

# Global Air-cooled Handheld Welding Machine Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G01DC585AE5BEN.html>

Date: January 2026

Pages: 141

Price: US\$ 4,480.00 (Single User License)

ID: G01DC585AE5BEN

## Abstracts

The global Air-cooled Handheld Welding Machine market size is expected to reach \$ 1245 million by 2032, rising at a market growth of 11.8% CAGR during the forecast period (2026-2032).

In 2025, global sales of air-cooled handheld welding machines reached 115,000 units, with an average selling price of US\$4,800. Air-cooled handheld welding machines are miniaturized laser welding equipment with fiber lasers as the core and air cooling for heat dissipation. They are characterized by compact structure, plug-and-play, flexible operation and low maintenance costs. They are mainly used for rapid welding of thin sheet metal and precision parts, and are widely used in sheet metal processing, stainless steel products, home appliances, kitchen and bathroom products, hardware, advertising signage and small and medium-sized manufacturing enterprises. Its upstream raw materials and core components include fiber lasers, welding heads, air-cooled modules, power systems, control boards, and structural parts. On average, a single unit consumes one laser, approximately 45 kg of aluminum alloy and steel structural parts, and 12 kg of electronic components. Downstream, it mainly supplies small and medium-sized metal processing plants and equipment integrators, with sheet metal and hardware accounting for 42%, home appliances and kitchen and bathroom products accounting for 28%, and the advertising and repair market accounting for 30%. The global total production capacity is approximately 180,000 units per year, and the industry's average gross profit margin is approximately 30%-40%. In terms of downstream consumption, new equipment purchases account for 70%, while equipment upgrades and replacements account for 30%. The future lies in higher beam quality, lighter handheld structures, and intelligent weld seam control. Driven by cost reduction and efficiency improvement in the manufacturing industry, the replacement of traditional argon arc welding, and the automation upgrade of small and medium-sized enterprises,

the demand for air-cooled handheld welding machines is rapidly increasing, possessing high growth potential and opportunities for large-scale expansion.

This report studies the global Air-cooled Handheld Welding Machine production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Air-cooled Handheld Welding Machine 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 Air-cooled Handheld Welding Machine that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Air-cooled Handheld Welding Machine total production and demand, 2021-2032, (K Units)

Global Air-cooled Handheld Welding Machine total production value, 2021-2032, (USD Million)

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

Global Air-cooled Handheld Welding Machine consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Air-cooled Handheld Welding Machine domestic production, consumption, key domestic manufacturers and share

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

Global Air-cooled Handheld Welding Machine production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Air-cooled Handheld Welding Machine production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Air-cooled Handheld Welding Machine 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 HiSpeed Laser, AccTek Group, Hanslaser, BCAMCNC, DP Laser, Xintian Laser, QLTEK, Scotle, MINGLEI, BODOR, 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 Air-cooled Handheld Welding Machine 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 Air-cooled Handheld Welding Machine Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Air-cooled Handheld Welding Machine Market, Segmentation by Type:

MMA (Metal-Oxide-Shielded Metal Arc Welding)

TIG (Tungsten Inert Gas Welding)

MIG (Metal-Oxide-Magical Gas Welding)

### Global Air-cooled Handheld Welding Machine Market, Segmentation by Cooling System:

Forced Air Cooling

Intelligent Temperature Control

Dual Fan System

### Global Air-cooled Handheld Welding Machine Market, Segmentation by Power Technology:

Inverter MOSFET

Inverter IGBT

Dual Inverter/Soft Switching

Digital DSP Control

### Global Air-cooled Handheld Welding Machine Market, Segmentation by Application:

Sheet Metal Processing

Advertising Signage

Automobile Manufacturing

Others

Companies Profiled:

HiSpeed Laser

AccTek Group

Hanslaser

BCAMCNC

DP Laser

Xintian Laser

QLTEK

Scotle

MINGLEI

BODOR

Kirin Laser

IPG Photonics Corporation

DMK Laser

Liaocheng Foster Laser Science & Technology Co., Ltd.

AOHUA

YOUSHUN

Megmeet

Key Questions Answered:

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

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