

Global Welding Machinery Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Welding Machinery market size is expected to reach \$ 18971 million by 2032, rising at a market growth of 4.3% CAGR during the forecast period (2026-2032).

Welding machinery refers to industrial machines and systems used to join metals or thermoplastics through heat, pressure, or a combination of both. It includes arc welding machines, resistance welding machines, MIG/MAG welders, TIG welders, MMA/stick welders, submerged arc welding machines, laser welding machines, plasma welding systems, ultrasonic welding machines, friction welding machines, electron beam welding machines, welding robots, welding power sources, positioners, controllers, and automated welding lines. Compared with simple welding tools, welding machinery emphasizes mechanical operation, power control, process stability, productivity, and integration into industrial manufacturing lines.

Global production capacity is approximately 40 million units.

In 2025, global sales reached approximately 33.9 million units, with an average price of around US\$ 408 per unit, gross margin around 25%.

The welding machinery is a mature but steadily upgrading industrial machinery market. Basic arc welding and resistance welding machines will continue to support large demand in construction, maintenance, metal fabrication, automotive, and machinery manufacturing. However, future growth will increasingly come from robotic welding systems, laser welding machines, digital welding power sources, automated production lines, and intelligent process monitoring. Competition will shift from simple equipment price to welding quality, energy efficiency, automation capability, process data management, system integration, and after-sales service. The market outlook remains positive as manufacturers continue to improve productivity and reduce dependence on

skilled manual welders.

Market Trend

The welding machinery market is developing toward automation, digital control, high-efficiency inverter technology, robotic welding, laser welding, and intelligent quality monitoring. Traditional manual welding machines remain widely used in construction, maintenance, and general metal fabrication, while automatic and robotic welding systems are growing faster in automotive, machinery, shipbuilding, energy, and precision manufacturing.

Market Drive

Market growth is mainly driven by industrial automation, infrastructure construction, automotive production, energy equipment investment, shipbuilding, and demand for higher welding quality. Labor shortages and rising labor costs are encouraging manufacturers to replace manual operations with semi-automatic, automatic, and robotic welding machinery. New energy vehicles, battery structures, lightweight aluminum components, wind power equipment, pressure vessels, pipelines, and rail transit also require stable and repeatable welding processes.

Upstream and Downstream

Upstream suppliers for welding machinery include steel, copper, aluminum, electronic components, power semiconductors, transformers, inverters, sensors, motors, welding torches, wire feeders, robot arms, control systems, and software providers. Major manufacturers include Lincoln Electric, ESAB, Illinois Tool Works, Fronius, Panasonic, DAIHEN, AMADA, Kemppi, GYS, Telwin, Shanghai Hugong, Jasic, Riland, Aotai, Megmeet, and Estun. Downstream customers include automotive OEMs, shipyards, steel fabricators, machinery manufacturers, construction contractors, energy equipment producers, pipeline companies, rail transit manufacturers, electronics producers, and repair service providers.

This report studies the global Welding Machinery production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Welding Machinery and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and

competition, as well as details the characteristics of Welding Machinery that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Welding Machinery total production and demand, 2021-2032, (K Units)

Global Welding Machinery total production value, 2021-2032, (USD Million)

Global Welding Machinery production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Welding Machinery consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Welding Machinery domestic production, consumption, key domestic manufacturers and share

Global Welding Machinery production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Welding Machinery production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Welding Machinery production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Welding Machinery market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include ESAB, Lincoln Electric, Illinois Tool Works, Daihen, Panasonic, Stanley Black & Decker, Fronius International, Carl Cloos Schweisstechnik, Hugong, Jasic Technology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Welding Machinery market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Welding Machinery Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Welding Machinery Market, Segmentation by Type:

MIG/MAG

MMA

TIG

Others

Global Welding Machinery Market, Segmentation by Automation:

Manual Welding

Automatic Welding

Global Welding Machinery Market, Segmentation by Power Source:

AC Welding

DC Welding

Global Welding Machinery Market, Segmentation by Application:

Construction

Automotive

Heavy Equipment

Electronics and Precision Manufacturing

Energy and Chemical

Transport

Others

Companies Profiled:

ESAB

Lincoln Electric

Illinois Tool Works

Daihen

Panasonic

Stanley Black & Decker

Fronius International

Carl Cloos Schweisstechnik

Hugong

Jasic Technology

Kende

Kemppi

Riland

Hutong

Aotai Electric

Denyo

Telwin

Beijing Time Technologies

Kaierda

CEA Weld

Aitel Welder

Key Questions Answered:

1. How big is the global Welding Machinery market?
2. What is the demand of the global Welding Machinery market?
3. What is the year over year growth of the global Welding Machinery market?
4. What is the production and production value of the global Welding Machinery market?
5. Who are the key producers in the global Welding Machinery market?
6. What are the growth factors driving the market demand?

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