

Global C-Frame Friction Stir Welding Machine Market Research Report 2026(Status and Outlook)

<https://marketpublishers.com/r/GFEC12E01BA7EN.html>

Date: March 2026

Pages: 139

Price: US\$ 3,200.00 (Single User License)

ID: GFEC12E01BA7EN

Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on C-Frame Friction Stir Welding Machine competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. In 2024, global C-Frame friction stir welding machine production reached approximately 1926 units, with an average global market price of around K US\$ 300 per unit. C-Frame friction stir welding machine is an advanced solid-state welding technology, mainly used to join aluminum alloys, magnesium alloys and other light metals. This welding method generates frictional heat between the materials to be welded by a rotating stir head, bringing the materials to a plastic state and forming a high-quality welded joint. The demand for friction stir welding of C-frame friction stir welding machine mainly comes from the urgent demand for high-quality connection technology of large-scale thin-walled components in high-end manufacturing fields such as new energy vehicles and aerospace. The core driving force is that large-scale thin-walled or hollow structures such as battery trays, water-cooled plates and rocket fuel tanks must ensure high weld consistency, small deformation and no smoke pollution during the welding process. This provides a clear opportunity for the C-frame friction stir welding machine with its highly rigid bed and precision control capabilities to replace traditional gantry equipment to significantly reduce equipment footprint and initial investment while meeting the rhythm requirements of large-scale production lines. The current market opportunity lies in providing cost-effective, high-stability dedicated solutions for growing battery tray production lines and precision welding of complex curves in special fields such as aerospace. The key to competition lies in equipment reliability, process database accumulation and deep customization service capabilities for specific applications. The annual production capacity of a single C-type friction stir welding line is typically 5-70 units per year, with a gross profit margin of around 29%.

Downstream consumption of C-type friction stir welding equipment includes aerospace (25%), shipbuilding (18%), automotive (30%), electronics (19%), and other sectors (8%).

Market Concentration and Key Players: Internationally, the market concentration of friction stir welding of C-type machine is relatively high, mainly concentrated in developed countries such as Europe, America and Japan. For example, Stirtec and other large manufacturers; from the domestic point of view, C-type friction stir welding manufacturers have Guangdong Ruisong Intelligent Technology and Aerospace Engineering Equipment (Suzhou).

Manufacturing Processes and Market Trends: The core of friction stir welding process of C-type machine lies in the high rigidity C-type frame structure design of the machine body, which realizes the compact layout of spindle and worktable and ensures the welding stability under huge upsetting force. The key process links include the precise control of the spindle system on the speed and pressure of the stir head, and the accumulation of welding parameter libraries for different materials such as aluminum alloy or magnesium alloy, such as the coordinated matching of welding speed, rotation speed and pressure. The optimal design of fixture is very important to restrain the welding deformation of sheet metal, and the selection of constant pressure or constant displacement control mode directly affects the forming quality and internal defect control of weld seam.

Market trends show that C-type machine is becoming the preferred process for mass production of large thin-walled components such as battery trays for new energy vehicles, because it significantly improves production rhythm and reduces equipment footprint while ensuring weld consistency. The demand for lightweight monolithic structures in the aerospace industry has also driven the development of more sophisticated multi-axis linkage and flexible welded units. The future competition will focus on the improvement of process adaptability and intelligence level, through the integration of online monitoring system and digital twin technology, real-time adjustment of parameters and prediction of tool life, in order to meet the increasingly demanding requirements of customers for production efficiency and weld quality.

The global C-Frame Friction Stir Welding Machine market size was estimated at USD 578.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 5.00% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global C-Frame Friction Stir Welding Machine market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global C-Frame Friction Stir Welding Machine market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the C-Frame Friction Stir Welding Machine market.

