

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

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Abstracts

The global Welding Machinery and Equipment market size is expected to reach \$ 19125 million by 2032, rising at a market growth of 4.6% CAGR during the forecast period (2026-2032).

Welding machinery and equipment refers to machines, systems, tools and auxiliary devices used to join metal or thermoplastic materials through heat, pressure, or both. The category includes arc welding machines, resistance welding equipment, MIG/MAG welders, TIG welders, MMA/stick welders, submerged arc welding systems, laser welding equipment, plasma welding/cutting systems, ultrasonic welding machines, friction welding equipment, electron beam welding machines, welding robots, welding power sources, torches, wire feeders, positioners, controllers and automated welding production lines. It is widely used in automotive, construction, shipbuilding, energy, machinery manufacturing, metal fabrication, repair and maintenance. Global production capacity is approximately 40 million units.

In 2025, global sales reached approximately 33.7 million units, with an average price of around US\$ 407 per unit, gross margin around 25%.

The welding machinery and equipment is a mature industrial equipment market, but its product structure is upgrading quickly. Basic welding machines will remain necessary for construction, maintenance and general metal fabrication, while future growth will come mainly from robotic welding systems, laser welding, digital power sources, automated production lines and intelligent quality-control solutions. Competition is no longer based only on machine price; leading suppliers must provide stable welding performance, energy efficiency, automation integration, process data management and after-sales technical support. The market outlook remains positive as manufacturing

industries continue to pursue higher productivity, lower labor dependence and better welding consistency.

Market Trend

The welding machinery and equipment market is shifting from traditional standalone welding machines toward automated, digital and integrated welding systems. Inverter power sources, robotic welding cells, laser welding, intelligent quality monitoring and data-connected welding platforms are becoming more important. Manual arc welding equipment still has large demand in construction, repair and small workshops, but high-end growth is increasingly driven by automation, automotive production, shipbuilding, energy equipment and precision manufacturing.

Market Drive

Market growth is mainly driven by infrastructure investment, industrialization, manufacturing automation, automotive production, energy projects and the need for higher welding quality. Shortage of skilled welders is pushing factories to adopt semi-automatic and robotic welding systems. Electric vehicles, battery packs, lightweight aluminum structures, wind towers, pressure vessels, pipelines and rail equipment also require more precise and repeatable welding processes. Asia-Pacific remains a major growth region, while North America and Europe continue upgrading toward high-productivity and automated systems. Arc welding remains a key technology, while laser welding is one of the faster-growing segments.

Upstream and Downstream

Upstream suppliers include steel, copper, aluminum, electronic components, power semiconductors, transformers, inverters, sensors, wire feeders, welding torches, robot arms, controllers and software providers. Key welding machinery manufacturers include Lincoln Electric, ESAB, Illinois Tool Works, Fronius, Panasonic, DAIHEN, AMADA, Kemppi, GYS, Telwin, Shanghai Hugong, Jasic, Riland, Aotai 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. Recent transactions also show suppliers expanding into automation, sensing and inspection technologies.

This report studies the global Welding Machinery and Equipment production, demand,

key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Welding Machinery and Equipment 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 and Equipment that contribute to its increasing demand across many markets.

Highlights and key features of the study

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

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

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

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

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

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

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

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

This report profiles key players in the global Welding Machinery and Equipment 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 and Equipment 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 and Equipment Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Welding Machinery and Equipment Market, Segmentation by Type:

Arc Welding

Resistance Welding

Laser Welding

Others

Global Welding Machinery and Equipment Market, Segmentation by Automation:

Manual Welding

Automatic Welding

Global Welding Machinery and Equipment Market, Segmentation by Power Source:

AC Welding

DC Welding

Global Welding Machinery and Equipment 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 and Equipment market?
2. What is the demand of the global Welding Machinery and Equipment market?
3. What is the year over year growth of the global Welding Machinery and Equipment

market?

4. What is the production and production value of the global Welding Machinery and Equipment market?
5. Who are the key producers in the global Welding Machinery and Equipment market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

