

# Global and United States Friction Stir Welding Equipment Market Research by Company, Type & Application 2013-2025

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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.

Market Segment as follows:

#### By Type

Desktop Equipment

Gantry Equipment

Others

#### By Application

Aerospace

Automotive

Shipbuilding

Railways

Others

### By Company

Beijing FSW

ESAB

PaR Systems

Hitachi

General Tool Company

PTG

Nitto Seiki

BTI

Sooncable

Gatwick

ETA Technology

The main contents of the report including:

Section 1:

Product definition, type and application, global and United States market overview;

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Section 2:

Global and United States Market competition by company;

Section 3:

Global and United States sales revenue, volume and price by type;

Section 4:

Global and United States sales revenue, volume and price by application;

Section 5:

United States export and import;

Section 6:

Company information, business overview, sales data and product specifications;

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