

Chemicals and Petrochemicals Electrostatic Precipitator Market, Opportunity, Growth Drivers, Industry Trend Analysis and Forecast, 2024-2032

Market Report | 2024-08-27 | 40 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$4850.00
- Multi User \$5350.00
- Enterprise User \$8350.00

Report description:

Global Chemicals and Petrochemicals Electrostatic Precipitator Market size was valued at USD 1.86 billion in 2023 and is anticipated to grow at a CAGR of 6.6% between 2024 and 2032. Electrostatic precipitators (ESPs) serve as pollution control devices in the chemical and petrochemical industries for effectively removing fine particulate matter like dust, smoke, or mist from exhaust gases.

The evolving ESP technology, marked by enhanced efficiency, durability, and adaptability to intricate industrial settings, is driving product adoption. Moreover, the rising integration of switched integrated rectifiers (SIR) and advanced monitoring systems ensures precise control, leading to improved collection efficiency and reduced energy consumption, further propelling business growth.

As chemical and petrochemical plants expand globally, there is a heightened demand for versatile air pollution control solutions. These solutions cater not only to large-scale operations but also to specialized needs, such as sub-micron particle removal. This adaptability helps companies meet changing production demands, further shaping the industry landscape.

The overall industry is divided into design, system and region.

By design, the chemicals and petrochemicals electrostatic precipitator market divides into plate and tubular designs. The plate design is projected to surpass USD 2.81 billion by 2032. This growth is attributed to its superior dust collection capabilities and its expansive surface area, which efficiently captures fine particulates often released in large quantities during chemical processes. When segmented by system, the market divides into wet and dry systems. The wet system is forecasted to grow at a CAGR of over 7.4% through 2032. This is due to its proficiency in capturing sticky, moist, or fine particles and its capability to manage corrosive emissions, like acid mists. The rising demand for systems that efficiently capture fine and sub-micron particles also ensures adherence to tightening emission regulations, further fueling the business growth.

Asia Pacific chemicals and petrochemicals electrostatic precipitator market is projected to exceed USD 1.59 billion by 2032. This is driven by stringent emission control measures addressing pollution from rapid industrialization, particularly in emerging economies like China, India, and Southeast Asia. Furthermore, countries are incentivizing industries to modernize their pollution control systems through subsidies and tax breaks. Coupled with a global push towards sustainability, these factors are amplifying

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

the demand for ESPs.

Table of Contents:

Report Content

Chapter 1 Methodology and Scope

1.1 Research Design

1.2 Base estimates and calculations

1.3 Forecast model

1.4 Primary research and validation

1.4.1 Primary sources

1.4.2 Data mining sources

1.5 Market Definitions

Chapter 2 Executive Summary

2.1 Industry 360 synopsis, 2021 - 2032

Chapter 3 Industry Insights

3.1 Industry ecosystem

3.2 Regulatory landscape

3.3 Industry impact forces

3.3.1 Growth drivers

3.3.2 Industry pitfalls and challenges

3.4 Growth potential analysis

3.5 Porter's analysis

3.5.1 Bargaining power of suppliers

3.5.2 Bargaining power of buyers

3.5.3 Threat of new entrants

3.5.4 Threat of substitutes

3.6 PESTEL analysis

Chapter 4 Competitive landscape, 2023

4.1 Introduction

4.2 Strategic dashboard

4.3 Innovation and technology landscape

Chapter 5 Market Size and Forecast, By Design, 2021 - 2032 (USD Million)

5.1 Key trends

5.2 Plate

5.3 Tubular □ □

Chapter 6 Market Size and Forecast, By System, 2021 - 2032 (USD Million)

6.1 Key trends

6.2 Dry

6.3 Wet

Chapter 7 Market Size and Forecast, By Region, 2021 - 2032 (USD Million)

7.1 Key trends

7.2 North America

7.2.1 U.S.

7.2.2 Canada

7.2.3 Mexico

7.3 Europe

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 7.3.1 Germany
- 7.3.2 UK
- 7.3.3 France
- 7.3.4 Spain
- 7.3.5 Italy
- 7.3.6 Netherlands
- 7.4 Asia Pacific
 - 7.4.1 China
 - 7.4.2 India
 - 7.4.3 Japan
 - 7.4.4 South Korea
 - 7.4.5 Indonesia
 - 7.4.6 Australia
- 7.5 Middle East and Africa
 - 7.5.1 Saudi Arabia
 - 7.5.2 UAE
 - 7.5.3 South Africa
 - 7.5.4 Nigeria
 - 7.5.5 Angola
- 7.6 Latin America
 - 7.6.1 Brazil
 - 7.6.2 Argentina
 - 7.6.3 Chile
 - 7.6.4 Peru

Chapter 8 Company Profiles

- 8.1 ANDRITZ GROUP
- 8.2 Alstom SA
- 8.3 Enviropol Engineers
- 8.4 ELEX AG
- 8.5 FLSmidth
- 8.6 GEA Group AG
- 8.7 HIMENVIRO
- 8.8 Isgec Heavy Engineering Ltd.
- 8.9 KC Cottrell India
- 8.10 PPC Austria Holding GmbH
- 8.11 Thermax Group
- 8.12 Valmet Oyj
- 8.13 Wood Plc

□

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Chemicals and Petrochemicals Electrostatic Precipitator Market, Opportunity, Growth Drivers, Industry Trend Analysis and Forecast, 2024-2032

Market Report | 2024-08-27 | 40 pages | Global Market Insights

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User	\$4850.00
	Multi User	\$5350.00
	Enterprise User	\$8350.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-04"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com