1.1 Welding Machinery and Equipment Introduction

1.2 World Welding Machinery and Equipment Supply & Forecast

1.2.1 World Welding Machinery and Equipment Production Value (2021 & 2025 & 2032)

1.2.2 World Welding Machinery and Equipment Production (2021-2032)

1.2.3 World Welding Machinery and Equipment Pricing Trends (2021-2032)

1.3 World Welding Machinery and Equipment Production by Region (Based on Production Site)

1.3.1 World Welding Machinery and Equipment Production Value by Region (2021-2032)

1.3.2 World Welding Machinery and Equipment Production by Region (2021-2032)

1.3.3 World Welding Machinery and Equipment Average Price by Region (2021-2032)

1.3.4 North America Welding Machinery and Equipment Production (2021-2032)

1.3.5 Europe Welding Machinery and Equipment Production (2021-2032)

1.3.6 China Welding Machinery and Equipment Production (2021-2032)

1.3.7 Japan Welding Machinery and Equipment Production (2021-2032)

1.4 Market Drivers, Restraints and Trends

1.4.1 Welding Machinery and Equipment Market Drivers

1.4.2 Factors Affecting Demand

1.4.3 Welding Machinery and Equipment Major Market Trends

2 DEMAND SUMMARY

2.1 World Welding Machinery and Equipment Demand (2021-2032)

2.2 World Welding Machinery and Equipment Consumption by Region

2.2.1 World Welding Machinery and Equipment Consumption by Region (2021-2026)

2.2.2 World Welding Machinery and Equipment Consumption Forecast by Region (2027-2032)

2.3 United States Welding Machinery and Equipment Consumption (2021-2032)

2.4 China Welding Machinery and Equipment Consumption (2021-2032)

2.5 Europe Welding Machinery and Equipment Consumption (2021-2032)

2.6 Japan Welding Machinery and Equipment Consumption (2021-2032)

2.7 South Korea Welding Machinery and Equipment Consumption (2021-2032)

2.8 ASEAN Welding Machinery and Equipment Consumption (2021-2032)

2.9 India Welding Machinery and Equipment Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Welding Machinery and Equipment Production Value by Manufacturer (2021-2026)

3.2 World Welding Machinery and Equipment Production by Manufacturer (2021-2026)

3.3 World Welding Machinery and Equipment Average Price by Manufacturer (2021-2026)

3.4 Welding Machinery and Equipment Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Welding Machinery and Equipment Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Welding Machinery and Equipment in 2025

3.5.3 Global Concentration Ratios (CR8) for Welding Machinery and Equipment in 2025

3.6 Welding Machinery and Equipment Market: Overall Company Footprint Analysis

3.6.1 Welding Machinery and Equipment Market: Region Footprint

3.6.2 Welding Machinery and Equipment Market: Company Product Type Footprint

3.6.3 Welding Machinery and Equipment Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Welding Machinery and Equipment Production Value Comparison

4.1.1 United States VS China: Welding Machinery and Equipment Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Welding Machinery and Equipment Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Welding Machinery and Equipment Production Comparison

4.2.1 United States VS China: Welding Machinery and Equipment Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Welding Machinery and Equipment Production Market

Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Welding Machinery and Equipment Consumption Comparison

4.3.1 United States VS China: Welding Machinery and Equipment Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Welding Machinery and Equipment Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Welding Machinery and Equipment Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Welding Machinery and Equipment Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Welding Machinery and Equipment Production Value (2021-2026)

4.4.3 United States Based Manufacturers Welding Machinery and Equipment Production (2021-2026)

4.5 China Based Welding Machinery and Equipment Manufacturers and Market Share

4.5.1 China Based Welding Machinery and Equipment Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Welding Machinery and Equipment Production Value (2021-2026)

4.5.3 China Based Manufacturers Welding Machinery and Equipment Production (2021-2026)

4.6 Rest of World Based Welding Machinery and Equipment Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Welding Machinery and Equipment Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Welding Machinery and Equipment Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Welding Machinery and Equipment Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Welding Machinery and Equipment Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Arc Welding

5.2.2 Resistance Welding

5.2.3 Laser Welding

5.2.4 Others

5.3 Market Segment by Type

5.3.1 World Welding Machinery and Equipment Production by Type (2021-2032)

5.3.2 World Welding Machinery and Equipment Production Value by Type (2021-2032)

5.3.3 World Welding Machinery and Equipment Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY AUTOMATION

6.1 World Welding Machinery and Equipment Market Size Overview by Automation: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Automation

6.2.1 Manual Welding

6.2.2 Automatic Welding

6.3 Market Segment by Automation

6.3.1 World Welding Machinery and Equipment Production by Automation (2021-2032)

6.3.2 World Welding Machinery and Equipment Production Value by Automation (2021-2032)

6.3.3 World Welding Machinery and Equipment Average Price by Automation (2021-2032)

7 MARKET ANALYSIS BY POWER SOURCE

7.1 World Welding Machinery and Equipment Market Size Overview by Power Source: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Power Source

7.2.1 AC Welding

7.2.2 DC Welding

7.3 Market Segment by Power Source

7.3.1 World Welding Machinery and Equipment Production by Power Source (2021-2032)

7.3.2 World Welding Machinery and Equipment Production Value by Power Source (2021-2032)

7.3.3 World Welding Machinery and Equipment Average Price by Power Source (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Welding Machinery and Equipment Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

