

Floor Scrubber Battery Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Battery Type (Lead-Acid Batteries, Lithium-Ion Batteries, Gel Batteries, Absorbent Glass Mat (AGM) Batteries), By Machine Type (Walk-Behind Scrubbers, Ride-On Scrubbers, Robotic Floor Scrubbers), By End-Use Industry (Commercial, Industrial, Residential, Institutional), By Region & Competition, 2020-2030F

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Abstracts

Market Overview

The Global Floor Scrubber Battery Market was valued at USD 657.23 million in 2024 and is projected to reach USD 896.83 million by 2030, growing at a CAGR of 5.16% during the forecast period. The market is witnessing steady growth driven by the rising demand for efficient and sustainable cleaning equipment across commercial, industrial, and institutional sectors. Floor scrubbers powered by advanced batteries are increasingly favored for their ability to support eco-friendly cleaning operations while delivering high performance. As businesses move away from fuel-based cleaning machines, battery-powered alternatives are gaining traction due to their reduced emissions, quieter operation, and compatibility with environmental standards. The integration of lithium-ion and other battery technologies enhances operational efficiency, extends runtime, and minimizes maintenance requirements. This shift aligns with broader sustainability goals and hygiene expectations in sectors such as healthcare, hospitality, retail, and public infrastructure. Technological advancements in battery systems are also contributing to longer service life and improved performance, positioning battery-powered floor scrubbers as a preferred solution in modern facility

management.

Key Market Drivers

Increasing Demand for Sustainable Cleaning Solutions

The growing focus on sustainability in commercial and industrial sectors is significantly driving the adoption of battery-powered floor scrubbers. These machines offer a cleaner, more energy-efficient alternative to traditional fuel-based or manual cleaning methods. Advanced battery technologies, including lithium-ion and deep-cycle lead-acid batteries, enable longer runtimes, reduced emissions, and lower operational costs. Sectors such as healthcare, retail, and hospitality are especially prioritizing eco-friendly cleaning practices to comply with regulations and meet corporate sustainability goals. The ability of battery-powered scrubbers to conserve water and chemical usage further strengthens their position as a sustainable cleaning solution.

Key Market Challenges

High Initial Cost and Limited Adoption of Advanced Battery Technologies

Despite their performance advantages, lithium-ion batteries face adoption challenges due to high upfront costs. The expense of the battery, along with associated infrastructure such as charging stations and control systems, can be prohibitive for smaller enterprises or budget-conscious buyers. Traditional lead-acid batteries remain more common due to their lower initial cost, even though they offer shorter lifespans and higher maintenance requirements. Cost remains a critical barrier, particularly in developing regions and among municipal or small-scale operators, where investment in newer technologies is often constrained by immediate budget limitations rather than long-term efficiency.

Key Market Trends

Shift Toward Lithium-Ion Battery Adoption Across All Machine Classes

A key trend reshaping the market is the increasing shift from lead-acid to lithium-ion batteries across all categories of floor scrubber machines. Lithium-ion technology offers superior energy density, faster charging, longer lifecycle, and minimal maintenance. These features are particularly valuable in large-scale facilities with high-frequency cleaning demands, such as airports, warehouses, and industrial plants. Over time, the

lower total cost of ownership and improved reliability of lithium-ion batteries are making them a more attractive investment, even for cost-sensitive buyers. The advancement of battery management systems has further improved safety and operational control, reinforcing the shift toward lithium-ion adoption across various end-use industries.

Key Market Players

East Penn Manufacturing Company

EnerSys

Exide Technologies

Trojan Battery Company

Crown Battery Manufacturing Company

Johnson Controls

U.S. Battery Manufacturing Company

RELiON Battery

Leoch International Technology Limited

Saft Groupe S.A.

Report Scope:

In this report, the Global Floor Scrubber Battery Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Floor Scrubber Battery Market, By Battery Type:

Lead-Acid Batteries

Lithium-Ion Batteries

Gel Batteries

Absorbent Glass Mat (AGM) Batteries

Floor Scrubber Battery Market, By Machine Type:

Walk-Behind Scrubbers

Ride-On Scrubbers

Robotic Floor Scrubbers

Floor Scrubber Battery Market, By End-Use Industry:

Commercial

Industrial

Residential

Institutional

Floor Scrubber Battery Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

South America

Brazil

Argentina

Colombia

Asia-Pacific

China

India

Japan

South Korea

Australia

Middle East & Africa

Saudi Arabia

UAE

South Africa

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Floor Scrubber Battery Market.

Available Customizations:

Global Floor Scrubber Battery Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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