

Global DC TIG Welding Machine Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global DC TIG Welding Machine market size was valued at US\$ 707 million in 2024 and is forecast to a readjusted size of USD 1034 million by 2031 with a CAGR of 5.6% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

DC TIG welding machine is a tungsten inert gas welding (TIG welding) equipment powered by DC power supply. The DC TIG welding machine provides electrical energy through the DC power supply, and after adjustment by the control system, a stable arc is generated between the tungsten electrode and the workpiece. The high temperature of the arc causes the workpiece and the added welding material to melt, forming a weld seam. At the same time, inert gases (such as argon) enter the welding area through the gas path system to protect the molten pool from harmful gases such as oxygen and nitrogen in the air, thereby ensuring welding quality.

This report is a detailed and comprehensive analysis for global DC TIG Welding Machine market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global DC TIG Welding Machine market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global DC TIG Welding Machine market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global DC TIG Welding Machine market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global DC TIG Welding Machine market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries
- To assess the growth potential for DC TIG Welding Machine
- To forecast future growth in each product and end-use market
- To assess competitive factors affecting the marketplace

This report profiles key players in the global DC TIG Welding Machine market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Miller Electric, Panasonic, Lincoln, OTC, Fronius, Migatronix, GYS, Sansha Electric, Auweld, CEA Welding, etc.

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

Market Segmentation

DC TIG Welding Machine market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single Phase

Three Phase

Market segment by Application

Aerospace

Food and Beverage

Pharmaceutical and Bioengineering

Semiconductor

Nuclear Power

Others

Major players covered

Miller Electric

Panasonic

Lincoln

OTC

Fronius

Migatronix

GYS

Sansha Electric

Auweld

CEA Welding

DECA Weld

Arcraft Plasma

Riland

Jasic

Zhejiang Kende Mechanical and Electrical

Hugong

Aotai Electric

Shanghai WTL Welding Equipment Manufacture

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe DC TIG Welding Machine product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of DC TIG Welding Machine, with price, sales quantity, revenue, and global market share of DC TIG Welding Machine from 2020 to 2025.

Chapter 3, the DC TIG Welding Machine competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the DC TIG Welding Machine breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and DC TIG Welding Machine market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of DC TIG Welding Machine.

Chapter 14 and 15, to describe DC TIG Welding Machine sales channel, distributors, customers, research findings and conclusion.

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