- 8.2.1 Construction
- 8.2.2 Automotive
- 8.2.3 Heavy Equipment
- 8.2.4 Electronics and Precision Manufacturing
- 8.2.5 Energy and Chemical
- 8.2.6 Transport
- 8.2.7 Others

8.3 Market Segment by Application

- 8.3.1 World Welding Machinery and Equipment Production by Application (2021-2032)
- 8.3.2 World Welding Machinery and Equipment Production Value by Application (2021-2032)
- 8.3.3 World Welding Machinery and Equipment Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 ESAB

- 9.1.1 ESAB Details
- 9.1.2 ESAB Major Business
- 9.1.3 ESAB Welding Machinery and Equipment Product and Services
- 9.1.4 ESAB Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.1.5 ESAB Recent Developments/Updates
- 9.1.6 ESAB Competitive Strengths & Weaknesses

9.2 Lincoln Electric

- 9.2.1 Lincoln Electric Details
- 9.2.2 Lincoln Electric Major Business
- 9.2.3 Lincoln Electric Welding Machinery and Equipment Product and Services
- 9.2.4 Lincoln Electric Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 Lincoln Electric Recent Developments/Updates
- 9.2.6 Lincoln Electric Competitive Strengths & Weaknesses

9.3 Illinois Tool Works

- 9.3.1 Illinois Tool Works Details
- 9.3.2 Illinois Tool Works Major Business
- 9.3.3 Illinois Tool Works Welding Machinery and Equipment Product and Services
- 9.3.4 Illinois Tool Works Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.3.5 Illinois Tool Works Recent Developments/Updates

9.3.6 Illinois Tool Works Competitive Strengths & Weaknesses

9.4 Daihen

9.4.1 Daihen Details

9.4.2 Daihen Major Business

9.4.3 Daihen Welding Machinery and Equipment Product and Services

9.4.4 Daihen Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.4.5 Daihen Recent Developments/Updates

9.4.6 Daihen Competitive Strengths & Weaknesses

9.5 Panasonic

9.5.1 Panasonic Details

9.5.2 Panasonic Major Business

9.5.3 Panasonic Welding Machinery and Equipment Product and Services

9.5.4 Panasonic Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.5.5 Panasonic Recent Developments/Updates

9.5.6 Panasonic Competitive Strengths & Weaknesses

9.6 Stanley Black & Decker

9.6.1 Stanley Black & Decker Details

9.6.2 Stanley Black & Decker Major Business

9.6.3 Stanley Black & Decker Welding Machinery and Equipment Product and Services

9.6.4 Stanley Black & Decker Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.6.5 Stanley Black & Decker Recent Developments/Updates

9.6.6 Stanley Black & Decker Competitive Strengths & Weaknesses

9.7 Fronius International

9.7.1 Fronius International Details

9.7.2 Fronius International Major Business

9.7.3 Fronius International Welding Machinery and Equipment Product and Services

9.7.4 Fronius International Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.7.5 Fronius International Recent Developments/Updates

9.7.6 Fronius International Competitive Strengths & Weaknesses

9.8 Carl Cloos Schweisstechnik

9.8.1 Carl Cloos Schweisstechnik Details

9.8.2 Carl Cloos Schweisstechnik Major Business

9.8.3 Carl Cloos Schweisstechnik Welding Machinery and Equipment Product and

Services

9.8.4 Carl Cloos Schweisstechnik Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.8.5 Carl Cloos Schweisstechnik Recent Developments/Updates

9.8.6 Carl Cloos Schweisstechnik Competitive Strengths & Weaknesses

9.9 Hugong

9.9.1 Hugong Details

9.9.2 Hugong Major Business

9.9.3 Hugong Welding Machinery and Equipment Product and Services

9.9.4 Hugong Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.9.5 Hugong Recent Developments/Updates

9.9.6 Hugong Competitive Strengths & Weaknesses

9.10 Jasic Technology

9.10.1 Jasic Technology Details

9.10.2 Jasic Technology Major Business

9.10.3 Jasic Technology Welding Machinery and Equipment Product and Services

9.10.4 Jasic Technology Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.10.5 Jasic Technology Recent Developments/Updates

