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Global Mains-powered Electric Soldering Iron 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 Mains-powered Electric Soldering Iron market size was valued at US$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %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.

A mains-powered electric soldering iron is a tool used in electronic assembly and repair, designed to melt solder so it can flow into the joint between two workpieces, creating a reliable electrical connection. This type of soldering iron is plugged into a standard electrical outlet and powered by mains electricity, typically operating at voltages of 110-120V or 220-240V, depending on the region. It consists of a heated metal tip, which reaches temperatures high enough to melt solder, and a handle insulated to protect the user from heat and electrical shock. Mains-powered electric soldering irons are favored for their consistent heat output, which is essential for precision soldering tasks, and are commonly used in various applications, including electronics repair, circuit board assembly, and general electrical work. These tools often come with features such as adjustable temperature controls, interchangeable tips, and ergonomic designs to enhance their versatility and user-friendliness in both professional and hobbyist settings.

The market for mains-powered electric soldering irons remains robust and is poised for steady growth, driven by the increasing demand for electronic devices and the ongoing need for maintenance and repair services across various industries. These tools are indispensable in electronics manufacturing, DIY electronics, automotive repairs, and

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industrial applications, ensuring their widespread adoption. Currently, the market benefits from advancements in technology, such as temperature control features, energy-efficient designs, and ergonomic improvements, which enhance user experience and efficiency. Looking ahead, the future development trends for mains-powered electric soldering irons are likely to focus on further technological enhancements, including smart connectivity for precise temperature adjustments, integration with Internet of Things (IoT) systems for better process monitoring, and eco-friendly designs that reduce energy consumption. Additionally, the push towards miniaturization in electronics and the rise of advanced manufacturing techniques will spur innovation in soldering iron design, ensuring these tools can meet the evolving needs of high-precision and high-reliability applications. The market is expected to see sustained demand, driven by continuous advancements in electronics, increasing adoption in emerging markets, and the growing trend of DIY electronics and maker communities.

This report is a detailed and comprehensive analysis for global Mains-powered Electric Soldering Iron 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 Mains-powered Electric Soldering Iron market size and forecasts, in consumption value ($ Million), sales quantity (K Units), and average selling prices (US$/Unit), 2020-2031

Global Mains-powered Electric Soldering Iron 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 Mains-powered Electric Soldering Iron 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 Mains-powered Electric Soldering Iron market shares of main players, shipments in revenue ($ Million), sales quantity (K Units), and ASP (US$/Unit), 2020-2025

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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 Mains-powered Electric Soldering Iron
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 Mains-powered Electric Soldering Iron 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 Weller, HAKKO, Kurtz Ersa, JBC Tools, Stannol, DEN-ON, Sorny Roong, Antex Electronics, HSGM, RYOBI Tools, etc.

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

Market Segmentation

Mains-powered Electric Soldering Iron 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

Soldering Pencils

Soldering Guns

Soldering Stations

Market segment by Application

Electronics

Automotive

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Industrial

Others

Major players covered

Weller

HAKKO

Kurtz Ersa

JBC Tools

Stannol

DEN-ON

Sorny Roong

Antex Electronics

HSGM

RYOBI Tools

Proxxon

OK International

Pace

Velleman

Xytronic

TAIYO ELECTRIC

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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 Mains-powered Electric Soldering Iron product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Mains-powered Electric Soldering Iron, with price, sales quantity, revenue, and global market share of Mains-powered Electric Soldering Iron from 2020 to 2025.

Chapter 3, the Mains-powered Electric Soldering Iron competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Mains-powered Electric Soldering Iron 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 Mains-powered Electric Soldering Iron 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 Mains-

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powered Electric Soldering Iron.

Chapter 14 and 15, to describe Mains-powered Electric Soldering Iron sales channel, distributors, customers, research findings and conclusion.

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Figure 86. Research Process and Data Source

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