Automated Storage and Retrieval System (ASRS) Market by Type (Unit Load, Mini Load, VLM, Carousel, Autostore, & Mid Load), Function (Assembly, Storage, Order picking, Kitting, & Distribution), Industry, and Geography - Global forecast to 2022

Description: The global automated storage and retrieval systems (ASRS) market is expected to reach USD 8.43 billion by 2022, at a CAGR of 7.1% between 2016 and 2022. Manufacturers are increasingly adopting ASRS because of the rising costs of labor in warehouses and distribution centers. ASRS provides users with increased inventory control and tracking, reduces labor costs, lowers workforce requirements, increases workplace safety, minimizes the risk of accident during product handling, increases the efficiency of plant & distribution centers, reduces damage to products, and decreases the overall cost.

The ASRS market is segmented on the basis of industry into automotive, food & beverages, chemical, electronic & semiconductor, metal & machinery, e-commerce, aerospace, healthcare, 3PL, and textile. Of these industries, the market for the e-commerce industry is expected to grow at the highest rate because of the increasing pressure on manufacturers and distributors to ship the products in the shortest possible time to ensure faster delivery to consumers.

Europe held the largest share of the global ASRS market. This market is driven by various factors such as high degree of accuracy, improved efficiency, high-throughput inventory management capabilities, and increasing demand for technologically advanced ASRS in the region.

The ASRS market in APAC is expected to grow at the highest rate. The increasing popularity and superior results of automated systems encourage more companies in APAC to increase the deployment of ASRS.

The breakup of primaries conducted during the study is depicted below:

By Company Type: Tier1 Companies - 50%, Tier 2 Companies - 33%, and Tier 3 Companies - 17%

By Designation: C-level Executives - 34%, Directors - 33%, and Others- 33%

By Region: Europe - 50%, North America - 33%, and Asia-Pacific- 17%

The key players in the ASRS market are Daifuku Co., Ltd. (Japan), Kardex Group (Switzerland), Murata Machinery, Ltd. (Japan), Swisslog Holding AG (Switzerland), Mecalux S.A. (Spain), SSI Schaefer Group (Germany), Vanderlande Industries B.V. (Netherlands), Dematic GmbH & Co. Kg, (Germany), and Bastian Solutions, LLC (U.S.).

Reasons to buy the report:

- This report includes the market statistics pertaining to type, function, industry, and geography along with their respective market size.

- The Porter’s Five Forces framework has been utilized along with the value chain analysis to provide an in-depth insight into the ASRS market.

- Major drivers, restraints, and opportunities for the ASRS market have been detailed in this report.

- Illustrative segmentation, analysis, and forecast for the markets on the basis of type, function, industry, and geography have been conducted to give an overall view of the ASRS market.

- A detailed competitive landscape includes key players, in-depth analysis, and ranking of key players.

The available customizations for the report offer further country-wise segmentation of the ASRS market in terms of value; further breakdown of the industry can be provided along with profiling of additional companies in the report.
6.3.1 Intensity of Rivalry
6.3.2 Threat of Substitutes
6.3.3 Bargaining Power of Buyers
6.3.4 Bargaining Power of Suppliers
6.3.5 Threat of New Entrants

7 Automated Storage and Retrieval System Market, By Function
7.1 Introduction
7.2 Assembly
7.3 Kitting
7.4 Order Picking
7.5 Distribution
7.6 Storage
7.7 Others

8 Automated Storage and Retrieval System Market, By Type
8.1 Introduction
8.2 Unit Load
8.3 Mini Load
8.4 Vertical Lift Module
8.5 Carousel
  8.5.1 Vertical Carousel
  8.5.2 Horizontal Carousel
8.6 Mid Load
8.7 Autostore

9 Automated Storage and Retrieval System Market, By Industry
9.1 Introduction
9.2 Automotive
9.3 Food and Beverages
9.4 Chemical
9.5 Electronics & Semiconductor
9.6 Metal and Machinery
9.7 E-Commerce
9.8 Aviation
9.9 Healthcare
9.10 3PL
9.11 Textile