9.10.6 Jasic Technology Competitive Strengths & Weaknesses

9.11 Kende

9.11.1 Kende Details

9.11.2 Kende Major Business

9.11.3 Kende Welding Machinery and Equipment Product and Services

9.11.4 Kende Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.11.5 Kende Recent Developments/Updates

9.11.6 Kende Competitive Strengths & Weaknesses

9.12 Kemppi

9.12.1 Kemppi Details

9.12.2 Kemppi Major Business

9.12.3 Kemppi Welding Machinery and Equipment Product and Services

9.12.4 Kemppi Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.12.5 Kemppi Recent Developments/Updates

9.12.6 Kemppi Competitive Strengths & Weaknesses

9.13 Riland

9.13.1 Riland Details

- 9.13.2 Riland Major Business
- 9.13.3 Riland Welding Machinery and Equipment Product and Services
- 9.13.4 Riland Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.13.5 Riland Recent Developments/Updates
- 9.13.6 Riland Competitive Strengths & Weaknesses
- 9.14 Hutong
 - 9.14.1 Hutong Details
 - 9.14.2 Hutong Major Business
 - 9.14.3 Hutong Welding Machinery and Equipment Product and Services
 - 9.14.4 Hutong Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.14.5 Hutong Recent Developments/Updates
 - 9.14.6 Hutong Competitive Strengths & Weaknesses
- 9.15 Aotai Electric
 - 9.15.1 Aotai Electric Details
 - 9.15.2 Aotai Electric Major Business
 - 9.15.3 Aotai Electric Welding Machinery and Equipment Product and Services
 - 9.15.4 Aotai Electric Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.15.5 Aotai Electric Recent Developments/Updates
 - 9.15.6 Aotai Electric Competitive Strengths & Weaknesses
- 9.16 Denyo
 - 9.16.1 Denyo Details
 - 9.16.2 Denyo Major Business
 - 9.16.3 Denyo Welding Machinery and Equipment Product and Services
 - 9.16.4 Denyo Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.16.5 Denyo Recent Developments/Updates
 - 9.16.6 Denyo Competitive Strengths & Weaknesses
- 9.17 Telwin
 - 9.17.1 Telwin Details
 - 9.17.2 Telwin Major Business
 - 9.17.3 Telwin Welding Machinery and Equipment Product and Services
 - 9.17.4 Telwin Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.17.5 Telwin Recent Developments/Updates
 - 9.17.6 Telwin Competitive Strengths & Weaknesses
- 9.18 Beijing Time Technologies

- 9.18.1 Beijing Time Technologies Details
- 9.18.2 Beijing Time Technologies Major Business
- 9.18.3 Beijing Time Technologies Welding Machinery and Equipment Product and Services
- 9.18.4 Beijing Time Technologies Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.18.5 Beijing Time Technologies Recent Developments/Updates
- 9.18.6 Beijing Time Technologies Competitive Strengths & Weaknesses
- 9.19 Kaierda
 - 9.19.1 Kaierda Details
 - 9.19.2 Kaierda Major Business
 - 9.19.3 Kaierda Welding Machinery and Equipment Product and Services
 - 9.19.4 Kaierda Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.19.5 Kaierda Recent Developments/Updates
 - 9.19.6 Kaierda Competitive Strengths & Weaknesses
- 9.20 CEA Weld
 - 9.20.1 CEA Weld Details
 - 9.20.2 CEA Weld Major Business
 - 9.20.3 CEA Weld Welding Machinery and Equipment Product and Services
 - 9.20.4 CEA Weld Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.20.5 CEA Weld Recent Developments/Updates
 - 9.20.6 CEA Weld Competitive Strengths & Weaknesses
- 9.21 Aitel Welder
 - 9.21.1 Aitel Welder Details
 - 9.21.2 Aitel Welder Major Business
 - 9.21.3 Aitel Welder Welding Machinery and Equipment Product and Services
 - 9.21.4 Aitel Welder Welding Machinery and Equipment Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.21.5 Aitel Welder Recent Developments/Updates
 - 9.21.6 Aitel Welder Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Welding Machinery and Equipment Industry Chain
- 10.2 Welding Machinery and Equipment Upstream Analysis
 - 10.2.1 Welding Machinery and Equipment Core Raw Materials
 - 10.2.2 Main Manufacturers of Welding Machinery and Equipment Core Raw Materials

10.3 Midstream Analysis

10.4 Downstream Analysis

10.5 Welding Machinery and Equipment Production Mode

10.6 Welding Machinery and Equipment Procurement Model

10.7 Welding Machinery and Equipment Industry Sales Model and Sales Channels

10.7.1 Welding Machinery and Equipment Sales Model

10.7.2 Welding Machinery and Equipment Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

12.1 Methodology

12.2 Research Process and Data Source

12.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Welding Machinery and Equipment Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Welding Machinery and Equipment Production Value by Region (2021-2026) & (USD Million)

Table 3. World Welding Machinery and Equipment Production Value by Region (2027-2032) & (USD Million)

