

Electric Arc Furnaces Market Size, Share, and Analysis, By Type (DC Arc Furnace and AC Arc Furnace), By Application (Ferrous Metals and Non-Ferrous Metals), By Capacity (Below 100 Tons, 100-300 Tons, and Above 300 Tons), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

<https://marketpublishers.com/r/E0B747C323D0EN.html>

Date: May 2024

Pages: 454

Price: US\$ 5,150.00 (Single User License)

ID: E0B747C323D0EN

Abstracts

Electric Arc Furnaces Market Size, Share, and Analysis, By Type (DC Arc Furnace and AC Arc Furnace), By Application (Ferrous Metals and Non-Ferrous Metals), By Capacity (Below 100 Tons, 100-300 Tons, and Above 300 Tons), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

PRODUCT OVERVIEW

Electric Arc Furnaces Market is anticipated to grow at a CAGR of 9.2% in the forecast period (2024-2034), with the market size valued at USD 0.93 billion in 2023 and projected to reach USD 2.45 billion by 2034.

Electric arc furnaces (EAFs) refer to essential equipment that are used in the production of steel and utilizes electric arcs between graphite electrodes and recycled steel scrap to reach temperatures as high as 3000°C. The process melts the scrap, which enables the elimination of impurities and offer precise control over the steel composition. EAFs have advantages over traditional blast furnaces, such as low emissions, less energy use, and more material flexibility. They play an important role in the production of specialty steels and alloys with specific compositions, which makes substantial contributions to modern steel manufacturing. Furthermore, EAFs play an

important role in steel recycling, which supports sustainable practices through the efficient use of scrap metal. Therefore, EAFs are efficient alternative in steel manufacturing, which assures that the industry complies with environmental and economic requirements.

MARKET HIGHLIGHTS

Electric Arc Furnaces Market is anticipated to reach USD 2.45 billion, growing at a CAGR of 9.2% during the forecast period, owing to high demand for steel and other metals due to infrastructure developments happening across developing economies. Additionally, technological improvements, along with the integration of AI and data visualization tools are assisting in using electric furnaces more effortlessly and efficiently. Moreover, electric furnaces are predominately used in the steelmaking and metal recycling industries. It is used to create steel and across the automobile, construction, and manufacturing sectors. In metal recycling, it is employed in recycling waste metals from landfills. Furthermore, continuous R&D initiatives to improve EAF technology, such as the integration of digitalization and automation, are projected to boost market growth.

Electric Arc Furnaces Market Segments:

By Type

DC Arc Furnace

AC Arc Furnace

By Application

Ferrous Metals

Non-Ferrous Metals

By Capacity

Below 100 Tons

100-300 Tons

Above 300 Tons

MARKET DYNAMICS

Growth Drivers

Surge In Global Steel Demand in Every Major Industry t%li%Drive the Market

Advancement In Furnace Technology Is Leading the Way for Electric Furnace Market

Restraint

High Initial Investments for Setting Up the Industrial Plants Can Hinder the Financial Growth

Key Players

Danieli & C. Officine Meccaniche S.p.A.

SMS group GmbH

Nippon Steel Corporation

Siemens AG

Electrotherm (India) Limited

Tenova S.p.A.

Mitsubishi Heavy Industries, Ltd.

China First Heavy Industries

Primetals Technologies Limited

Techint Group

IHI Corporation

TENOVA LOI Thermprocess GmbH

Doshi Technologies Pvt. Ltd.

Inductotherm Corp.

Mcwane, Inc.