10 Geographic Analysis
10.1 Introduction
10.2 Pest Analysis
  10.2.1 Introduction
  10.2.2 Political Factors
  10.2.3 Economic Factors
  10.2.4 Social Factors
  10.2.5 Technological Factors
10.3 North America
  10.3.1 E-Commerce Industry in North America Driving the ASRS Market
  10.3.2 U.S.
    10.3.2.1 Presence of Automotive and Food & Beverage Companies in the U.S. Driving the ASRS Market
  10.3.3 Canada
    10.3.3.1 Technological Advancements in ASRS Driving the Material Handling Market in Canada
  10.3.4 Mexico
    10.3.4.1 Key Players Expanding Their ASRS Product Portfolio to Mexico
10.4 Europe
  10.4.1 Significant Investments in Automotive Industry
  10.4.2 Fem Specifications Widely Accepted in the World
  10.4.3 U.K
    10.4.3.1 Realization of the Need for Intelligent and Reliable ASRS in the U.K.
  10.4.4 Germany
    10.4.4.1 Technological Advancements and Innovative ASRS Products
10.4.5 France
   10.4.5.1 Presence of Distribution Centers of Key Players in France
10.4.6 Rest of Europe
10.5 Asia-Pacific
   10.5.1 Economic Growth in APAC to Attract ASRS Suppliers
   10.5.2 China
      10.5.2.1 Advanced ASRS Infrastructure to Support Cold Chain Operations in China
   10.5.3 Japan
      10.5.3.1 Home of Automotive Industry Adopting ASRS to Eliminate Production Challenges
   10.5.4 Australia
      10.5.4.1 Significant Growth in Pharmaceutical and Consumer Goods Industry
   10.5.5 Rest of APAC
10.6 RoW
   10.6.1 Potential for ASRS Market in Africa

11 Competitive Landscape
   11.1 Introduction
   11.2 Ranking for ASRS System Market, 2015
   11.3 Competitive Scenario
   11.4 Market Scenario: Key Developments in Industry 2016
      11.4.1 Top Developments Outlook
   11.5 Recent Developments
      11.5.1 New Product Launches
      11.5.2 Partnerships, Agreements, & Collaborations
      11.5.3 Acquisitions and Mergers
      11.5.4 Expansions

12 Company Profiles
   (Overview, Products and Services, Financials, Strategy & Development)*
   12.1 Introduction
   12.2 Bastian Solutions, LLC
   12.3 Daifuku Co., Ltd.
   12.4 Dematic GmbH & Co. Kg
   12.5 Kardex Group
   12.6 Murata Machinery, Ltd.
   12.7 Mecalux S.A.
   12.8 Vanderlande Industries B.V.
   12.9 Beumer Group GmbH & Co. Kg
   12.10 SSI Schaefer Group
   12.11 Swisslog Holding AG
   12.12 System Logistics Corporation
   12.13 Egemin Automation, Inc.
   12.14 Viastore Systems, Inc.
   12.15 Wynright Corporation
   12.16 Savoye, Inc.
   12.17 Dearborn Mid-West Company, LLC
   12.18 Knapp AG
   12.19 TGW Logistics Group

*Details on Overview, Products and Services, Financials, Strategy & Development Might Not Be Captured in Case of Unlisted Companies.

13 Appendix
   13.1 Insights From Industry Experts
   13.2 Discussion Guide

List of Tables

Table 1 Market Segmentation : By Function
Table 2 Market Segmentation : By Type
Table 3 Market Segmentation : By Industry
Table 4 Market Segmentation : By Geography
Table 5 Improved Inventory Control and Cost-Effective Utilization of Time, Space, and Equipment Propelling
the Growth of the ASRS Market