Table 4. World Welding Machinery and Equipment Production Value Market Share by Region (2021-2026)

Table 5. World Welding Machinery and Equipment Production Value Market Share by Region (2027-2032)

Table 6. World Welding Machinery and Equipment Production by Region (2021-2026) & (K Units)

Table 7. World Welding Machinery and Equipment Production by Region (2027-2032) & (K Units)

Table 8. World Welding Machinery and Equipment Production Market Share by Region (2021-2026)

Table 9. World Welding Machinery and Equipment Production Market Share by Region (2027-2032)

Table 10. World Welding Machinery and Equipment Average Price by Region (2021-2026) & (US\$/Unit)

Table 11. World Welding Machinery and Equipment Average Price by Region (2027-2032) & (US\$/Unit)

Table 12. Welding Machinery and Equipment Major Market Trends

Table 13. World Welding Machinery and Equipment Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Units)

Table 14. World Welding Machinery and Equipment Consumption by Region (2021-2026) & (K Units)

Table 15. World Welding Machinery and Equipment Consumption Forecast by Region (2027-2032) & (K Units)

Table 16. World Welding Machinery and Equipment Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Welding Machinery and Equipment Producers in 2025

Table 18. World Welding Machinery and Equipment Production by Manufacturer (2021-2026) & (K Units)

Table 19. Production Market Share of Key Welding Machinery and Equipment Producers in 2025

Table 20. World Welding Machinery and Equipment Average Price by Manufacturer (2021-2026) & (US\$/Unit)

Table 21. Global Welding Machinery and Equipment Company Evaluation Quadrant

Table 22. World Welding Machinery and Equipment Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Welding Machinery and Equipment Production Site of Key Manufacturer

Table 24. Welding Machinery and Equipment Market: Company Product Type Footprint

Table 25. Welding Machinery and Equipment Market: Company Product Application Footprint

Table 26. Welding Machinery and Equipment Competitive Factors

Table 27. Welding Machinery and Equipment New Entrant and Capacity Expansion Plans

Table 28. Welding Machinery and Equipment Mergers & Acquisitions Activity

Table 29. United States VS China Welding Machinery and Equipment Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Welding Machinery and Equipment Production Comparison, (2021 & 2025 & 2032) & (K Units)

Table 31. United States VS China Welding Machinery and Equipment Consumption Comparison, (2021 & 2025 & 2032) & (K Units)

Table 32. United States Based Welding Machinery and Equipment Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Welding Machinery and Equipment Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Welding Machinery and Equipment Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Welding Machinery and Equipment Production (2021-2026) & (K Units)

Table 36. United States Based Manufacturers Welding Machinery and Equipment Production Market Share (2021-2026)

Table 37. China Based Welding Machinery and Equipment Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Welding Machinery and Equipment Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Welding Machinery and Equipment Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Welding Machinery and Equipment Production,

(2021-2026) & (K Units)

Table 41. China Based Manufacturers Welding Machinery and Equipment Production Market Share (2021-2026)

Table 42. Rest of World Based Welding Machinery and Equipment Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Welding Machinery and Equipment Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Welding Machinery and Equipment Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Welding Machinery and Equipment Production, (2021-2026) & (K Units)

Table 46. Rest of World Based Manufacturers Welding Machinery and Equipment Production Market Share (2021-2026)

Table 47. World Welding Machinery and Equipment Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Welding Machinery and Equipment Production by Type (2021-2026) & (K Units)

Table 49. World Welding Machinery and Equipment Production by Type (2027-2032) & (K Units)

Table 50. World Welding Machinery and Equipment Production Value by Type (2021-2026) & (USD Million)

Table 51. World Welding Machinery and Equipment Production Value by Type (2027-2032) & (USD Million)

Table 52. World Welding Machinery and Equipment Average Price by Type (2021-2026) & (US\$/Unit)

Table 53. World Welding Machinery and Equipment Average Price by Type (2027-2032) & (US\$/Unit)

Table 54. World Welding Machinery and Equipment Production Value by Automation, (USD Million), 2021 & 2025 & 2032

Table 55. World Welding Machinery and Equipment Production by Automation (2021-2026) & (K Units)

Table 56. World Welding Machinery and Equipment Production by Automation (2027-2032) & (K Units)

Table 57. World Welding Machinery and Equipment Production Value by Automation (2021-2026) & (USD Million)

Table 58. World Welding Machinery and Equipment Production Value by Automation (2027-2032) & (USD Million)

Table 59. World Welding Machinery and Equipment Average Price by Automation (2021-2026) & (US\$/Unit)

