

# Global and United States Ultrasonic Metal Welding Market Research by Company, Type & Application 2013-2025

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## Abstracts

### SUMMARY

Ultrasonic Metal Welding Machine is an industrial technique whereby high-frequency ultrasonic acoustic vibrations are locally applied to work pieces being held together under pressure to create a solid-state weld. Ultrasonic Metal Welding is a unique process that has typically been limited to applications involving softer, high conductivity alloys. Skipping over the physics and metallurgy of the process; let's just say that high-frequency vibrations are transferred to the work pieces via a set of ultrasonic tools to create a solid-state bond. For welding softer materials, like aluminum and copper, these ultrasonic tools are typically made of hardened tool steel. However, it has been found over and over that it is also possible to ultrasonically weld higher-strength alloys, including Stainless Steel, Titanium Alloys, Nickel-based super alloys, Advanced High Strength Steels, and Molybdenum, to mention a few.

Market Segment as follows:

#### By Type

Spot Ultrasonic Metal Welder

Wire Splicing Ultrasonic Metal Welder

#### By Application

Electronics

Aerospace & Automotive

Life Sciences & Medical

Power

Others

#### By Company

EMERSON

TELSONIC

SCHUNK

SONICS

VETRON

Forward Sonic Tech

Shallwin

MECASONIC

Chuxin

Sonobond

The main contents of the report including:

Section 1:

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

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;

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

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