Table 6 ASRS Market, By Function, 2013-2022 (USD Million)
Table 7 ASRS Market for Assembly Function By Type, 2013-2022 (USD Million)
Table 8 ASRS Market for Assembly Function, By Industry, 2013-2022 (USD Million)
Table 9 ASRS Market for Kitting Function, By Type, 2013-2022 (USD Million)
Table 10 ASRS Market for Kitting Function, By Industry, 2013-2022 (USD Million)
Table 11 ASRS Market for Order Picking Function, By Type, 2013-2022 (USD Million)
Table 12 ASRS Market for Order Picking Function, By Industry, 2013-2022 (USD Million)
Table 13 ASRS Market for Distribution Function, By Type, 2013-2022 (USD Million)
Table 14 ASRS Market for Distribution Function Market, By Industry, 2013-2022 (USD Million)
Table 15 ASRS Market for Storage Function, By Type, 2013-2022 (USD Million)
Table 16 ASRS Market for Storage Function, By Industry, 2013-2022 (USD Million)
Table 17 ASRS Market for Other Functions, By Type, 2013-2022 (USD Million)
Table 18 ASRS Market for Other Functions, By Industry, 2013-2022 (USD Million)
Table 19 ASRS Market, By Type, 2013-2022 (USD Million)
Table 20 Unit-Load ASRS Market, By Industry, 2013-2022 (USD Million)
Table 21 Unit-Load ASRS Market, By Region, 2013-2022 (USD Million)
Table 22 Mini-Load ASRS Market, By Industry, 2013-2022 (USD Million)
Table 23 Mini-Load ASRS Market, By Region, 2013-2022 (USD Million)
Table 24 VLM ASRS Market, By Industry, 2013-2022 (USD Million)
Table 25 VLM ASRS Market, By Region, 2013-2022 (USD Million)
Table 26 Carousel ASRS Market, By Industry, 2013-2022 (USD Million)
Table 27 Carousel ASRS Market, By Region, 2013-2022 (USD Million)
Table 28 Mid-Load ASRS Market, By Industry, 2013-2022 (USD Million)
Table 29 Mid-Load ASRS Market, By Region, 2013-2022 (USD Million)
Table 30 Autostore ASRS Market, By Industry, 2013-2022 (USD Million)
Table 31 Autostore ASRS Market, By Region, 2013-2022 (USD Million)
Table 32 ASRS Market, By Industry, 2013-2022 (USD Million)
Table 33 ASRS Market for Automotive Industry, By Function, 2013-2022 (USD Million)
Table 34 ASRS Market for Automotive Industry, By Type, 2013-2022 (USD Million)
Table 35 ASRS Market for Automotive Industry, By Region, 2013-2022 (USD Million)
Table 36 ASRS Market for Food & Beverages Industry, By Function, 2013-2022 (USD Million)
Table 37 ASRS Market for Food & Beverages Industry, By Type, 2013-2022 (USD Million)
Table 38 ASRS Market for Food & Beverages Industry, By Region, 2013-2022 (USD Million)
Table 39 ASRS Market for Chemical Industry, By Function, 2013-2022 (USD Million)
Table 40 ASRS Market for Chemical Industry, By Type, 2013-2022 (USD Million)
Table 41 ASRS Market for Chemical Industry, By Region, 2013-2022 (USD Million)
Table 42 ASRS Market in Electronics & Semiconductor Industry, By Function, 2013-2022 (USD Million)
