

Arc Welding Market Size, Share & Trends Analysis Report By Product type (Equipment, Consumables), By End Use (Aerospace, Transportation, Building & Construction, Energy, Oil & Gas, Shipbuilding, Agriculture & Heavy Equipment), By Region, And Segment Forecasts, 2026 - 2033

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Abstracts

Arc Welding Market Summary

The global arc welding market size was valued at USD 25.7 billion in 2025 and is projected to reach USD 41.2 billion by 2033, growing at a CAGR of 6.1% from 2026 to 2033. Market growth is primarily driven by strong demand from the construction, automotive, shipbuilding, and heavy manufacturing industries for reliable, efficient metal-joining solutions.

Expansion of infrastructure projects, increasing industrial fabrication activities, and wider adoption of automated and inverter-based welding equipment are contributing to higher utilization of arc welding systems across industrial applications.

Expansion of industrial manufacturing, infrastructure development, and metal fabrication activities across sectors such as construction, transportation, shipbuilding, and energy is increasing the demand for arc welding equipment worldwide. Industries are focusing on improving welding precision, operational efficiency, and production capacity through the adoption of advanced welding technologies and automated systems. Additionally, manufacturers are integrating inverter-based equipment, robotic welding solutions, and digitally controlled welding processes to achieve better weld consistency, lower energy consumption, and reduced material defects. The growing preference for high-

performance welding systems capable of meeting complex fabrication requirements is further driving market expansion.

Global Arc Welding Market Report Segmentation

This report forecasts revenue growth at global, regional & country levels and provides an analysis on the industry trends in each of the sub-segments from 2021 to 2033. For the purpose of this study, Grand View Research has segmented the arc welding market on the basis of product type, end use, and region:

Product Type Outlook (Revenue, USD Billion; Volume, Units & Kilo Tons; 2021 - 2033)

Equipment

Shielded Metal/Stick Arc Welding

MIG

Up to 300 amps

Above 300 amps

TIG

Submerged Arc Welding

Flux Cored Welding

Plasma Cutting Systems

Gas & Diesel Engine Drive

Others

Consumables

Stick Electrodes

Solid MIG Wires

Solid TIG Cut Length

Flux-Cored Wires

Saw Wires and Fluxes

Others

End Use Outlook (Revenue, USD Billion; Volume, Units & Kilo Tons; 2021 - 2033)

Equipment by End Use

Aerospace

Transportation

Building & Construction

Energy

Oil & Gas

Shipbuilding

Agriculture & Heavy Equipment

Others

Consumables by End Use

Aerospace

Transportation

Building & Construction

Energy

Oil & Gas

Shipbuilding

Agriculture & Heavy Equipment

Others

Regional Outlook (Revenue, USD Billion; Volume, Units & Kilo Tons; 2021 - 2033)

North America

U.S.

Canada

Mexico

Europe

Germany

UK

France

Spain

Italy

Asia Pacific

China

India

Japan

South Korea

Australia

Latin America

Brazil

Northern Latin America

Southern Latin America

Middle East & Africa

Saudi Arabia

South Africa

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