

# Global Friction Welding Machine Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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## Abstracts

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.

According to APO Research, The global Friction Welding Machine 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.

In the coming years there is an increasing demand for friction welding machine in the regions of Germany, USA, China and Japan that is expected to drive the market for more friction welding machine. Increasing of welding equipment expenditures, more-intense competition, launches in introducing new products, increasing of spending on automotive and general machine industry, retrofitting and renovation of old technology, increasing adoption of friction welding machine will drive growth in global market.

For the major players of friction welding machine, KUKA maintained its first place in the ranking in 2019, followed by Branson (Emerson) and Shenzhen Izumi Machine. The Top 5 players accounted for 43% of the Global friction welding machine revenue market share in 2019.

North America has the largest market share of friction welding machine, with 33% in 2019. It is followed by Europe and Asia Pacific.

In terms of production side, this report researches the Friction Welding Machine production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Friction Welding Machine by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Friction Welding Machine, capacity, output, 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 Welding Machine, also provides the consumption of main regions and countries. Of the upcoming market potential for Friction Welding Machine, 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 Welding Machine sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Friction Welding Machine 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 Welding Machine sales, projected growth trends, production technology, application and end-user industry.

Descriptive company profiles of the major global players, including KUKA, Branson (Emerson), Izumi Machine, ESAB, MTI, Grenzebach Maschinenbau GmbH, Nova-Tech

Engineering, Bielomatik and Beijing FSW, etc.

## Friction Welding Machine segment by Company

KUKA

Branson (Emerson)

Izumi Machine

ESAB

MTI

Grenzebach Maschinenbau GmbH

Nova-Tech Engineering

Bielomatik

Beijing FSW

FOOKE GmbH

PaR Systems

Crest Group

General Tool Company

Aerospace Engineering Equipment

Dukane

ETA

Sooncable

Sakae Industries

U-Jin Tech

Nitto Seiki

Changchun CNC Machine

Gatwick

Keber

#### Friction Welding Machine segment by Type

Rotary Friction Welding Machine

Linear Friction Welding Machine

Friction Stir Welding Machine

#### Friction Welding Machine segment by Application

Automotive Manufacturing

Tool & Machine Manufacturing

Aviation & Shipbuilding

#### Friction Welding Machine 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 status and future forecast, involving, production, value, consumption, growth rate (CAGR), market share, historical and forecast.
2. To present the key manufacturers, capacity, production, 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 market potential and advantage, opportunity and challenge, restraints, and risks.
5. To identify significant trends, drivers, influence factors in global and regions.
6. To analyze 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 Welding Machine 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 Welding Machine 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 volume 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 Welding Machine.

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 Welding Machine market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).

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

Chapter 3: Detailed analysis of Friction Welding Machine market competition landscape. Including Friction Welding Machine manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, 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: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Friction Welding Machine by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Friction Welding Machine in regional level and country level. It 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 production of each country in the world.

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

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