Table 43 ASRS Market for Electronics & Semiconductor Industry, By Type, 2013-2022 (USD Million)
Table 44 ASRS Market in Electronics & Semiconductor Industry, By Region, 2013-2022 (USD Million)
Table 45 ASRS Market for Metal & Machinery Industry, By Function, 2013-2022 (USD Million)
Table 46 ASRS Market for Metal & Machinery Industry, By Type, 2013-2022 (USD Million)
Table 47 ASRS Market for Metal & Machinery Industry, By Region, 2013-2022 (USD Million)
Table 48 ASRS Market for E-Commerce Industry, By Function, 2013-2022 (USD Million)
Table 49 ASRS Market for E-Commerce Industry, By Type, 2013-2022 (USD Million)
Table 50 ASRS Market for E-Commerce Industry, By Region, 2013-2022 (USD Million)
Table 51 ASRS Market for Aviation Industry, By Function, 2013-2022 (USD Million)
Table 52 ASRS Market for Aviation Industry, By Type, 2013-2022 (USD Million)
Table 53 ASRS Market for Aviation Industry, By Region, 2013-2022 (USD Million)
Table 54 ASRS Market for Healthcare Industry, By Function, 2013-2022 (USD Million)
Table 55 ASRS Market for Healthcare Industry, By Type, 2013-2022 (USD Million)
Table 56 ASRS Market for Healthcare Industry, By Region, 2013-2022 (USD Million)
Table 57 ASRS Market for 3PL Industry, By Function, 2013-2022 (USD Million)
Table 58 ASRS Market for 3PL Industry, By Type, 2013-2022 (USD Million)
Table 59 ASRS Market for 3PL Industry, By Region, 2013-2022 (USD Million)
Table 60 ASRS Market for Textile Industry, By Function, 2013-2022 (USD Million)
Table 61 ASRS Market for Textile Industry, By Type, 2013-2022 (USD Million)
Table 62 ASRS Market for Textile Industry, By Region, 2013-2022 (USD Million)
Table 63 ASRS Market, By Region, 2013-2022 (USD Million)
Table 64 ASRS Market in North America, By Country, 2013-2022 (USD Million)
Table 65 ASRS Market in North America, By Type, 2013-2022 (USD Million)
Table 66 ASRS Market in North America, By Industry, 2013-2022 (USD Million)
Table 67 ASRS Market in Europe, By Country, 2013-2022 (USD Million)
Table 68 ASRS Market in Europe, By Type, 2013-2022 (USD Million)
Table 69 ASRS Market in Europe, By Industry, 2013-2022 (USD Million)
Table 70 ASRS Market in APAC, By Country, 2013-2022 (USD Million)
Table 71 ASRS Market in APAC, By Type, 2013-2022 (USD Million)
Table 72 ASRS Market in APAC, By Industry, 2013-2022 (USD Million)
Table 73 ASRS Market in RoW, By Region, 2013-2022 (USD Million)
Table 74 ASRS Market in RoW, By Type, 2013-2022 (USD Million)
Table 75 ASRS Market in RoW, By Industry, 2013-2022 (USD Million)
Table 76 Market Rank Analysis of the Top Players in the ASRS System Market, 2015
Table 77 Market Key Developments
Table 78 New Product Launches, 2015-2016
Table 79 Partnerships, Agreements, and Collaborations, 2015-2016
Table 80 Acquisitions & Mergers, 2014-2016
Table 81 Expansion, 2014-2016

