

Electrical Discharge Machines (EDM): Market Research Report

<https://marketpublishers.com/r/E312D197A42EN.html>

Date: March 2018

Pages: 165

Price: US\$ 5,450.00 (Single User License)

ID: E312D197A42EN

Abstracts

This report analyzes the worldwide markets for Electrical Discharge Machines (EDM) in US\$ Million. The US market is further analyzed by the following Product Segments: RAM EDM, and Other EDMs.

The report provides separate comprehensive analytics for the US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America. Annual estimates and forecasts are provided for the period 2016 through 2024.

Also, a five-year historic analysis is provided for these markets. Market data and analytics are derived from primary and secondary research.

Company profiles are primarily based on public domain information including company URLs. The report profiles 36 companies including many key and niche players such as -

AAEDM Corporation

AccuteX Technologies Co., Ltd.

Beaumont Machine

CHMER EDM

Excetek Technologies Co., Ltd.

GF Machining Solutions Management SA

Contents

I. INTRODUCTION, METHODOLOGY & PRODUCT DEFINITIONS

II. EXECUTIVE SUMMARY

1. INDUSTRY OVERVIEW

Metal Shaping: A Key Process in Manufacturing Engineering

Table 1. Metal Cutting Tools Market in the US (2015 & 2017P): Breakdown of Spending in US\$ Billion by Key Manufacturing Sectors (includes corresponding Graph/Chart)

Manufacturing Industry: The Sole Determinant of Demand for EDM
Recession Deeply Impacts the Manufacturing Growth in Developed Economies

Table 2. US Manufacturing Recovery: Monthly Manufacturing PMI Indices in the United States for July 2016 to June 2017 (includes corresponding Graph/Chart)

Why the Recession Shock Impacted the EDM Market?
A Reinvented Manufacturing Industry
Promising GDP Growth to Usher New Era
Challenges Facing Global Economy
Factors Favoring Economic Growth

Table 3. World Real GDP Growth Rates in % for the Years 2016, 2017 & 2018 by Country (includes corresponding Graph/Chart)

Global Market Outlook

2. MARKET TRENDS & DRIVERS

Recovery in Global Manufacturing PMI to Encourage Spending on Manufacturing Equipment by Assembly Plants

Table 4. Global Manufacturing PMI: Breakdown of Monthly Index Points for the Period July 2016 to June 2017 (includes corresponding Graph/Chart)

Improving Plant Capacity Utilization Sets Ground for New Equipment Purchases

Table 5. Recovering Plant Capacity Utilization Rate in Developed Economies: Quarterly Breakdown of Manufacturing Plant Capacity Utilization Rate (In %) in the United States and Europe from Q3-2016 to Q2-2017 (includes corresponding Graph/Chart)

Developments in Micro & Nano EDM Spur Opportunities in Microfabrication Applications
Increasing Use of Complex Materials Drives Demand for EDM

Growing Focus on Resource Efficient Manufacturing Processes Drives Preference for EDM

Global Shortage of Skilled Labor Spurs Demand for Automated CNC EDM

Market Opportunities Rapidly Shift Towards Emerging Countries, Post-Recession

A Stable Medical Device Manufacturing Sector Bodes Well for Market Growth

Table 6. World Market for Medical Devices & Diagnostic Equipment (2016): Regional Market Shares of Potential Opportunity for Precision Medical Device Machining Equipment (includes corresponding Graph/Chart)

Table 7. A Measure of Addressable Opportunity for EDM in Machining Dental Prosthetics & Implants: Breakdown of World Market Size for Dental Surgical Equipment (in US\$ Million) by Geographic Region for the Years 2017 & 2020 (includes corresponding Graph/Chart)

Technology Refinements in Wire EDM to Double Productivity in Medical Device Manufacturing

Aerospace Production to Benefit Demand for EDM

Table 8. Cumulative Number & Value of Aircraft Demanded Worldwide for the Period 2013-2025: A Measure of Addressable Opportunity for Upstream Component Manufacturing Sectors (includes corresponding Graph/Chart)

Steady Automobile Production Drives Demand for CNC EDM in Automotive Machining

Table 9. Automobile Production Trends Influence Investments in Manufacturing & Machining Equipment: Breakdown of World Automobile Production of Passenger Cars & Commercial Vehicles (In 000 Units) by Geographic Region for the Years 2017 & 2020 (includes corresponding Graph/Chart)

Table 10. Automotive Capital Spending (In %) on Metal Cutting Technologies in the United States for the Year 2015 (includes corresponding Graph/Chart)

