

South America EDM Wire Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Wire Type (Brass, Zinc-coated, and Non-coated) and Industry (Aerospace, Industrial & General Mechanics, Automotive, Healthcare, Electronics, and Others)

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Report description:

The EDM wire market in South America is expected to grow from US\$ 82.71 million in 2022 to US\$ 102.52 million by 2028. It is estimated to grow at a CAGR of 3.6% from 2022 to 2028.

Growth Prospects in Healthcare, Automotive, and Aerospace Industries

In the wave of technological developments, industrial sectors such as automotive and healthcare are improving. For instance, in the healthcare industry, penetration of personal and intelligent medical devices will lead to personalized medical technologies and implantable medical devices. Also, adopting robots in the healthcare industry is projected to enable the rollout of state-of-the-art medical solutions such as wearable and implantable technologies. The mentioned development in the healthcare industry is projected to create lucrative growth opportunities for developing components and parts used in implantable medical devices. This opportunity is predicted to fuel the demand for EDM wires. Similarly, the automotive industry is also witnessing a revolution. For producing large auto parts, including dual rigid linear motor axis drives and plastic dashboards, the adoption of EDM wires is rising. Also, with the introduction of electric vehicles, the automotive industry is transforming quickly. The demand for EDM wires in the automotive industry was high from earlier times and has gone up with the introduction of electric vehicles, as EDM wire ensures precise drilling and molding of small and larger parts. As the EDM wire process generates low residual stress on materials, the molds/components/punches become long-lasting and reliable. Similarly, with the introduction of advanced technologies in the aerospace industry, aerospace companies are looking ahead for EDM wires. Landing-gear components, fuel systems, engines, and other high-temperature, high-stress parts are produced using EDM wire as they can withstand the extreme pressure and heat

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required to make technology work in operation. The mentioned aspects related to changing automotive, aerospace, and healthcare industries due to the dynamic technological environment are projected to generate growth prospects for the SAM EDM wire market.

Market Overview

Brazil, Argentina, and rest of South America are the key contributors to the EDM wire market in the South America. The region has the presence of a limited number of EDM wire manufacturing enterprises. Among all countries in South America, Brazil is estimated to be the most significant contributor to the revenue of the South American EDM wire market during the forecast period, wherein the market growth is largely attributed to the proliferation of the automotive industry in the country. Most of the global automotive companies, including BMW, BYD, Ford, General Motors, Honda, Hyundai, Kia, Land Rover, and Mercedes-Benz, have manufacturing operations in Brazil. The automotive industry accounts for ~15% of Brazil's industrial GDP. According to Atradius Collections, in the 1st half of 2021, there was a 33% increase in the registration of new passenger cars in Brazil. Colombia has also seen tremendous growth in the automotive industry, which contributed ~US\$ 408 million (1.8 trillion Colombian pesos) to the country's GDP in 2020. Thus, the flourishing automotive industry in several countries is propelling the growth of the EDM wire market in South America.

South America EDM Wire Market Revenue and Forecast to 2028 (US\$ Million)

South America EDM Wire Market Segmentation

The South America EDM wire market is segmented into wire type, industry and country.

Based on wire type, the market is segmented into brass, zinc-coated, and non-coated. The brass segment registered the largest market share in 2022. Based on industry, the market is segmented into aerospace, industrial & general mechanics, automotive, healthcare, electronics, and others. The automotive segment held a largest market share in 2022. Based on country, the market is segmented into US, Canada, and Mexico. US dominated the market share in 2022. Berkenhoff GmbH; Hitachi Metals Ltd; SUMITOMO ELECTRIC INDUSTRIES; NOVOTECH; OPECMADE, Inc; OKI Electric Cable Co., Ltd; THERMO COMPACT; boway group and Yuang Hsian Metal Industrial Corporation are the leading companies operating in the South America EDM wire market in the region.

Table of Contents:

TABLE OF CONTENTS

- 1. Introduction
 - 1.1 Study Scope
 - 1.2 The Insight Partners Research Report Guidance
 - 1.3 Market Segmentation
- 2. Key Takeaways
- 3. Research Methodology
 - 3.1 Coverage
 - 3.2 Secondary Research
 - 3.3 Primary Research
- 4. SAM EDM Wire Market Landscape
 - 4.1 Market Overview
 - 4.2 SAM PEST Analysis
 - 4.3 Ecosystem Analysis
 - 4.4 Expert Opinions