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation

Involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

Contents

1.EXECUTIVE SUMMARY

- 1.1. Regional Market Share
- 1.2. Business Trends
- 1.3. Electric Arc Furnaces Market: COVID-19 Outbreak
- 1.4. Regional Trends
- 1.5. Segmentation Snapshot

2. RESEARCH METHODOLOGY

- 2.1. Research Objective
- 2.2. Research Approach
- 2.3. Data Sourcing and Methodology
- 2.4. Primary Research
- 2.5. Secondary Research
 - 2.5.1. Paid Sources
 - 2.5.2. Public Sources
- 2.6. Market Size Estimation and Data Triangulation

3. MARKET CHARACTERISTICS

- 3.1. Market Definition
- 3.2. Electric Arc Furnaces Market: COVID-19 Impact
- 3.3. Key Segmentations
- 3.4. Key Developments
- 3.5. Allied Industry Data

4.ELECTRIC ARC FURNACES MARKET – INDUSTRY INSIGHTS

- 4.1. Industry Segmentation
- 4.2. COVID-19 overview on world economy
- 4.3. Industry ecosystem Channel analysis
- 4.4. Innovation & Sustainability

5. MACROECONOMIC INDICATORS

6. RECENT DEVELOPMENTS

7. MARKET DYNAMICS

- 7.1. Introduction
- 7.2. Growth Drivers
- 7.3. Market Opportunities
- 7.4. Market Restraints
- 7.5. Market Trends

8. RISK ANALYSIS

9. MARKET ANALYSIS

- 9.1. Porters Five Forces
- 9.2. PEST Analysis
 - 9.2.1. Political
 - 9.2.2. Economic
 - 9.2.3. Social
 - 9.2.4. Technological

10. ELECTRIC ARC FURNACES MARKET

- 10.1. Overview
- 10.2. Historical Analysis (2019-2022)
 - 10.2.1. Market Size, Y-o-Y Growth (%) and Market Forecast

11. ELECTRIC ARC FURNACES MARKET SIZE & FORECAST 2024A-2034F

- 11.1. Overview
- 11.2. Key Findings
- 11.3. Market Segmentation
 - 11.3.1. By Type
 - 11.3.1.1. DC Arc Furnace
 - 11.3.1.1.1. By Value (USD Million) 2024-2034F
 - 11.3.1.1.2. Market Share (%) 2024-2034F
 - 11.3.1.1.3. Y-o-Y Growth (%) 2024-2034F
 - 11.3.1.2. AC Arc Furnace
 - 11.3.1.2.1. By Value (USD Million) 2024-2034F
 - 11.3.1.2.2. Market Share (%) 2024-2034F

- 11.3.1.2.3.Y-o-Y Growth (%) 2024-2034F
- 11.3.2. By Capacity
 - 11.3.2.1.Below 100 Ton
 - 11.3.2.1.1. By Value (USD Million) 2024-2034F
 - 11.3.2.1.2.Market Share (%) 2024-2034F
 - 11.3.2.1.3.Y-o-Y Growth (%) 2024-2034F
 - 11.3.2.2.100-300 Ton
 - 11.3.2.2.1.By Value (USD Million) 2024-2034F
 - 11.3.2.2.2. Market Share (%) 2024-2034F
 - 11.3.2.2.3. Y-o-Y Growth (%) 2024-2034F
 - 11.3.2.3. Above 300 Ton
 - 11.3.2.3.1.By Value (USD Million) 2024-2034F
 - 11.3.2.3.2. Market Share (%) 2024-2034F
 - 11.3.2.3.3. Y-o-Y Growth (%) 2024-2034F
- 11.3.3.By Application
 - 11.3.3.1.Ferrous Metals
 - 11.3.3.1.1. By Value (USD Million) 2024-2034F
 - 11.3.3.1.2.Market Share (%) 2024-2034F
 - 11.3.3.1.3.Y-o-Y Growth (%) 2024-2034F
 - 11.3.3.2.Non-Ferrous Metals
 - 11.3.3.2.1.By Value (USD Million) 2024-2034F
 - 11.3.3.2.2. Market Share (%) 2024-2034F
 - 11.3.3.2.3. Y-o-Y Growth (%) 2024-2034F

12.NORTH AMERICA ELECTRIC ARC FURNACES MARKET SIZE & FORECAST 2024A-2034F

- 12.1.Overview
- 12.2. Key Findings
- 12.3. Market Segmentation
 - 12.3.1.By Type
 - 12.3.2. By Capacity
 - 12.3.3. By Application
- 12.4. Country
 - 12.4.1. United States
 - 12.4.2. Canada