Continuous Technology Improvements to Spur Growth in the EDM Market
Demand for High-End EDM Technology Spur Advancements in EDM
Latest Technological Advancements in EDM
Automatic Wire Threading Capabilities in One Single Machine to Minimize Accuracy Errors
Integration of MTConnect Communications Protocol for Greater Accuracy and Repeatability
In-Process Inspection Systems for Higher Accuracy and Efficiency
Integration of Vision Systems Enhance Finished Product Quality
Advanced Touchscreen Controls
Automation Leads to Precise Predictability and Remarkable Repeatability
Research Trends in EDM
Research on Electrode Materials and Rapid Electrode Production
Focus on Automation
Spotlight on Green Manufacturing
Research on Dry EDM
Focus on Micro and Nano EDM
Growing Popularity of Ultrafast Lasers: A Major Threat to the Growth of EDM
High Speed Milling Cannibalizes Demand for EDM in the Mold & Die Industry

Table 11. Threat Meter Measuring the Potential Market Displacement Caused by EDM Replacement by High Speed Steel (HSS) - Growing Popularity of HSS as Measured by Global Sales (In US\$ Million) by Product Type for 2017 & 2020 (includes corresponding Graph/Chart)

3. PRODUCT OVERVIEW

4. RECENT INDUSTRY ACTIVITY

ONA Electroerosion Acquires 30% of AAEDM and Enhances Microhole EDM Technology

ARCH Global Precision Takes Over Rid-Lom Precision Manufacturing

Joshua Partners' Precision Engineered Technologies Acquires Controlling Interest in Ray Industries

GF Machining Joins Hands with Knox

GF Machining Partners with System Insights

5. PRODUCT INTRODUCTIONS/INNOVATIONS

Makino Launches EDNC21 Sinker EDM with Dual Heads and Hyper Technologies for Large Molds

Sodick Introduces AD series of sinker EDMs

Makino Launches the New High-Speed Z-Axis Technology

Makino Launches EDBV8 Fast Hole EDM Drilling Machine

Sodick Launches High Speed EDM Center

BobCAD-CAM Introduces v26 Wire EDM 2 and 4 Axis CAD/CAM Software

MC Machinery Rolls out ZT Hybrid EDM

Mitsubishi EDM Launches MV4800 Advance

Sodick Rolls Out VZ500LH Large Capacity Wire EDM Machines

GF Machining Develops Agiecharmilles CUT 200/300 Moldtech Wire EDM Series

6. FOCUS ON SELECT PLAYERS

AAEDM Corporation (USA)

AccuteX Technologies Co., Ltd. (Taiwan)

Beaumont Machine (USA)

CHMER EDM (Taiwan)

Excetek Technologies Co., Ltd. (Taiwan)

GF Machining Solutions Management SA (Switzerland)

Kent Industrial USA, Inc. (USA)

KNUTH Machine Tools (Germany)

Makino Milling Machine Co. Ltd. (Japan)

MC Machinery Systems, Inc. (USA)

ONA Electroerosion S. A. (Spain)

Sodick, Inc. (USA)

7. GLOBAL MARKET PERSPECTIVE

Table 12. World Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) by Geographic Region/Country - US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 13. World Historic Review for Electrical Discharge Machines (EDM) by Geographic Region/Country - US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 14. World 14-Year Perspective for Electrical Discharge Machines (EDM) by Geographic Region/ Country - Percentage Breakdown of Dollar Sales for US, Canada, Japan, Europe, Asia-Pacific, Middle East & Africa and Latin America Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

III. MARKET

1. THE UNITED STATES

A. Market Analysis

Outlook

Fiscal Cliff, Debt Ceiling & the US Manufacturing Industry

Outlook for the Domestic Manufacturing Industry

Re-Shoring of Manufacturing to Spur Growth in Demand for EDM

Strategic Corporate Developments

Product Introductions/ Innovations

Key Players

B. Market Analytics

Table 15. US Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) by Type - RAM EDM Machines and Others Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 16. US Historic Review for Electrical Discharge Machines (EDM) by Type - RAM EDM Machines and Others Independently Analyzed with Annual Sales Figures in US\$

Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 17. US 14-Year Perspective for Electrical Discharge Machines (EDM) by Type - Percentage Breakdown of Dollar Sales for RAM EDM Machines and Others for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

2. CANADA

A. Market Analysis

Outlook

Increasing Activity in the Aerospace Sector Bodes Well For Canadian EDM Market

B. Market Analytics

Table 18. Canadian Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 19. Canadian Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

3. JAPAN

A. Market Analysis

Outlook

Product Introductions/Innovations

Key Player

B. Market Analytics

Table 20. Japanese Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 21. Japanese Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

4. EUROPE

A. Market Analysis

Outlook

European Debt Crisis & the Manufacturing Industry

The Crisis Identified...

EU Debt Crisis Remains on Shaky Ground

How the EU Manufacturing Industry Responded to the Shocks of the Sovereign Debt Crisis.....

