

Arc Welding Equipment Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)

Market Report | 2025-08-12 | 172 pages | EMR Inc.

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Report description:

The global arc welding equipment market size reached around USD 4.76 Billion in 2024 . The market is projected to grow at a CAGR of 6.10% between 2025 and 2034 to reach nearly USD 8.61 Billion by 2034 .

Growing Industrialisation Aiding the Growth of the Asia Pacific Market for Arc Welding Equipment

The Asia Pacific is expected to dominate the global arc welding equipment industry over the forecast period. This can be correlated to the rapid industrialisation in the developing countries of the Asia Pacific. China and India are predicted to fuel the growth of the arc welding equipment industry owing to the increasing number of infrastructural developments. The market in the Asia Pacific is further aided by the growing demand for metalwork operations in shipbuilding and fabrication.

Apart from the Asia Pacific, North America and Europe are predicted to witness significant growth in the arc welding equipment industry. The United States of America and Canada are expected to dominate within North America. United Kingdom, Germany, Italy, and France are predicted to be the major markets for the product in Europe owing to the automation advancements in the countries. The rising inclination towards renewable energy sources requires the installation of solar and hybrid power stations. This is expected to aid the arc welding equipment industry growth over the forecast period.

Arc Welding Equipment: Market Segmentation

Arc welding is a welding process that employs electricity to join metal to metal by generating heat sufficient to melt the metals. A power supply is used to create an arc between a metal stick (electrode) and the base material to melt the metals at the point of contact.

Based on the process, the market is classified into:

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- Shielded Metal Arc Welding
- Gas Metal Arc Welding
- Flux Core Arc Welding
- Gas Tungsten Arc Welding
- Submerged Arc Welding

Based on the level of automation, the market is categorised into:

- Manual
- Automatic
- Semi-Automatic

Based on gases, the market is divided into:

- Argon
- Helium
- Hydrogen
- Carbon Dioxide
- Oxygen
- Nitrogen
- Others

Based on application, the market is segmented into:

- Energy and Utilities
- Automotive
- Construction
- Aerospace and Defence
- Shipbuilding
- Others

The EMR report looks into the regional markets of:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

Rise in Automation to Drive the Global Market Growth for Arc Welding Equipment

The market is being driven by a significant rise in demand for automated or robotic arc welding equipment due to a shortage of skilled labour in the manufacturing and processing industry. Governments are spending a massive amount on the expansion of national infrastructure. The rise in the number of construction projects is expected to bolster the product's demand. Arc welding equipment is also used in shipbuilding, manufacture of steel structures, aerospace, and defence. The installation of power-grid equipment for the generation of renewable energy provides a promising opportunity for the growth of the arc welding equipment

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industry. The adoption of automated arc welding equipment in the automotive industry to meet the increasing demand for passenger cars across the globe is further aiding the market growth.

Key Industry Players in the Global Arc Welding Equipment Market

The report presents a detailed analysis of the following key players in the global arc welding equipment market, looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Colfax Corporation
- Telwin Spa
- The Lincoln Electric Company
- Air Liquide S.A
- Arcon Welding Equipment
- Automation International Inc.
- Miller Electric Mfg. LLC
- Others

The comprehensive report looks into the macro and micro aspects of the industry. The EMR report gives an in-depth insight into the market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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