

Vertical Lift Module (VLM) - 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 Vertical Lift Module Market is expected to register a CAGR of 8% during the forecast period.

Key Highlights

- Vertical lift modules form a significant part of the solution due to the shifted focus on smart intralogistics. Intralogistics experienced significant disruption over the past decade due to changes in end markets as preferences evolved from using VLMs as a mere space management tool to deriving operational benefits from connected solutions. This is one of the significant factors that is driving the market.
- Further, another major factor that is driving the market is the stringent government regulations for increasing workplace safety. The Occupational Safety and Health Act, in its updated standards, has also mandated safety fall protection for employees, regardless of the fall distance. Hence, the safety of the workplace, which deals with the prevention of any injury or incident, becomes critical, thereby increasing the adoption of a vertical lift module (VLM).
- Also, more retailers are using small-format distribution centers in areas with a lot of people. This means that square footage is limited and expensive, and the need for flexible, scalable, automated VLMs that can handle high volumes in small spaces is expected to grow and drive the retail market.
- However, on the flip side, the high cost of the vertical lift module (VLM) and the high maintenance associated with them are a few factors that are restraining the market's growth in the forecasted period.
- COVID-19 was expected to contribute to market growth in the future. This was due to the focus on automation in industries such as automotive, food and beverage, and logistics, so as to maintain social distancing and stress worker safety.

Vertical Lift Module (VLM) Market Trends

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Food and Beverage Sector is Expected to Grow Significantly

A significant number of food and beverage companies are tormented by older carousels to facilitate picking, which are now being replaced with vertical lift modules (VLMs). These systems have greatly increased the cube utilization of facilities by allowing these companies to run seamlessly within space constraints.

- Since the industry has huge inventories, the VLMs are made with ergonomic designs and trays that can hold more than 1,000 pounds each. The overall heights of the VLMs range from 15 feet to 75 feet.
- Also, vertical lift modules (VLMs) must be used to keep workers from getting hurt, which is important for worker safety. As a result of the "Made in China 2025" strategy, China is likely to have a lot more factories that use automation by 2025. It fuels the nation's vertical lift module (VLM) business. Continuous investments made by businesses in their logistics divisions have a significant impact on the growth of the vertical lift module market.
- Due to the pandemic, there has been the worst labor shortage globally. Strict regulations and COVID-19 guidelines and protocols to follow have created a huge gap in supply and demand for labor in the food and beverage industry. Therefore, many organizations are also looking for cost-cutting methods, such as lower wages and layoffs, considering the global scenario. Many organizations are thus looking to upgrade their warehouses with solutions like VLM to be more efficient; however, the high cost of solutions, fluctuating global economies, and uncertainty in the business hamper the application of such solutions.
- Edge by Ascential, a top provider of e-commerce services, says that over the next few years, the digital sector is likely to grow, even though physical stores are still the most common way to sell food. It is expected that online sales in this sector will grow from 174 billion US dollars in 2021 to more than 275 billion US dollars in 2026. E-commerce is anticipated to represent around 7.6% of total grocery sales globally that year.

Asia-Pacific is Expected to Experience Significant Growth

- Asia-Pacific is expected to grow the most quickly because it is home to China, the world's biggest manufacturing hub and biggest exporter. Automation in China is expected to cut costs by 30% by 2025, and also, by virtue of the 'Made in China 2025' initiative, manufacturing units are expected to increase rapidly in the country. This factor drives the market for the vertical lift module (VLM) in the country.
- Additionally, another fastest-growing economy in the world is India. With India's ambitious plan of 'Make in India,' manufacturing and its consequential distribution and logistics activities are expected to witness exponential growth.
- India is also the second-most populous nation in the world, and consumption dominates its economy. Based on the most recent data from the United Nations, India has a population of 1,423,061,201 people. The UN estimates the July 1, 2023 population at 1,428,627,663. Additionally, according to the Economic Survey 2023, India, the nation will grow at a rapid rate of 6 to 6.8% in FY 2024.
- India is also making strides in its logistics and warehouse capabilities, and there are a number of projects, such as the DDF (Dedicated Freight Corridor) Sagar Mala Project, dedicated to e-commerce, logistics, and warehouse operations. India has a total of 11 major ports and 168 smaller or intermediate ports. This makes it possible for a lot of cargo to move along the Indian coast from the islands. This will also require a huge network of warehouses and storage units, making the studied market in the region and during the studied time period a huge market.
- So, the above factors should make the vertical lift module (VLM) in the Asia-Pacific region look good during the forecast period.