Table 60. World Welding Machinery and Equipment Average Price by Automation (2027-2032) & (US\$/Unit)

Table 61. World Welding Machinery and Equipment Production Value by Power Source, (USD Million), 2021 & 2025 & 2032

Table 62. World Welding Machinery and Equipment Production by Power Source (2021-2026) & (K Units)

Table 63. World Welding Machinery and Equipment Production by Power Source (2027-2032) & (K Units)

Table 64. World Welding Machinery and Equipment Production Value by Power Source (2021-2026) & (USD Million)

Table 65. World Welding Machinery and Equipment Production Value by Power Source (2027-2032) & (USD Million)

Table 66. World Welding Machinery and Equipment Average Price by Power Source (2021-2026) & (US\$/Unit)

Table 67. World Welding Machinery and Equipment Average Price by Power Source (2027-2032) & (US\$/Unit)

Table 68. World Welding Machinery and Equipment Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 69. World Welding Machinery and Equipment Production by Application (2021-2026) & (K Units)

Table 70. World Welding Machinery and Equipment Production by Application (2027-2032) & (K Units)

Table 71. World Welding Machinery and Equipment Production Value by Application (2021-2026) & (USD Million)

Table 72. World Welding Machinery and Equipment Production Value by Application (2027-2032) & (USD Million)

Table 73. World Welding Machinery and Equipment Average Price by Application (2021-2026) & (US\$/Unit)

Table 74. World Welding Machinery and Equipment Average Price by Application (2027-2032) & (US\$/Unit)

Table 75. ESAB Basic Information, Manufacturing Base and Competitors

Table 76. ESAB Major Business

Table 77. ESAB Welding Machinery and Equipment Product and Services

Table 78. ESAB Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. ESAB Recent Developments/Updates

Table 80. ESAB Competitive Strengths & Weaknesses

Table 81. Lincoln Electric Basic Information, Manufacturing Base and Competitors

Table 82. Lincoln Electric Major Business

Table 83. Lincoln Electric Welding Machinery and Equipment Product and Services

Table 84. Lincoln Electric Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Lincoln Electric Recent Developments/Updates

Table 86. Lincoln Electric Competitive Strengths & Weaknesses

Table 87. Illinois Tool Works Basic Information, Manufacturing Base and Competitors

Table 88. Illinois Tool Works Major Business

Table 89. Illinois Tool Works Welding Machinery and Equipment Product and Services

Table 90. Illinois Tool Works Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Illinois Tool Works Recent Developments/Updates

Table 92. Illinois Tool Works Competitive Strengths & Weaknesses

Table 93. Daihen Basic Information, Manufacturing Base and Competitors

Table 94. Daihen Major Business

Table 95. Daihen Welding Machinery and Equipment Product and Services

Table 96. Daihen Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. Daihen Recent Developments/Updates

Table 98. Daihen Competitive Strengths & Weaknesses

Table 99. Panasonic Basic Information, Manufacturing Base and Competitors

Table 100. Panasonic Major Business

Table 101. Panasonic Welding Machinery and Equipment Product and Services

Table 102. Panasonic Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 103. Panasonic Recent Developments/Updates

Table 104. Panasonic Competitive Strengths & Weaknesses

Table 105. Stanley Black & Decker Basic Information, Manufacturing Base and Competitors

Table 106. Stanley Black & Decker Major Business

Table 107. Stanley Black & Decker Welding Machinery and Equipment Product and Services

Table 108. Stanley Black & Decker Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 109. Stanley Black & Decker Recent Developments/Updates
Table 110. Stanley Black & Decker Competitive Strengths & Weaknesses
Table 111. Fronius International Basic Information, Manufacturing Base and Competitors
Table 112. Fronius International Major Business
Table 113. Fronius International Welding Machinery and Equipment Product and Services
Table 114. Fronius International Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 115. Fronius International Recent Developments/Updates
Table 116. Fronius International Competitive Strengths & Weaknesses
Table 117. Carl Cloos Schweisstechnik Basic Information, Manufacturing Base and Competitors
Table 118. Carl Cloos Schweisstechnik Major Business
Table 119. Carl Cloos Schweisstechnik Welding Machinery and Equipment Product and Services
Table 120. Carl Cloos Schweisstechnik Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 121. Carl Cloos Schweisstechnik Recent Developments/Updates
Table 122. Carl Cloos Schweisstechnik Competitive Strengths & Weaknesses
Table 123. Hugong Basic Information, Manufacturing Base and Competitors
Table 124. Hugong Major Business
Table 125. Hugong Welding Machinery and Equipment Product and Services
Table 126. Hugong Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 127. Hugong Recent Developments/Updates
Table 128. Hugong Competitive Strengths & Weaknesses
Table 129. Jasic Technology Basic Information, Manufacturing Base and Competitors
Table 130. Jasic Technology Major Business
Table 131. Jasic Technology Welding Machinery and Equipment Product and Services
Table 132. Jasic Technology Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 133. Jasic Technology Recent Developments/Updates
Table 134. Jasic Technology Competitive Strengths & Weaknesses
Table 135. Kende Basic Information, Manufacturing Base and Competitors