List of Figures

Figure 1 Automated Storage and Retrieval System (ASRS) Market
Figure 2 Automated Storage and Retrieval System Market: Research Methodology
Figure 3 Research Methodology
Figure 4 Market Size Estimation Methodology: Bottom-Up Approach
Figure 5 Market Size Estimation Methodology: Top-Down Approach
Figure 6 Data Triangulation : Automated Storage and Retrieval System Market
Figure 7 ASRS Market Size, in Terms of Value, During the Forecast Period
Figure 8 Unit Load Holds the Major Share of the ASRS Type Market During the Forecast Period
Figure 9 Australia to Witness Highest Growth Rate in the APAC ASRS Market Between 2016 and 2022
Figure 10 Automotive Segment to Generate the Maximum Value in ASRS Market, By Industry in 2016
Figure 11 ASRS Market, By Region (2015)
Figure 12 ASRS Market Projected to Register the Fastest Growth in the APAC Region During the Forecast Period
Figure 13 Germany Held the Largest Market Share in Europe in 2015
Figure 14 U.S. Held the Largest Share of the Global ASRS Market in 2015
Figure 15 APAC to Witness the Highest Growth Rate, Followed By Rest of the World During the Forecast Period
Figure 16 Automated Storage and Retrieval System Market Evolution
Figure 17 Demand for ASRS to Be Driven By the Improved Inventory Control and Cost-Effective Utilization of Time, Space, and Equipment
Figure 18 Global Market for Material Handling Equipment in 2015, By Region
Figure 19 ASRS Density vs Throughput
Figure 20 Retail E-Commerce Sales Worldwide, 2013-2018
Figure 21 Global Cold Chain Market, 2014-2020 (USD Billion)
Figure 22 Value Chain Analysis: Maximum Value is Added in the Manufacturing and Systems Integration Stage
Figure 23 Bargaining Power of Buyers Expected to Have A High Impact
Figure 24 Porter's Five Forces Analysis
Figure 25 Automated Storage and Retrieval System Market: Intensity of Rivalry
Figure 26 Automated Storage and Retrieval System Market: Threat of Substitutes
Figure 27 Automated Storage and Retrieval System Market: Bargaining Power of Buyers
Figure 28 Automated Storage and Retrieval System Market: Bargaining Power of Suppliers
Figure 29 Automated Storage and Retrieval System Market: Threat of New Entrants
Figure 30 Automated Storage and Retrieval System Market Segmentation: By Function
Figure 31 ASRS Market, By Function, 2016 vs 2022 (USD Million)
Figure 32 ASRS Market for Assembly Function, By Type, 2016 vs 2022 (USD Million)
Figure 33 ASRS Market for Kitting Function, By Type, 2016 vs 2022 (USD Million)
Figure 34 ASRS Market for Order Picking Function, By Type, 2016-2022 (USD Million)
Figure 35 ASRS Market for Distribution Function, By Type, 2016 vs 2022 (USD Million)
Figure 36 ASRS Market for Storage Function, By Type, 2016 vs 2022 (USD Million)
Figure 37 ASRS Market for Other Functions, By Type, 2016 vs 2022 (USD Million)
Figure 38 Automated Storage & Retrieval System Market Segmentation: By Type
Figure 39 ASRS Market, By Type, 2016 vs 2022 (USD Million)
Figure 40 Unit-Load ASRS Market, By Region, 2016 vs 2022 (USD Million)
Figure 41 Mini-Load ASRS Market, By Region, 2016 vs 2022 (USD Million)
Figure 42 VLM ASRS Market, By Region, 2016 vs 2022 (USD Million)
Figure 43 Carousel ASRS Market, By Region, 2016 vs 2022 (USD Million)
Figure 44 Mid-Load ASRS Market, By Region, 2016 vs 2022 (USD Million)
Figure 45 Autostore ASRS Market, By Region, 2016 vs 2022 (USD Million)
Figure 46 Automated Storage and Retrieval System Market: By Industry
Figure 47 ASRS Market, By Industry, 2016 vs 2022 (USD Million)
Figure 48 ASRS Market for Automotive Industry, By Region, 2016 vs 2022 (USD Million)
Figure 49 ASRS Market for Food & Beverages Industry, By Region, 2016 vs 2022 (USD Million)
Figure 50 ASRS Market for Chemical Industry, By Region, 2016 vs 2022 (USD Million)
Figure 51 ASRS Market for Electronics & Semiconductor Industry, By Region, 2016 vs 2022 (USD Million)
Figure 52 ASRS Market for Metal & Machinery Industry, By Region, 2016 vs 2022 (USD Million)
Figure 53 ASRS Market for E-Commerce Industry, By Region, 2016 vs 2022 (USD Million)
Figure 54 ASRS Market for Aviation Industry, By Region, 2016 vs 2022 (USD Million)
Figure 55 ASRS Market for Healthcare Industry, By Region, 2016 vs 2022 (USD Million)
Figure 56 ASRS Market for 3PL Industry, By Region, 2016 vs 2022 (USD Million)
Figure 57 ASRS Market for Textile Industry, By Region, 2016 vs 2022 (USD Million)
Figure 58 Automated Storage and Retrieval System Market Segmentation: By Geography
Figure 59 Geographic Snapshot (2016-2022)
Figure 60 North America: ASRS Market Segmentation
Figure 61 North America: Market Snapshot
Figure 62 Europe: ASRS Market Segmentation
Figure 63 Europe: Market Snapshot
Figure 64 APAC: ASRS Market Segmentation
Figure 65 APAC: Market Snapshot
Figure 66 RoW: ASRS Market Segmentation
Figure 67 Companies Adopted Contracts as the Key Growth Strategy Between 2014 and 2016
Figure 68 Market Evaluation Framework (2013-2015)
Figure 69 Trends of Developments in ASRS System Market (2013-2016)
Figure 70 Partnerships, Agreements, and Contracts Was the Key Strategy in the Battle for Market Share
Figure 71 Geographic Revenue Mix of the Top 3 Market Players
Figure 72 Daifuku Co., Ltd.: Company Snapshot
Figure 73 Daifuku Co., Ltd.: SWOT Analysis
Figure 74 Kardex Group: Company Snapshot
Figure 75 Kardex Group: SWOT Analysis
Figure 76 Murata Machinery: Company Snapshot
Figure 77 Murata Machinery: SWOT Analysis
Figure 78 Mecalux S.A.: SWOT Analysis
Figure 79 Vanderlande Industries B.V.: Company Snapshot
Figure 80 SSI Schaefer Group: SWOT Analysis
Figure 81 Swisslog Holdings AG: Company Snapshot
Figure 82 Swisslog Holdings AG: SWOT Analysis