Global C-Frame Friction Stir Welding Machine Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Terapec

Mazak

Stirtec

Guangdong Ruisong Intelligent Technology

Aerospace Engineering Equipment (Suzhou)

Anhui Wanyu Machinery Equipment Technology

Hunan Kunding CNC Technology
Suzhou Goodwill Industrial Equipment

Market Segmentation (by Type)

Vertical
Horizontal

Market Segmentation (by Application)

Aerospace
Ship
Automotive
Electronic
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 C-Frame Friction Stir Welding Machine Market
Overview of the regional outlook of the C-Frame Friction Stir Welding Machine Market:

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 C-Frame Friction Stir Welding Machine 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 shares the main producing countries of C-Frame Friction Stir Welding Machine, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 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 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

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 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.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of C-Frame Friction Stir Welding Machine
- 1.2 Key Market Segments
 - 1.2.1 C-Frame Friction Stir Welding Machine Segment by Type
 - 1.2.2 C-Frame Friction Stir Welding Machine 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 C-FRAME FRICTION STIR WELDING MACHINE MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global C-Frame Friction Stir Welding Machine Market Size (M USD) Estimates and Forecasts (2020-2035)
 - 2.1.2 Global C-Frame Friction Stir Welding Machine Sales Estimates and Forecasts (2020-2035)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 C-FRAME FRICTION STIR WELDING MACHINE MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global C-Frame Friction Stir Welding Machine Product Life Cycle
- 3.3 Global C-Frame Friction Stir Welding Machine Sales by Manufacturers (2020-2025)
- 3.4 Global C-Frame Friction Stir Welding Machine Revenue Market Share by Manufacturers (2020-2025)
- 3.5 C-Frame Friction Stir Welding Machine Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global C-Frame Friction Stir Welding Machine Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 C-Frame Friction Stir Welding Machine Market Competitive Situation and Trends

- 3.8.1 C-Frame Friction Stir Welding Machine Market Concentration Rate
- 3.8.2 Global 5 and 10 Largest C-Frame Friction Stir Welding Machine Players Market Share by Revenue
- 3.8.3 Mergers & Acquisitions, Expansion

4 C-FRAME FRICTION STIR WELDING MACHINE INDUSTRY CHAIN ANALYSIS

- 4.1 C-Frame Friction Stir Welding Machine 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 C-FRAME FRICTION STIR WELDING MACHINE 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 C-Frame Friction Stir Welding Machine Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to C-Frame Friction Stir Welding Machine Market
- 5.7 ESG Ratings of Leading Companies

6 C-FRAME FRICTION STIR WELDING MACHINE MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global C-Frame Friction Stir Welding Machine Sales Market Share by Type (2020-2025)

6.3 Global C-Frame Friction Stir Welding Machine Market Size by Type (2020-2025)

6.4 Global C-Frame Friction Stir Welding Machine Price by Type (2020-2025)

7 C-FRAME FRICTION STIR WELDING MACHINE MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global C-Frame Friction Stir Welding Machine Market Sales by Application (2020-2025)

7.3 Global C-Frame Friction Stir Welding Machine Market Size (M USD) by Application (2020-2025)

7.4 Global C-Frame Friction Stir Welding Machine Sales Growth Rate by Application (2020-2025)

8 C-FRAME FRICTION STIR WELDING MACHINE MARKET SALES BY REGION

8.1 Global C-Frame Friction Stir Welding Machine Sales by Region

8.1.1 Global C-Frame Friction Stir Welding Machine Sales by Region

8.1.2 Global C-Frame Friction Stir Welding Machine Sales Market Share by Region

8.2 Global C-Frame Friction Stir Welding Machine Market Size by Region

8.2.1 Global C-Frame Friction Stir Welding Machine Market Size by Region

8.2.2 Global C-Frame Friction Stir Welding Machine Market Size by Region

8.3 North America

8.3.1 North America C-Frame Friction Stir Welding Machine Sales by Country

8.3.2 North America C-Frame Friction Stir Welding Machine Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe C-Frame Friction Stir Welding Machine Sales by Country

8.4.2 Europe C-Frame Friction Stir Welding Machine Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

- 8.5.1 Asia Pacific C-Frame Friction Stir Welding Machine Sales by Region
- 8.5.2 Asia Pacific C-Frame Friction Stir Welding Machine Market Size by Region
- 8.5.3 China Market Overview
- 8.5.4 Japan Market Overview
- 8.5.5 South Korea Market Overview
- 8.5.6 India Market Overview
- 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America C-Frame Friction Stir Welding Machine Sales by Country
 - 8.6.2 South America C-Frame Friction Stir Welding Machine Market Size by Country
 - 8.6.3 Brazil Market Overview
 - 8.6.4 Argentina Market Overview
 - 8.6.5 Columbia Market Overview
- 8.7 Middle East and Africa
 - 8.7.1 Middle East and Africa C-Frame Friction Stir Welding Machine Sales by Region
 - 8.7.2 Middle East and Africa C-Frame Friction Stir Welding Machine Market Size by Region
 - 8.7.3 Saudi Arabia Market Overview
 - 8.7.4 UAE Market Overview
 - 8.7.5 Egypt Market Overview
 - 8.7.6 Nigeria Market Overview
 - 8.7.7 South Africa Market Overview