Table 136. Kende Major Business

Table 137. Kende Welding Machinery and Equipment Product and Services

Table 138. Kende Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 139. Kende Recent Developments/Updates

Table 140. Kende Competitive Strengths & Weaknesses

Table 141. Kemppi Basic Information, Manufacturing Base and Competitors

Table 142. Kemppi Major Business

Table 143. Kemppi Welding Machinery and Equipment Product and Services

Table 144. Kemppi Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 145. Kemppi Recent Developments/Updates

Table 146. Kemppi Competitive Strengths & Weaknesses

Table 147. Riland Basic Information, Manufacturing Base and Competitors

Table 148. Riland Major Business

Table 149. Riland Welding Machinery and Equipment Product and Services

Table 150. Riland Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 151. Riland Recent Developments/Updates

Table 152. Riland Competitive Strengths & Weaknesses

Table 153. Hutong Basic Information, Manufacturing Base and Competitors

Table 154. Hutong Major Business

Table 155. Hutong Welding Machinery and Equipment Product and Services

Table 156. Hutong Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 157. Hutong Recent Developments/Updates

Table 158. Hutong Competitive Strengths & Weaknesses

Table 159. Aotai Electric Basic Information, Manufacturing Base and Competitors

Table 160. Aotai Electric Major Business

Table 161. Aotai Electric Welding Machinery and Equipment Product and Services

Table 162. Aotai Electric Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 163. Aotai Electric Recent Developments/Updates

Table 164. Aotai Electric Competitive Strengths & Weaknesses

Table 165. Denyo Basic Information, Manufacturing Base and Competitors
Table 166. Denyo Major Business
Table 167. Denyo Welding Machinery and Equipment Product and Services
Table 168. Denyo Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 169. Denyo Recent Developments/Updates
Table 170. Denyo Competitive Strengths & Weaknesses
Table 171. Telwin Basic Information, Manufacturing Base and Competitors
Table 172. Telwin Major Business
Table 173. Telwin Welding Machinery and Equipment Product and Services
Table 174. Telwin Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 175. Telwin Recent Developments/Updates
Table 176. Telwin Competitive Strengths & Weaknesses
Table 177. Beijing Time Technologies Basic Information, Manufacturing Base and Competitors
Table 178. Beijing Time Technologies Major Business
Table 179. Beijing Time Technologies Welding Machinery and Equipment Product and Services
Table 180. Beijing Time Technologies Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 181. Beijing Time Technologies Recent Developments/Updates
Table 182. Beijing Time Technologies Competitive Strengths & Weaknesses
Table 183. Kaierda Basic Information, Manufacturing Base and Competitors
Table 184. Kaierda Major Business
Table 185. Kaierda Welding Machinery and Equipment Product and Services
Table 186. Kaierda Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 187. Kaierda Recent Developments/Updates
Table 188. Kaierda Competitive Strengths & Weaknesses
Table 189. CEA Weld Basic Information, Manufacturing Base and Competitors
Table 190. CEA Weld Major Business
Table 191. CEA Weld Welding Machinery and Equipment Product and Services
Table 192. CEA Weld Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 193. CEA Weld Recent Developments/Updates

Table 194. CEA Weld Competitive Strengths & Weaknesses

Table 195. Aitel Welder Basic Information, Manufacturing Base and Competitors

Table 196. Aitel Welder Major Business

Table 197. Aitel Welder Welding Machinery and Equipment Product and Services

Table 198. Aitel Welder Welding Machinery and Equipment Production (K Units), Price (US\$/Unit), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 199. Aitel Welder Recent Developments/Updates

Table 200. Aitel Welder Competitive Strengths & Weaknesses

Table 201. Global Key Players of Welding Machinery and Equipment Upstream (Raw Materials)

Table 202. Global Welding Machinery and Equipment Typical Customers

Table 203. Welding Machinery and Equipment Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Welding Machinery and Equipment Picture

Figure 2. World Welding Machinery and Equipment Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Welding Machinery and Equipment Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Welding Machinery and Equipment Production (2021-2032) & (K Units)

Figure 5. World Welding Machinery and Equipment Average Price (2021-2032) & (US\$/Unit)