Ordering:
Order Online - [http://www.researchandmarkets.com/reports/3782031/](http://www.researchandmarkets.com/reports/3782031/)

Order by Fax - using the form below

Order by Post - print the order form below and send to

Research and Markets,
Guinness Centre,
Taylors Lane,
Dublin 8,
Ireland.
Fax Order Form
To place an order via fax simply print this form, fill in the information below and fax the completed form to 646-607-1907 (from USA) or +353-1-481-1716 (from Rest of World). If you have any questions please visit
http://www.researchandmarkets.com/contact/

Order Information
Please verify that the product information is correct and select the format(s) you require.

Product Name: Automated Storage and Retrieval System (ASRS) Market by Type (Unit Load, Mini Load, VLM, Carousel, Autostore, & Mid load), Function (Assembly, Storage, Order picking, Kitting, & Distribution), Industry, and Geography - Global forecast to 2022
Web Address: http://www.researchandmarkets.com/reports/3782031/
Office Code: SCH3LESL

Product Formats
Please select the product formats and quantity you require:

<table>
<thead>
<tr>
<th>Format</th>
<th>Quantity</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic (PDF) - Single User</td>
<td></td>
<td>USD 5650</td>
</tr>
<tr>
<td>Electronic (PDF) - 1 - 5 Users</td>
<td></td>
<td>USD 6650</td>
</tr>
<tr>
<td>Electronic (PDF) - Site License</td>
<td></td>
<td>USD 8150</td>
</tr>
<tr>
<td>Electronic (PDF) - Enterprisewide</td>
<td></td>
<td>USD 10000</td>
</tr>
</tbody>
</table>

Contact Information
Please enter all the information below in BLOCK CAPITALS

Title: Mr □ Mrs □ Dr □ Miss □ Ms □ Prof □
First Name: ___________________________ Last Name: ___________________________
Email Address: * ___________________________
Job Title: ___________________________
Organisation: ___________________________
Address: ___________________________
City: ___________________________
Postal / Zip Code: ___________________________
Country: ___________________________
Phone Number: ___________________________
Fax Number: ___________________________

* Please refrain from using free email accounts when ordering (e.g. Yahoo, Hotmail, AOL)
Payment Information

Please indicate the payment method you would like to use by selecting the appropriate box.

☐ Pay by credit card: You will receive an email with a link to a secure webpage to enter your credit card details.

☐ Pay by check: Please post the check, accompanied by this form, to:
Research and Markets,
Guinness Center,
Taylors Lane,
Dublin 8,
Ireland.

☐ Pay by wire transfer: Please transfer funds to:
Account number 833 130 83
Sort code 98-53-30
Swift code ULSBIE2D
IBAN number IE78ULSB98533083313083
Bank Address Ulster Bank,
27-35 Main Street,
Blackrock,
Co. Dublin,
Ireland.

If you have a Marketing Code please enter it below:
Marketing Code: ________________________________

Please note that by ordering from Research and Markets you are agreeing to our Terms and Conditions at http://www.researchandmarkets.com/info/terms.asp

Please fax this form to:
(646) 607-1907 or (646) 964-6609 - From USA
+353-1-481-1716 or +353-1-653-1571 - From Rest of World