9 C-FRAME FRICTION STIR WELDING MACHINE MARKET PRODUCTION BY REGION

- 9.1 Global Production of C-Frame Friction Stir Welding Machine by Region(2020-2025)
- 9.2 Global C-Frame Friction Stir Welding Machine Revenue Market Share by Region (2020-2025)
- 9.3 Global C-Frame Friction Stir Welding Machine Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America C-Frame Friction Stir Welding Machine Production
 - 9.4.1 North America C-Frame Friction Stir Welding Machine Production Growth Rate (2020-2025)
 - 9.4.2 North America C-Frame Friction Stir Welding Machine Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe C-Frame Friction Stir Welding Machine Production
 - 9.5.1 Europe C-Frame Friction Stir Welding Machine Production Growth Rate (2020-2025)

9.5.2 Europe C-Frame Friction Stir Welding Machine Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan C-Frame Friction Stir Welding Machine Production (2020-2025)

9.6.1 Japan C-Frame Friction Stir Welding Machine Production Growth Rate (2020-2025)

9.6.2 Japan C-Frame Friction Stir Welding Machine Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China C-Frame Friction Stir Welding Machine Production (2020-2025)

9.7.1 China C-Frame Friction Stir Welding Machine Production Growth Rate (2020-2025)

9.7.2 China C-Frame Friction Stir Welding Machine Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Terapec

10.1.1 Terapec Basic Information

10.1.2 Terapec C-Frame Friction Stir Welding Machine Product Overview

10.1.3 Terapec C-Frame Friction Stir Welding Machine Product Market Performance

10.1.4 Terapec Business Overview

10.1.5 Terapec SWOT Analysis

10.1.6 Terapec Recent Developments

10.2 Mazak

10.2.1 Mazak Basic Information

10.2.2 Mazak C-Frame Friction Stir Welding Machine Product Overview

10.2.3 Mazak C-Frame Friction Stir Welding Machine Product Market Performance

10.2.4 Mazak Business Overview

10.2.5 Mazak SWOT Analysis

10.2.6 Mazak Recent Developments

10.3 Stirtec

10.3.1 Stirtec Basic Information

10.3.2 Stirtec C-Frame Friction Stir Welding Machine Product Overview

10.3.3 Stirtec C-Frame Friction Stir Welding Machine Product Market Performance

10.3.4 Stirtec Business Overview

10.3.5 Stirtec SWOT Analysis

10.3.6 Stirtec Recent Developments

10.4 Guangdong Ruisong Intelligent Technology

10.4.1 Guangdong Ruisong Intelligent Technology Basic Information

10.4.2 Guangdong Ruisong Intelligent Technology C-Frame Friction Stir Welding

Machine Product Overview

10.4.3 Guangdong Ruisong Intelligent Technology C-Frame Friction Stir Welding

Machine Product Market Performance

10.4.4 Guangdong Ruisong Intelligent Technology Business Overview

10.4.5 Guangdong Ruisong Intelligent Technology Recent Developments

10.5 Aerospace Engineering Equipment (Suzhou)

10.5.1 Aerospace Engineering Equipment (Suzhou) Basic Information

10.5.2 Aerospace Engineering Equipment (Suzhou) C-Frame Friction Stir Welding

Machine Product Overview

10.5.3 Aerospace Engineering Equipment (Suzhou) C-Frame Friction Stir Welding

Machine Product Market Performance

10.5.4 Aerospace Engineering Equipment (Suzhou) Business Overview

10.5.5 Aerospace Engineering Equipment (Suzhou) Recent Developments

10.6 Anhui Wanyu Machinery Equipment Technology

10.6.1 Anhui Wanyu Machinery Equipment Technology Basic Information

10.6.2 Anhui Wanyu Machinery Equipment Technology C-Frame Friction Stir Welding

Machine Product Overview

10.6.3 Anhui Wanyu Machinery Equipment Technology C-Frame Friction Stir Welding

Machine Product Market Performance

10.6.4 Anhui Wanyu Machinery Equipment Technology Business Overview

10.6.5 Anhui Wanyu Machinery Equipment Technology Recent Developments

10.7 Hunan Kunding CNC Technology

10.7.1 Hunan Kunding CNC Technology Basic Information

10.7.2 Hunan Kunding CNC Technology C-Frame Friction Stir Welding Machine

Product Overview

10.7.3 Hunan Kunding CNC Technology C-Frame Friction Stir Welding Machine

Product Market Performance

10.7.4 Hunan Kunding CNC Technology Business Overview

10.7.5 Hunan Kunding CNC Technology Recent Developments

10.8 Suzhou Goodwill Industrial Equipment

10.8.1 Suzhou Goodwill Industrial Equipment Basic Information

10.8.2 Suzhou Goodwill Industrial Equipment C-Frame Friction Stir Welding Machine

Product Overview

10.8.3 Suzhou Goodwill Industrial Equipment C-Frame Friction Stir Welding Machine

Product Market Performance