13.EUROPE ELECTRIC ARC FURNACES MARKET SIZE & FORECAST 2024A-2034F

13.1.Overview

13.2. Key Findings

13.3. Market Segmentation

13.3.1.By Type

13.3.2. By Capacity

13.3.3. By Application

13.4.Country

13.4.1.Germany

13.4.2. United Kingdom

13.4.3. France

13.4.4. Italy

13.4.5. Spain

13.4.6. Russia

13.4.7. Rest of Europe (BENELUX, NORDIC, Hungary, Turkey & Poland)

14.ASIA-PACIFIC ELECTRIC ARC FURNACES MARKET SIZE & FORECAST 2024A-2034F

14.1. Overview

14.2. Key Findings

14.3.Market Segmentation

14.3.1.By Type

14.3.2. By Capacity

14.3.3. By Application

14.4. Country

14.4.1.India

14.4.2. China

14.4.3. South Korea

14.4.4.Japan

14.4.5.Rest of APAC

15.MIDDLE EAST AND AFRICA ELECTRIC ARC FURNACES MARKET SIZE & FORECAST 2024A-2034F

15.1.Overview

15.2. Key Findings

15.3. Market Segmentation

15.3.1.By Type

- 15.3.2. By Capacity
- 15.3.3. By Application
- 15.4. Country
 - 15.4.1. Israel
 - 15.4.2. GCC
 - 15.4.3. North Africa
 - 15.4.4. South Africa
 - 15.4.5. Rest of Middle East and Africa

16. LATIN AMERICA ELECTRIC ARC FURNACES MARKET SIZE & FORECAST 2024A-2034F

- 16.1. Overview
- 16.2. Key Findings
- 16.3. Market Segmentation
 - 16.3.1. By Type
 - 16.3.2. By Capacity
 - 16.3.3. By Application
- 16.4. Country
 - 16.4.1. Mexico
 - 16.4.2. Brazil
 - 16.4.3. Rest of Latin America

17. COMPETITIVE LANDSCAPE

- 17.1. Company market share, 2023
- 17.2. Key player overview
- 17.3. Key stakeholders

18. COMPANY PROFILES

- 18.1. Danieli & C. Officine Meccaniche S.p.A
 - 18.1.1. Company Overview
 - 18.1.2. Financial Overview
 - 18.1.3. Key Product; Analysis
 - 18.1.4. Company Assessment
 - 18.1.4.1. Product Portfolio
 - 18.1.4.2. Key Clients
 - 18.1.4.3. Market Share

- 18.1.4.4. Recent News & Development (Last 3 Yrs.)
- 18.1.4.5. Executive Team
- 18.2. SMS group GmbH
- 18.3. Nippon Steel Corporation
- 18.4. Siemens AG
- 18.5. Electrotherm (India) Limited
- 18.6. Tenova S.p.A.
- 18.7. Mitsubishi Heavy Industries, Ltd.
- 18.8. China First Heavy Industries
- 18.9. Primetals Technologies Limited
- 18.10. Techint Group
- 18.11. IHI Corporation
- 18.12. TENOVA LOI Thermprocess GmbH
- 18.13. Doshi Technologies Pvt. Ltd.
- 18.14. Inductotherm Corp.
- 18.15. Mcwane, Inc.
- 18.16.. Other Prominent Players

19. APPENDIX

20. CONSULTANT RECOMMENDATION

I would like to order

Product name: Electric Arc Furnaces Market Size, Share, and Analysis, By Type (DC Arc Furnace and AC Arc Furnace), By Application (Ferrous Metals and Non-Ferrous Metals), By Capacity (Below 100 Tons, 100-300 Tons, and Above 300 Tons), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

Product link: <https://marketpublishers.com/r/E0B747C323D0EN.html>

Price: US\$ 5,150.00 (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/E0B747C323D0EN.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