Also, to stop the COVID-19 coronavirus from spreading, almost every company was putting in place social distance, safety

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

standards, and protocols to make sure warehouse and factory workers were safe. This got a lot of attention. Thus, organizations were reevaluating their operations in facilities with a lower workforce. The outbreak negatively impacted the hosting of expos and trade shows and was expected to affect the marketing and sales specifics of smaller regional players amid the market incumbents.

Vertical Lift Module (VLM) Industry Overview

Companies like Kardex Group, Hanel Storage Systems, Ferretto Group S.p.A., Modula Inc., and Schaefer Systems International dominate the vertical lift module (VLM) market. With a big share of the market, these big players are focusing on growing their customer base in other countries. These companies are leveraging strategic collaborative initiatives to increase their market share and profitability. However, with technological advancements and product innovations, midsize to smaller companies are increasing their market presence by securing new contracts and tapping new markets.

Mouser Electronics, Inc., which has the largest selection of semiconductors and electronic components and is the top distributor for new product introductions (NPIs) in the industry, continued to invest in cutting-edge automation in its global distribution center in February 2022. This was done to speed up order processing, improve accuracy, and help clients shorten their time-to-market. The largest VLM installation in the history of the technology will be at Mouser, where 120 vertical lift modules (VLMs) will be placed.

Additional Benefits:

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

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET INSIGHT

- 4.1 Market Overview
- 4.2 Industry Attractiveness - Porter's Five Forces Analysis
 - 4.2.1 Bargaining Power of Buyers/Consumers
 - 4.2.2 Bargaining Power of Suppliers
 - 4.2.3 Threat of New Entrants
 - 4.2.4 Threat of Substitute Products
 - 4.2.5 Intensity of Competitive Rivalry
- 4.3 Industry Value Chain Analysis
- 4.4 Assessment of Impact of COVID-19 on the Vertical Lift Module Market

5 MARKET DYNAMICS

- 5.1 Market Drivers
 - 5.1.1 Increasing Adoption among Warehouse Owners due to Reduced Floor Space

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 5.1.2 Significant Advantage over Traditional Storage and Retrieval Systems
- 5.2 Market Challenges
- 5.2.1 Increasing Energy Consumption Concerns and Huge Infrastructural Costs

6 MARKET SEGMENTATION

- 6.1 By End-user Industry
 - 6.1.1 Metal and Machinery
 - 6.1.2 Automotive
 - 6.1.3 Electrical and Electronics
 - 6.1.4 Retail/Warehousing/DistributionCenter/Logistics Center
 - 6.1.5 Life Sciences
 - 6.1.6 Food and Beverage
 - 6.1.7 Other End-user Industries
- 6.2 By Geography
 - 6.2.1 North America
 - 6.2.1.1 United States
 - 6.2.1.2 Canada
 - 6.2.2 Europe
 - 6.2.2.1 Germany
 - 6.2.2.2 United Kingdom
 - 6.2.2.3 France
 - 6.2.2.4 Italy
 - 6.2.2.5 Spain
 - 6.2.2.6 Rest of Europe
 - 6.2.3 Asia-Pacific
 - 6.2.3.1 China
 - 6.2.3.2 Japan
 - 6.2.3.3 South Korea
 - 6.2.3.4 Rest of Asia-Pacific
 - 6.2.4 Latin America
 - 6.2.5 Middle East and Africa

7 COMPETITIVE LANDSCAPE

- 7.1 Company Profiles
 - 7.1.1 Kardex Group
 - 7.1.2 Hanel Storage Systems
 - 7.1.3 Ferretto Group S.p.a
 - 7.1.4 AutoCrib, Inc.
 - 7.1.5 Modula Inc.(System Logistics)
 - 7.1.6 Weland Lagersystem AB
 - 7.1.7 Schaefer Systems International Inc.
 - 7.1.8 Automha SPA
 - 7.1.9 Green Automated Solutions, Inc
 - 7.1.10 Stanley Black & Decker Storage Solutions

8 INVESTMENT ANALYSIS

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Vertical Lift Module (VLM) - 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*		Phone*	
First Name*		Last Name*	
Job title*			
Company Name*		EU Vat / Tax ID / NIP number*	
Address*		City*	
Zip Code*		Country*	
		Date	2026-03-01
		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