10.8.4 Suzhou Goodwill Industrial Equipment Business Overview

10.8.5 Suzhou Goodwill Industrial Equipment Recent Developments

11 C-FRAME FRICTION STIR WELDING MACHINE MARKET FORECAST BY

REGION

11.1 Global C-Frame Friction Stir Welding Machine Market Size Forecast

11.2 Global C-Frame Friction Stir Welding Machine Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe C-Frame Friction Stir Welding Machine Market Size Forecast by Country

11.2.3 Asia Pacific C-Frame Friction Stir Welding Machine Market Size Forecast by Region

11.2.4 South America C-Frame Friction Stir Welding Machine Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of C-Frame Friction Stir Welding Machine by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)

12.1 Global C-Frame Friction Stir Welding Machine Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of C-Frame Friction Stir Welding Machine by Type (2026-2035)

12.1.2 Global C-Frame Friction Stir Welding Machine Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of C-Frame Friction Stir Welding Machine by Type (2026-2035)

12.2 Global C-Frame Friction Stir Welding Machine Market Forecast by Application (2026-2035)

12.2.1 Global C-Frame Friction Stir Welding Machine Sales (K Units) Forecast by Application

12.2.2 Global C-Frame Friction Stir Welding Machine Market Size (M USD) Forecast by Application (2026-2035)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Global C-Frame Friction Stir Welding Machine Market Size by Type (M USD)

Table 4. Global C-Frame Friction Stir Welding Machine Market Size by Application

Table 5. C-Frame Friction Stir Welding Machine Market Size Comparison by Region (M USD)

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

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

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

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

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in C-Frame Friction Stir Welding Machine as of 2025)

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

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global C-Frame Friction Stir Welding Machine 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. C-Frame Friction Stir Welding Machine Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global C-Frame Friction Stir Welding Machine Sales by Type (K Units)

- Table 27. Global C-Frame Friction Stir Welding Machine Market Size by Type (M USD)
- Table 28. Global C-Frame Friction Stir Welding Machine Sales (K Units) by Type (2020-2025)
- Table 29. Global C-Frame Friction Stir Welding Machine Sales Market Share by Type (2020-2025)
- Table 30. Global C-Frame Friction Stir Welding Machine Market Size (M USD) by Type (2020-2025)
- Table 31. Global C-Frame Friction Stir Welding Machine Market Share by Type (2020-2025)
- Table 32. Global C-Frame Friction Stir Welding Machine Price (USD/Unit) by Type (2020-2025)
- Table 33. Global C-Frame Friction Stir Welding Machine Sales (K Units) by Application
- Table 34. Global C-Frame Friction Stir Welding Machine Market Size by Application
- Table 35. Global C-Frame Friction Stir Welding Machine Sales by Application (2020-2025) & (K Units)
- Table 36. Global C-Frame Friction Stir Welding Machine Sales Market Share by Application (2020-2025)
- Table 37. Global C-Frame Friction Stir Welding Machine Market Size by Application (2020-2025) & (M USD)
- Table 38. Global C-Frame Friction Stir Welding Machine Market Share by Application (2020-2025)
- Table 39. Global C-Frame Friction Stir Welding Machine Sales Growth Rate by Application (2020-2025)
- Table 40. Global C-Frame Friction Stir Welding Machine Sales by Region (2020-2025) & (K Units)
- Table 41. Global C-Frame Friction Stir Welding Machine Sales Market Share by Region (2020-2025)
- Table 42. Global C-Frame Friction Stir Welding Machine Market Size by Region (2020-2025) & (M USD)
- Table 43. Global C-Frame Friction Stir Welding Machine Market Size by Region (2020-2025)
- Table 44. North America C-Frame Friction Stir Welding Machine Sales by Country (2020-2025) & (K Units)
- Table 45. North America C-Frame Friction Stir Welding Machine Market Size by Country (2020-2025) & (M USD)
- Table 46. Europe C-Frame Friction Stir Welding Machine Sales by Country (2020-2025) & (K Units)
- Table 47. Europe C-Frame Friction Stir Welding Machine Market Size by Country (2020-2025) & (M USD)

