Value (2019-2030) & (US\$ Million)
- Figure 4. Global Friction Stir Welding Equipment Sales (2019-2030) & (K Units)
- Figure 5. Global Friction Stir Welding Equipment Sales Average Price (USD/Unit) & (2019-2030)
- Figure 6. Global Friction Stir Welding Equipment Company Revenue Ranking in 2023 (US\$ Million)
- Figure 7. Global Top 5 and 10 Company Market Share by Revenue in 2023 (US\$ Million)
- Figure 8. Company Type (Tier 1, Tier 2, and Tier 3): 2019 VS 2023
- Figure 9. Desktop Equipment Picture
- Figure 10. Gantry Equipment Picture
- Figure 11. Others Picture
- Figure 12. Global Friction Stir Welding Equipment Sales Volume by Type (2019 VS 2023 VS 2030) & (K Units)
- Figure 13. Global Friction Stir Welding Equipment Sales Volume Share 2019 VS 2023 VS 2030
- Figure 14. Global Friction Stir Welding Equipment Sales Volume Share by Type (2019-2030)
- Figure 15. Global Friction Stir Welding Equipment Sales Value by Type (2019 VS 2023 VS 2030) & (US\$ Million)
- Figure 16. Global Friction Stir Welding Equipment Sales Value Share 2019 VS 2023 VS 2030
- Figure 17. Global Friction Stir Welding Equipment Sales Value Share by Type (2019-2030)
- Figure 18. Aerospace Picture
- Figure 19. Automotive Picture
- Figure 20. Shipbuilding Picture
- Figure 21. Railways Picture
- Figure 22. Others Picture
- Figure 23. Global Friction Stir Welding Equipment Sales Volume by Application (2019 VS 2023 VS 2030) & (K Units)

Figure 24. Global Friction Stir Welding Equipment Sales Volume Share

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