Figure 6. World Welding Machinery and Equipment Production Value Market Share by Region (2021-2032)

Figure 7. World Welding Machinery and Equipment Production Market Share by Region (2021-2032)

Figure 8. North America Welding Machinery and Equipment Production (2021-2032) & (K Units)

Figure 9. Europe Welding Machinery and Equipment Production (2021-2032) & (K Units)

Figure 10. China Welding Machinery and Equipment Production (2021-2032) & (K Units)

Figure 11. Japan Welding Machinery and Equipment Production (2021-2032) & (K Units)

Figure 12. Welding Machinery and Equipment Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Welding Machinery and Equipment Consumption (2021-2032) & (K Units)

Figure 15. World Welding Machinery and Equipment Consumption Market Share by Region (2021-2032)

Figure 16. United States Welding Machinery and Equipment Consumption (2021-2032) & (K Units)

Figure 17. China Welding Machinery and Equipment Consumption (2021-2032) & (K Units)

Figure 18. Europe Welding Machinery and Equipment Consumption (2021-2032) & (K Units)

Figure 19. Japan Welding Machinery and Equipment Consumption (2021-2032) & (K Units)

Figure 20. South Korea Welding Machinery and Equipment Consumption (2021-2032) &

(K Units)

Figure 21. ASEAN Welding Machinery and Equipment Consumption (2021-2032) & (K Units)

Figure 22. India Welding Machinery and Equipment Consumption (2021-2032) & (K Units)

Figure 23. Producer Shipments of Welding Machinery and Equipment by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Welding Machinery and Equipment Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Welding Machinery and Equipment Markets in 2025

Figure 26. United States VS China: Welding Machinery and Equipment Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Welding Machinery and Equipment Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Welding Machinery and Equipment Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Welding Machinery and Equipment Production Market Share 2025

Figure 30. China Based Manufacturers Welding Machinery and Equipment Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Welding Machinery and Equipment Production Market Share 2025

Figure 32. World Welding Machinery and Equipment Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Welding Machinery and Equipment Production Value Market Share by Type in 2025

Figure 34. Arc Welding

Figure 35. Resistance Welding

Figure 36. Laser Welding

Figure 37. Others

Figure 38. World Welding Machinery and Equipment Production Market Share by Type (2021-2032)

Figure 39. World Welding Machinery and Equipment Production Value Market Share by Type (2021-2032)

Figure 40. World Welding Machinery and Equipment Average Price by Type (2021-2032) & (US\$/Unit)

Figure 41. World Welding Machinery and Equipment Production Value by Automation, (USD Million), 2021 & 2025 & 2032

Figure 42. World Welding Machinery and Equipment Production Value Market Share by Automation in 2025

Figure 43. Manual Welding

Figure 44. Automatic Welding

Figure 45. World Welding Machinery and Equipment Production Market Share by Automation (2021-2032)

Figure 46. World Welding Machinery and Equipment Production Value Market Share by Automation (2021-2032)

Figure 47. World Welding Machinery and Equipment Average Price by Automation (2021-2032) & (US\$/Unit)

Figure 48. World Welding Machinery and Equipment Production Value by Power Source, (USD Million), 2021 & 2025 & 2032

Figure 49. World Welding Machinery and Equipment Production Value Market Share by Power Source in 2025

Figure 50. AC Welding

Figure 51. DC Welding

Figure 52. World Welding Machinery and Equipment Production Market Share by Power Source (2021-2032)

Figure 53. World Welding Machinery and Equipment Production Value Market Share by Power Source (2021-2032)

Figure 54. World Welding Machinery and Equipment Average Price by Power Source (2021-2032) & (US\$/Unit)

Figure 55. World Welding Machinery and Equipment Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 56. World Welding Machinery and Equipment Production Value Market Share by Application in 2025

Figure 57. Construction

Figure 58. Automotive

Figure 59. Heavy Equipment

Figure 60. Electronics and Precision Manufacturing

Figure 61. Energy and Chemical

Figure 62. Transport

Figure 63. Others

Figure 64. World Welding Machinery and Equipment Production Market Share by Application (2021-2032)

Figure 65. World Welding Machinery and Equipment Production Value Market Share by Application (2021-2032)

Figure 66. World Welding Machinery and Equipment Average Price by Application (2021-2032) & (US\$/Unit)

Figure 67. Welding Machinery and Equipment Industry Chain

Figure 68. Welding Machinery and Equipment Procurement Model

Figure 69. Welding Machinery and Equipment Sales Model

Figure 70. Welding Machinery and Equipment Sales Channels, Direct Sales, and Distribution

Figure 71. Methodology

Figure 72. Research Process and Data Source

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