- Table 48. Asia Pacific C-Frame Friction Stir Welding Machine Sales by Region (2020-2025) & (K Units)
- Table 49. Asia Pacific C-Frame Friction Stir Welding Machine Market Size by Region (2020-2025) & (M USD)
- Table 50. South America C-Frame Friction Stir Welding Machine Sales by Country (2020-2025) & (K Units)
- Table 51. South America C-Frame Friction Stir Welding Machine Market Size by Country (2020-2025) & (M USD)
- Table 52. Middle East and Africa C-Frame Friction Stir Welding Machine Sales by Region (2020-2025) & (K Units)
- Table 53. Middle East and Africa C-Frame Friction Stir Welding Machine Market Size by Region (2020-2025) & (M USD)
- Table 54. Global C-Frame Friction Stir Welding Machine Production (K Units) by Region(2020-2025)
- Table 55. Global C-Frame Friction Stir Welding Machine Revenue (US\$ Million) by Region (2020-2025)
- Table 56. Global C-Frame Friction Stir Welding Machine Revenue Market Share by Region (2020-2025)
- Table 57. Global C-Frame Friction Stir Welding Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 58. North America C-Frame Friction Stir Welding Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 59. Europe C-Frame Friction Stir Welding Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 60. Japan C-Frame Friction Stir Welding Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 61. China C-Frame Friction Stir Welding Machine Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 62. Terapec Basic Information
- Table 63. Terapec C-Frame Friction Stir Welding Machine Product Overview
- Table 64. Terapec C-Frame Friction Stir Welding Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 65. Terapec Business Overview
- Table 66. Terapec SWOT Analysis
- Table 67. Terapec Recent Developments
- Table 68. Mazak Basic Information
- Table 69. Mazak C-Frame Friction Stir Welding Machine Product Overview
- Table 70. Mazak C-Frame Friction Stir Welding Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

- Table 71. Mazak Business Overview
- Table 72. Mazak SWOT Analysis
- Table 73. Mazak Recent Developments
- Table 74. Stirtec Basic Information
- Table 75. Stirtec C-Frame Friction Stir Welding Machine Product Overview
- Table 76. Stirtec C-Frame Friction Stir Welding Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 77. Stirtec Business Overview
- Table 78. Stirtec SWOT Analysis
- Table 79. Stirtec Recent Developments
- Table 80. Guangdong Ruisong Intelligent Technology Basic Information
- Table 81. Guangdong Ruisong Intelligent Technology C-Frame Friction Stir Welding Machine Product Overview
- Table 82. Guangdong Ruisong Intelligent Technology C-Frame Friction Stir Welding Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 83. Guangdong Ruisong Intelligent Technology Business Overview
- Table 84. Guangdong Ruisong Intelligent Technology Recent Developments
- Table 85. Aerospace Engineering Equipment (Suzhou) Basic Information
- Table 86. Aerospace Engineering Equipment (Suzhou) C-Frame Friction Stir Welding Machine Product Overview
- Table 87. Aerospace Engineering Equipment (Suzhou) C-Frame Friction Stir Welding Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 88. Aerospace Engineering Equipment (Suzhou) Business Overview
- Table 89. Aerospace Engineering Equipment (Suzhou) Recent Developments
- Table 90. Anhui Wanyu Machinery Equipment Technology Basic Information
- Table 91. Anhui Wanyu Machinery Equipment Technology C-Frame Friction Stir Welding Machine Product Overview
- Table 92. Anhui Wanyu Machinery Equipment Technology C-Frame Friction Stir Welding Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 93. Anhui Wanyu Machinery Equipment Technology Business Overview
- Table 94. Anhui Wanyu Machinery Equipment Technology Recent Developments
- Table 95. Hunan Kunding CNC Technology Basic Information
- Table 96. Hunan Kunding CNC Technology C-Frame Friction Stir Welding Machine Product Overview
- Table 97. Hunan Kunding CNC Technology C-Frame Friction Stir Welding Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

