

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

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Abstracts

According to our (Global Info Research) latest study, the global Friction Welding Machine market size was valued at USD 539.7 million in 2023 and is forecast to a readjusted size of USD 671.4 million by 2030 with a CAGR of 3.2% during review period.

Friction Welding Machine is a type of machine which uses friction welding technology to work. Traditionally, friction welding is carried out by moving one component relative to the other along a common interface, while applying a compressive force across the joint. The friction heating generated at the interface softens both components, and when they become plasticised the interface material is extruded out of the edges of the joint so that clean material from each component is left along the original interface. The relative motion is then stopped, and a higher final compressive force may be applied before the joint is allowed to cool. The key to friction welding is that no molten material is generated, the weld being formed in the solid state.

Global main manufacturers of friction welding machine include KUKA, Izumi Machine and Branson (Emerson), etc. The top three players hold a share about 30%. Europe is the largest producer of friction welding machine, holds a share around 31%, followed by China and North America, with share 25% and 20%, separately. The largest market is Europe, holds a share about 34%, followed by North America and China, with around 26% and 18% market share respectively.

The Global Info Research report includes an overview of the development of the Friction Welding Machine industry chain, the market status of Aerospace and Defence (Linear Friction Welding, Rotary Friction Welding), Automotive (Linear Friction Welding, Rotary

Friction Welding), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Friction Welding Machine.

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

Key Features:

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

The report involves analyzing the market at a macro level:

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

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

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

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

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

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

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

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

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

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

Market Segmentation

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

Market segment by Type

Linear Friction Welding

Rotary Friction Welding

Stir Friction Welding

Market segment by Application

Aerospace and Defence

Automotive

Shipbuilding

General Machine Manufacturing

Others

Major players covered

KUKA

Izumi Machine

Branson (Emerson)

MTI

Grenzebach Maschinenbau GmbH

Nova-Tech Engineering

Bielomatik

FOOKE GmbH

PaR Systems

Aerospace Engineering Equipment

Crest Group

Beijing FSW

Changchun CNC Machine

General Tool Company

Sooncable

Dukane

ETA

Jiangsu Ruicheng Machinery

Guangzhou Risong

Sakae Industries

U-Jin Tech

Nitto Seiki

Gatwick

Keber

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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