Table 22. Purchasing Managers Index (PMI) in the Euro Area: Average Annual PMI Data for Select Countries for Years 2015 & 2016 (includes corresponding Graph/Chart)

Outlook for the Domestic Manufacturing Industry

B. Market Analytics

Table 23. European Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) by Geographic Region/Country - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 24. European Historic Review for Electrical Discharge Machines (EDM) by Geographic Region/Country - France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 25. European 14-Year Perspective for Electrical Discharge Machines (EDM) by Geographic Region/Country - Percentage Breakdown of Dollar Sales for France, Germany, Italy, UK, Spain, Russia and Rest of Europe Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

4A. FRANCE

Market Analysis

Table 26. French Recent Past, Current & Future Analysis for Electrical Discharge

Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 27. French Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

4B. GERMANY

A. Market Analysis

Key Player

B. Market Analytics

Table 28. German Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 29. German Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

4C. ITALY

Market Analysis

Table 30. Italian Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 31. Italian Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

4D. THE UNITED KINGDOM

Market Analysis

Table 32. UK Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 33. UK Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

4E. SPAIN

A. Market Analysis

Outlook

Key Player

B. Market Analytics

Table 34. Spanish Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 35. Spanish Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

4F. RUSSIA

Market Analysis

Table 36. Russian Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 37. Russian Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

4G. REST OF EUROPE

A. Market Analysis

Outlook

Key Player

B. Market Analytics

Table 38. Rest of Europe Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 39. Rest of Europe Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

5. ASIA-PACIFIC

Market Analysis

Table 40. Asia-Pacific Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) by Geographic Region/Country - China, India, South Korea, Taiwan and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 41. Asia-Pacific Historic Review for Electrical Discharge Machines (EDM) by Geographic Region/Country - China, India, South Korea, Taiwan and Rest of Asia-Pacific Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 42. Asia-Pacific 14-Year Perspective for Electrical Discharge Machines (EDM) by Geographic Region/Country - Percentage Breakdown of Dollar Sales for China, India, South Korea, Taiwan and Rest of Asia-Pacific Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

5A. CHINA

A. Market Analysis

Outlook

Challenges to Growth Emerges as China Loses its Manufacturing Dominance
Chinese EDM Market Insights
Market Leaders

Table 43. Chinese EDM Market (2016): Percentage Value Breakdown by Leading Players for Sodick, Mitsubishi, Fanuc, Makino, Agie Charmiles, and Others (includes corresponding Graph/Chart)

B. Market Analytics

Table 44. Chinese Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 45. Chinese Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

5B. INDIA

Market Analysis

Table 46. Indian Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 47. Indian Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

5C. SOUTH KOREA

A. Market Analysis

Outlook

Expansion of Export Base Augurs Well for the Korean Machine Industry

B. Market Analytics

Table 48. South Korean Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 49. South Korean Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

5D. TAIWAN

A. Market Analysis

Outlook

Key Players

B. Market Analytics

Table 50. Taiwanese Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 51. Taiwanese Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

5E. REST OF ASIA-PACIFIC

Market Analysis

Table 52. Rest of Asia-Pacific Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 53. Rest of Asia-Pacific Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

6. MIDDLE EAST & AFRICA

Market Analysis

Table 54. Middle East & African Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 55. Middle East & African Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

7. LATIN AMERICA

Market Analysis

Table 56. Latin American Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) by Geographic Region/Country - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 57. Latin American Historic Review for Electrical Discharge Machines (EDM) by Geographic Region/Country - Brazil and Rest of Latin America Markets Independently Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

Table 58. Latin American 14-Year Perspective for Electrical Discharge Machines (EDM) by Geographic Region/Country - Percentage Breakdown of Dollar Sales for Brazil and Rest of Latin America Markets for Years 2011, 2017 & 2024 (includes corresponding Graph/Chart)

7A. BRAZIL

Market Analysis

Table 59. Brazilian Recent Past, Current & Future Analysis for Electrical Discharge

Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 60. Brazilian Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

7B. REST OF LATIN AMERICA

Market Analysis

Table 61. Rest of Latin America Recent Past, Current & Future Analysis for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2016 through 2024 (includes corresponding Graph/Chart)

Table 62. Rest of Latin America Historic Review for Electrical Discharge Machines (EDM) Market Analyzed with Annual Sales Figures in US\$ Million for Years 2011 through 2015 (includes corresponding Graph/Chart)

IV. COMPETITIVE LANDSCAPE

Total Companies Profiled: 36 (including Divisions/Subsidiaries - 38)

The United States (8)

Japan (7)

Europe (6)

Germany (3)

Spain (1)

Rest of Europe (2)

Asia-Pacific (Excluding Japan) (17)

I would like to order

Product name: Electrical Discharge Machines (EDM): Market Research Report

Product link: <https://marketpublishers.com/r/E312D197A42EN.html>

Price: US\$ 5,450.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/E312D197A42EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970