- Table 98. Hunan Kunding CNC Technology Business Overview
- Table 99. Hunan Kunding CNC Technology Recent Developments
- Table 100. Suzhou Goodwill Industrial Equipment Basic Information
- Table 101. Suzhou Goodwill Industrial Equipment C-Frame Friction Stir Welding Machine Product Overview
- Table 102. Suzhou Goodwill Industrial Equipment C-Frame Friction Stir Welding Machine Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 103. Suzhou Goodwill Industrial Equipment Business Overview
- Table 104. Suzhou Goodwill Industrial Equipment Recent Developments
- Table 105. Global C-Frame Friction Stir Welding Machine Sales Forecast by Region (2026-2035) & (K Units)
- Table 106. Global C-Frame Friction Stir Welding Machine Market Size Forecast by Region (2026-2035) & (M USD)
- Table 107. North America C-Frame Friction Stir Welding Machine Sales Forecast by Country (2026-2035) & (K Units)
- Table 108. North America C-Frame Friction Stir Welding Machine Market Size Forecast by Country (2026-2035) & (M USD)
- Table 109. Europe C-Frame Friction Stir Welding Machine Sales Forecast by Country (2026-2035) & (K Units)
- Table 110. Europe C-Frame Friction Stir Welding Machine Market Size Forecast by Country (2026-2035) & (M USD)
- Table 111. Asia Pacific C-Frame Friction Stir Welding Machine Sales Forecast by Region (2026-2035) & (K Units)
- Table 112. Asia Pacific C-Frame Friction Stir Welding Machine Market Size Forecast by Region (2026-2035) & (M USD)
- Table 113. South America C-Frame Friction Stir Welding Machine Sales Forecast by Country (2026-2035) & (K Units)
- Table 114. South America C-Frame Friction Stir Welding Machine Market Size Forecast by Country (2026-2035) & (M USD)
- Table 115. Middle East and Africa C-Frame Friction Stir Welding Machine Sales Forecast by Country (2026-2035) & (Units)
- Table 116. Middle East and Africa C-Frame Friction Stir Welding Machine Market Size Forecast by Country (2026-2035) & (M USD)
- Table 117. Global C-Frame Friction Stir Welding Machine Sales Forecast by Type (2026-2035) & (K Units)
- Table 118. Global C-Frame Friction Stir Welding Machine Market Size Forecast by Type (2026-2035) & (M USD)
- Table 119. Global C-Frame Friction Stir Welding Machine Price Forecast by Type

(2026-2035) & (USD/Unit)

Table 120. Global C-Frame Friction Stir Welding Machine Sales (K Units) Forecast by Application (2026-2035)

Table 121. Global C-Frame Friction Stir Welding Machine Market Size Forecast by Application (2026-2035) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of C-Frame Friction Stir Welding Machine
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global C-Frame Friction Stir Welding Machine Market Size (M USD), 2025-2035
- Figure 5. Global C-Frame Friction Stir Welding Machine Market Size (M USD) (2020-2035)
- Figure 6. Global C-Frame Friction Stir Welding Machine Sales (K Units) & (2020-2035)
- 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. C-Frame Friction Stir Welding Machine Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global C-Frame Friction Stir Welding Machine Product Life Cycle
- Figure 13. C-Frame Friction Stir Welding Machine Sales Share by Manufacturers in 2025
- Figure 14. Global C-Frame Friction Stir Welding Machine Revenue Share by Manufacturers in 2025
- Figure 15. C-Frame Friction Stir Welding Machine Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market C-Frame Friction Stir Welding Machine Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by C-Frame Friction Stir Welding Machine Revenue in 2025
- Figure 18. Industry Chain Map of C-Frame Friction Stir Welding Machine
- Figure 19. Global C-Frame Friction Stir Welding Machine Market PEST Analysis
- Figure 20. Global C-Frame Friction Stir Welding Machine 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 Segment Market Development Potential (Type)
- Figure 26. Global C-Frame Friction Stir Welding Machine Market Share by Type
- Figure 27. Sales Market Share of C-Frame Friction Stir Welding Machine by Type

