

Europe Hazardous Location Motors - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The Europe Hazardous Location Motors Market is expected to register a CAGR of 5.1% during the forecast period.

Key Highlights

- Increasing numbers of accidents in processing industries highlight the importance of advanced hazardous location motors. Safety problems associated with the design and use of electrical equipment in hazardous areas have led authorities to impose strict rules. It has also elicited awareness of safe-equipment design.
- Cocoa powder is widely used in the chocolate industry by confectionaries and bakeries, and flour mills. These sectors are more prone to dust explosion in the food processing industry. The grinding process of the cocoa comes under strict regulations in the European region, due to which the penetration of the explosion-proof motor is high among the food manufacturers. The increasing cocoa production in Europe is aiding the growth of the studied market.
- For instance, the German Confectionery Association Members (BDSI) reported cocoa grindings of 1,08,615 tonnes in Germany in the second quarter of 2021, representing a 16.35% increase over the same quarter the previous year. Grindings increased by 5.1% in the first quarter of 2019.
- However, designing and manufacturing motors that completely engulf an internal explosion without rupturing or passing out any hot gases from the enclosure so that they are forced to exit through a long, narrow opening known as flame paths are the two major challenges faced by hazardous location motors market.
- Further, the Covid-19 pandemic has also posed several challenges to the studied market, like disruption in the supply chain and increased prices of raw materials.

Europe Hazardous Location Motors Market Trends

Scotts International. EU Vat number: PL 6772247784

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

www.scott-international.com

Explosion Proof Motor in Coal Production is Expected to Hold a Major Market Share

- The increasing production of coal and the growing dependency on it for several purposes in the European region, like steel making, power production, etc., is triggering the growth of the market.
- For instance, according to International Energy Agency (IEA), Germany produced 101 metric tonnes of coal in 2020 and 103 metric tonnes of coal in 2021. Poland produced 96 metric tonnes and 98 metric tonnes of coal in 2020 and 2021, respectively.
- Spark-proof motors or explosion-proof motors, which are assigned a temperature code (T code), are increasingly being used in these areas.
- Flameproof motors, which are a part of explosion-proof motors, are intended for use in coal mines that are at risk of methane and coal dust explosions in areas (zones one and two) where explosive mixtures of combustible gases and liquid steam with air occurs, are also gaining traction.

The Increasing demand for Oil and Gas to Drive the Market Growth

- Europe has been an important market for hazardous location motors as the region has a massive demand from its oil and gas industry. According to Baker Hughes, Europe had 104 oil and gas rigs as of October 2021, of which 32 were offshore rigs.
- According to Thomson Reuters, The Royal Dutch Shell plc (United Kingdom), a multinational oil and gas company, generated a revenue of USD 176.19 billion in 2021, followed by BP plc, which generated USD 136.2 billion in 2021.
- Further, according to BP, the oil consumption in Europe and CIS in 2020 was 16.93 million barrels per day.
- The class I hazardous location motors, which are designed to operate in environments containing combustible or ignitable gases, vapors, or dust, are gaining popularity. To avoid catastrophic external explosions, ignitions and explosions must be contained within the equipment's housing without igniting the surrounding air for motors to work safely in these environments. This sort of accident can be avoided by selecting the appropriate motor for the operating environment.

Europe Hazardous Location Motors Industry Overview

The Europe Hazardous Location Motors market is moderately competitive with significant players like Brook Crompton, Stainless Motors, Inc., Dietz Electric Co., Inc., Emerson Electric Co., WEG Industries, etc. The players in the market must focus on technological innovations and strategic collaborations to expand their market share.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

1.1 Study Assumptions and Market Definition

1.2 Scope of the Study

2 RESEARCH METHODOLOGY

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

3 EXECUTIVE SUMMARY

4 MARKET INSIGHTS

- 4.1 Market Overview
- 4.2 Industry Attractiveness - Porter's Five Forces Analysis
 - 4.2.1 Bargaining Power of Suppliers
 - 4.2.2 Bargaining Power of Consumers
 - 4.2.3 Threat of New Entrants
 - 4.2.4 Threat of Substitute Products
 - 4.2.5 Intensity of Competitive Rivalry
- 4.3 Technology Snapshot
- 4.4 Assessment of the Impact of COVID-19

5 MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Growing Safety Measures
 - 5.1.2 Increasing Demand for Energy Efficient Motors
- 5.2 Market Restraints
 - 5.2.1 Regulations and Compliance
 - 5.2.2 High Installation Cost for Material and Labor in Comparison to Non-Explosion Proof Motors

6 MARKET SEGMENTATION

- 6.1 By Type
 - 6.1.1 Explosion-Proof General Purpose Motors
 - 6.1.2 Drill Rig Duty Motors
 - 6.1.3 Explosion-Proof Pump Motors
 - 6.1.4 Explosion-Proof Inverter Duty Motors
 - 6.1.5 Explosion-Proof Severe Duty Motors
- 6.2 By Class
 - 6.2.1 Class I
 - 6.2.2 Class II
 - 6.2.3 Class III
- 6.3 By Division
 - 6.3.1 Division 1
 - 6.3.2 Division 2
- 6.4 By Zone
 - 6.4.1 Zone 0
 - 6.4.2 Zone 1
 - 6.4.3 Zone 21
 - 6.4.4 Zone 21
 - 6.4.5 Zone 22
- 6.5 By Applications
 - 6.5.1 Spray Painting and Finishing Areas
 - 6.5.2 Petroleum Refining Plants
 - 6.5.3 Dry Cleaning Facilities
 - 6.5.4 Utility Gas Plants
 - 6.5.5 Grain Elevators and Grain Handling Facilities

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 6.5.6 Flour Mills
- 6.5.7 Aluminum Manufacturing and Storage Areas
- 6.5.8 Fire Work Plants and Storage Areas
- 6.5.9 Confectionary Plants
- 6.5.10 Other Applications
- 6.6 By Country
 - 6.6.1 United Kingdom
 - 6.6.2 Germany
 - 6.6.3 Russia
 - 6.6.4 France
 - 6.6.5 Rest of Europe

7 COMPETITIVE LANDSCAPE

- 7.1 Company Profiles
 - 7.1.1 Brook Crompton
 - 7.1.2 Stainless Motors, Inc.
 - 7.1.3 Dietz Electric Co., Inc.
 - 7.1.4 Emerson Electric Co.
 - 7.1.5 WEG Industries
 - 7.1.6 Rockwell Automation, Inc.
 - 7.1.7 Nidec Motor Corporation
 - 7.1.8 Kollmorgen Corporation
 - 7.1.9 ABB Ltd
 - 7.1.10 Heatrex Inc.

8 INVESTMENT ANALYSIS

9 FUTURE OF THE MARKET

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Europe Hazardous Location Motors - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 120 pages | Mordor Intelligence

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 License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		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="2026-03-02"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

