

# 2018 Top 5 Linear Friction Welding Machines Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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## Abstracts

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Friction welding (FRW) is a solid-state welding process that generates heat through mechanical friction between work pieces in relative motion to one another, with the addition of a lateral force called "upset" to plastically displace and fuse the materials.

Linear Friction Welding: a solid-state process in which one part is chuck oscillates at a high speed, and then pressed against another part that is held stationary. The resulting friction heats the parts, causing them to forge together.

There are many linear friction welding machines manufacturers in the world and most of them produce all kinds of friction welding machine, such as Branson, Thompson, MTI, Bielomatik and Forward Technology. All the manufactures are mainly concentrated in USA, Europe, etc. Although there are also some Friction Welding Machine manufacturers in developing countries, but the scales of their Linear friction welding machines companies is relative small, and the products quality is inferior to foreign Friction Welding Machine products, so the price is lower than some foreign Friction Welding Machine products.

As the technology of linear friction welding machines is relatively mature and the downstream market, especially for automobile is growing fast, so there are lots of enterprises in the linear friction welding machines market. The high-end linear friction welding machines was mainly produced in Europe and United States because their advanced R&D lever, but most of the products were consumed in developing countries especially in Southeast Asia where the machining accuracy is lower.

Over the next five years, LPI(LP Information) projects that Linear Friction Welding Machines will register a 5.0% CAGR in terms of revenue, reach US\$ 170 million by

2023, from US\$ 130 million in 2017.

This report studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

Branson

Thompson

MTI

Bielomatik

Forward Technology

Dukane

KLN

Daeyoung Ultrasonic

Chango

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

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

Europe (Germany, UK, France, Italy and Russia etc.)

South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Linear Vibration Welding

Linear Friction Welding

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Aerospace Industry

Automobile Industry

Oil and Gas Industry

Power Generation Industry

Consumer Product Industry

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