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- 5. SAM EDM Wire Market - Key Market Dynamics
 - 5.1 Market Drivers
 - 5.1.1 Increase in Production of Components and Parts
 - 5.2 Market Restraints
 - 5.2.1 Drawbacks Associated with Using EDM Wire
 - 5.3 Market Opportunities
 - 5.3.1 Growth Prospects in Healthcare, Automotive, and Aerospace Industries
 - 5.4 Future Trends
 - 5.4.1 Increasing Adoption of Miniature Pneumatics in Electronics
 - 5.5 Impact Analysis of Drivers and Restraints
- 6. EDM Wire Market - SAM Market Analysis
 - 6.1 SAM EDM Wire Market Overview
 - 6.2 SAM EDM Wire Market Revenue Forecast and Analysis
- 7. SAM EDM Wire Market Revenue and Forecast to 2028 - Wire Type
 - 7.1 Overview
 - 7.2 SAM EDM Wire Market, By Wire Type (2021 And 2028)
 - 7.3 Brass
 - 7.3.1 Overview
 - 7.3.2 Brass: EDM Wire Market Revenue and Forecast To 2028 (US\$ Million)
 - 7.4 Zinc-coated
 - 7.4.1 Overview
 - 7.4.2 Zinc-coated: EDM Wire Market Revenue and Forecast To 2028 (US\$ Million)
 - 7.5 Non-coated
 - 7.5.1 Overview
 - 7.5.2 Non-coated: EDM Wire Market Revenue and Forecast To 2028 (US\$ Million)
- 8. SAM EDM Wire Market Revenue and Forecast to 2028 - Industry
 - 8.1 Overview
 - 8.2 EDM Wire Market, By Industry (2021 And 2028)
 - 8.3 Aerospace
 - 8.3.1 Overview
 - 8.3.2 Aerospace: EDM Wire Market Revenue and Forecast To 2028 (US\$ Million)
 - 8.4 Industrial and General Mechanics
 - 8.4.1 Overview
 - 8.4.2 Industrial and General Mechanics: EDM Wire Market Revenue and Forecast To 2028 (US\$ Million)
 - 8.5 Automotive
 - 8.5.1 Overview
 - 8.5.2 Automotive: EDM Wire Market Revenue and Forecast To 2028 (US\$ Million)
 - 8.6 Healthcare
 - 8.6.1 Overview
 - 8.6.2 Healthcare: EDM Wire Market Revenue and Forecast To 2028 (US\$ Million)
 - 8.7 Electronics
 - 8.7.1 Overview
 - 8.7.2 Electronics: EDM Wire Market Revenue and Forecast To 2028 (US\$ Million)
 - 8.8 Others
 - 8.8.1 Overview
 - 8.8.2 Others: EDM Wire Market Revenue and Forecast To 2028 (US\$ Million)
- 9. SAM EDM Wire Market - Country Analysis

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- 9.1 Overview
 - 9.1.1 SAM: EDM Wire Market, by Key Country
 - 9.1.1.1 Brazil: EDM Wire Market - Revenue and Forecast to 2028 (US\$ Million)
 - 9.1.1.1.1 Brazil: EDM Wire Market, by Wire Type
 - 9.1.1.1.2 Brazil: EDM Wire Market, by Industry
 - 9.1.1.2 Argentina: EDM Wire Market - Revenue and Forecast to 2028 (US\$ Million)
 - 9.1.1.2.1 Argentina: EDM Wire Market, by Wire Type
 - 9.1.1.2.2 Argentina: EDM Wire Market, by Industry
 - 9.1.1.3 Rest of SAM: EDM Wire Market - Revenue and Forecast to 2028 (US\$ Million)
 - 9.1.1.3.1 Rest of SAM: EDM Wire Market, by Wire Type
 - 9.1.1.3.2 Rest of SAM: EDM Wire Market, by Industry
- 10. Industry Landscape
 - 10.1 Overview
 - 10.2 Market Initiative
 - 10.3 Mergers and Acquisition
 - 10.4 New Product Development
- 11. Company Profiles
 - 11.1 Berkenhoff GmbH
 - 11.1.1 Key Facts
 - 11.1.2 Business Description
 - 11.1.3 Products and Services
 - 11.1.4 Financial Overview
 - 11.1.5 SWOT Analysis
 - 11.1.6 Key Developments
 - 11.2 Hitachi Metals Ltd.
 - 11.2.1 Key Facts
 - 11.2.2 Business Description
 - 11.2.3 Products and Services
 - 11.2.4 Financial Overview
 - 11.2.5 SWOT Analysis
 - 11.2.6 Key Developments
 - 11.3 Sumitomo Electric Industries, Ltd.
 - 11.3.1 Key Facts
 - 11.3.2 Business Description
 - 11.3.3 Products and Services
 - 11.3.4 Financial Overview
 - 11.3.5 SWOT Analysis
 - 11.3.6 Key Developments
 - 11.4 Novotec
 - 11.4.1 Key Facts
 - 11.4.2 Business Description
 - 11.4.3 Products and Services
 - 11.4.4 Financial Overview
 - 11.4.5 SWOT Analysis
 - 11.4.6 Key Developments
 - 11.5 Oki Electric Cable Co., Ltd.
 - 11.5.1 Key Facts

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- 11.5.2 Business Description
- 11.5.3 Products and Services
- 11.5.4 Financial Overview
- 11.5.5 SWOT Analysis
- 11.5.6 Key Developments
- 11.6 Yuang Hsian Metal Industrial Corporation
- 11.6.1 Key Facts
- 11.6.2 Business Description
- 11.6.3 Products and Services
- 11.6.4 Financial Overview
- 11.6.5 SWOT Analysis
- 11.6.6 Key Developments
- 11.7 boway Group
- 11.7.1 Key Facts
- 11.7.2 Business Description
- 11.7.3 Products and Services
- 11.7.4 Financial Overview
- 11.7.5 SWOT Analysis
- 11.7.6 Key Developments
- 12. Appendix
- 12.1 About The Insight Partners
- 12.2 Word Index

South America EDM Wire Market Forecast to 2028 - COVID-19 Impact and Regional Analysis - by Wire Type (Brass, Zinc-coated, and Non-coated) and Industry (Aerospace, Industrial & General Mechanics, Automotive, Healthcare, Electronics, and Others)

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