(2020-2025)

Figure 28. Sales Market Share of C-Frame Friction Stir Welding Machine by Type in 2025

Figure 29. Market Share of C-Frame Friction Stir Welding Machine by Type (2020-2025)

Figure 30. Market Share of C-Frame Friction Stir Welding Machine by Type in 2025

Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

Figure 32. Global C-Frame Friction Stir Welding Machine Market Share by Application

Figure 33. Global C-Frame Friction Stir Welding Machine Sales Market Share by Application (2020-2025)

Figure 34. Global C-Frame Friction Stir Welding Machine Sales Market Share by Application in 2025

Figure 35. Global C-Frame Friction Stir Welding Machine Market Share by Application (2020-2025)

Figure 36. Global C-Frame Friction Stir Welding Machine Market Share by Application in 2025

Figure 37. Global C-Frame Friction Stir Welding Machine Sales Growth Rate by Application (2020-2025)

Figure 38. Global C-Frame Friction Stir Welding Machine Sales Market Share by Region (2020-2025)

Figure 39. Global C-Frame Friction Stir Welding Machine Market Size by Region (2020-2025)

Figure 40. North America C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America C-Frame Friction Stir Welding Machine Sales Market Share by Country in 2024

Figure 43. North America C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America C-Frame Friction Stir Welding Machine Market Size by Country in 2024

Figure 45. U.S. C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada C-Frame Friction Stir Welding Machine Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada C-Frame Friction Stir Welding Machine Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico C-Frame Friction Stir Welding Machine Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico C-Frame Friction Stir Welding Machine Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe C-Frame Friction Stir Welding Machine Sales Market Share by Country in 2024

Figure 53. Europe C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe C-Frame Friction Stir Welding Machine Market Size by Country in 2024

Figure 55. Germany C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific C-Frame Friction Stir Welding Machine Sales and Growth Rate (K Units)

Figure 66. Asia Pacific C-Frame Friction Stir Welding Machine Sales Market Share by Region in 2024

Figure 67. Asia Pacific C-Frame Friction Stir Welding Machine Market Size by Region in 2024

Figure 68. China C-Frame Friction Stir Welding Machine Sales and Growth Rate

(2020-2025) & (K Units)

Figure 69. China C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America C-Frame Friction Stir Welding Machine Sales and Growth Rate (K Units)

Figure 79. South America C-Frame Friction Stir Welding Machine Sales Market Share by Country in 2024

Figure 80. South America C-Frame Friction Stir Welding Machine Market Size and Growth Rate (M USD)

Figure 81. South America C-Frame Friction Stir Welding Machine Market Size by Country in 2024

Figure 82. Brazil C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa C-Frame Friction Stir Welding Machine Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa C-Frame Friction Stir Welding Machine Sales Market Share by Region in 2024

Figure 90. Middle East and Africa C-Frame Friction Stir Welding Machine Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa C-Frame Friction Stir Welding Machine Market Size by Region in 2024

Figure 92. Saudi Arabia C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa C-Frame Friction Stir Welding Machine Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa C-Frame Friction Stir Welding Machine Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global C-Frame Friction Stir Welding Machine Production Market Share by Region (2020-2025)

Figure 103. North America C-Frame Friction Stir Welding Machine Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe C-Frame Friction Stir Welding Machine Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan C-Frame Friction Stir Welding Machine Production (K Units) Growth Rate (2020-2025)

Figure 106. China C-Frame Friction Stir Welding Machine Production (K Units) Growth Rate (2020-2025)

Figure 107. Global C-Frame Friction Stir Welding Machine Sales Forecast by Volume

(2020-2035) & (K Units)

Figure 108. Global C-Frame Friction Stir Welding Machine Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global C-Frame Friction Stir Welding Machine Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global C-Frame Friction Stir Welding Machine Market Share Forecast by Type (2026-2035)

Figure 111. Global C-Frame Friction Stir Welding Machine Sales Forecast by Application (2026-2035)

Figure 112. Global C-Frame Friction Stir Welding Machine Market Share Forecast by Application (2026-2035)

I would like to order

Product name: Global C-Frame Friction Stir Welding Machine Market Research Report 2026(Status and Outlook)

Product link: <https://marketpublishers.com/r/GFEC12E01BA7EN.html>

Price: US\$ 3,200.00 (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/GFEC12E01BA7EN.html>