

Global Electrical Discharge Machining (EDM) 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 Electrical Discharge Machining (EDM) market size was valued at US\$ 2528 million in 2024 and is forecast to a readjusted size of USD 3797 million by 2031 with a CAGR of 6.1% during review period.

Electrical discharge machining (EDM), also known as spark machining, spark eroding, burning, die sinking, wire burning or wire erosion, is a manufacturing process whereby a desired shape is obtained by using electrical discharges (sparks). Material is removed from the work piece by a series of rapidly recurring current discharges between two electrodes, separated by a dielectric liquid and subject to an electric voltage. One of the electrodes is called the tool-electrode, or simply the 'tool' or 'electrode,' while the other is called the workpiece-electrode, or 'work piece.' The process depends upon the tool and work piece not making actual contact.

Global Electrical Discharge Machining (EDM) key players include Mitsubishi Electric, Sodick, GF Machining, Makino, FANUC, etc. Global top five manufacturers hold a revenue sales market share over 50%. Asia-Pacific accounts for the most market share, which have a share over 40%, followed by Europe. In terms of product, Sinker EDM is the largest segment, with a share over 55%. And in terms of application, the largest application is Automotive and Production Machinery, followed by Military and Aerospace.

This report is a detailed and comprehensive analysis for global Electrical Discharge Machining (EDM) 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 Electrical Discharge Machining (EDM) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Electrical Discharge Machining (EDM) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Electrical Discharge Machining (EDM) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (USD/Unit), 2020-2031

Global Electrical Discharge Machining (EDM) market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (USD/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 Electrical Discharge Machining (EDM)
- To forecast future growth in each product and end-use market
- To forecast future factors affecting the marketplace

This report profiles key players in the global Electrical Discharge Machining (EDM) 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 Mitsubishi Electric, Sodick, GF Machining, Makino, FANUC, CHMER EDM, ONA Electroerosion, OPS Ingesoll, Methods Machine Tools, Exeron, etc.

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

Market Segmentation

Electrical Discharge Machining (EDM) 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

Sinker EDM

Wire EDM

Hole Drilling EDM

Market segment by Application

Automotive and Production Machinery

Military and Aerospace

Electronics

Medical Device

Others

Major players covered

Mitsubishi Electric

Sodick

GF Machining

Makino

FANUC

CHMER EDM

ONA Electroerosion

OPS Ingesoll

Methods Machine Tools

Exeron

Shanghai Esuntek Machinery

Zimmer & Kreim (ZK)

Excetek Technology

Beaumont Machine

Seoul Precision Machine

Knuth

AccuteX

Yan Yang

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:

Global Electrical Discharge Machining (EDM) Market 2025 by Manufacturers, Regions, Type and Application, Forec...

Chapter 1, to describe Electrical Discharge Machining (EDM) product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Electrical Discharge Machining (EDM), with price, sales quantity, revenue, and global market share of Electrical Discharge Machining (EDM) from 2020 to 2025.

Chapter 3, the Electrical Discharge Machining (EDM) competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Electrical Discharge Machining (EDM) 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 Electrical Discharge Machining (EDM) 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 Electrical Discharge Machining (EDM).

Chapter 14 and 15, to describe Electrical Discharge Machining (EDM) sales channel, distributors, customers, research findings and conclusion.

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