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Automated Material Handling Equipment: The North American Market

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Abstracts

REPORT SCOPE:

The scope of this report is specifically focused on automated industrial material handling equipment and software systems and programs in North America. The market is broken down by major equipment types, software programs and end user applications and industries. Further, regional breakdown of the markets in the United States and Canada are explored. The market is discussed with estimated values derived from available data.

This report focuses only on automated equipment. References are included for further information on traditional motive power industrial applications for material handling equipment. This report is not focused on the specialized equipment that may be automated for product manufacture. Most of that equipment is of specialized design to meet the needs of the manufacturer. However, the movement of finished goods and packaging and palletizing these goods for shipment to the attached warehouse or distribution centers is included. Material handling equipment is also used in large specialty applications such as ship cargo handling equipment, but this market was not considered.

The following are brief summaries of the chapters included in this report.

Chapter One presents the report's scope, methodology and structure, as well as reasons for doing this study.

Chapter Two provides an executive summary of the information presented in this report.

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Chapter Three introduces automated material handling equipment types, the basis for the classifications used in this report, trade publications, trade shows, trade organizations and major benefits of automated materials handling equipment and software systems.

Chapter Four discusses trends in the industry, introduces the innovative developments that lie ahead and presents challenges for supply chain managers.

Chapter Five provides a comprehensive overview of the automated material handling market and warehouse and supply chain market by equipment and software types. In forecasting the changes in this market, three scenarios are developed based upon several factors that are important for the industry. For the purposes of this report, the geographic areas studied include the United States and Canada. The scenarios developed are then applied to these two countries in Chapter Five.

Chapter Six investigates the market for automated materials handling equipment by application, end users and geographically by regions within the United States and Canada.

Chapter Seven looks at the changes occurring in the industry by examining recently granted patents and patent applications filed. It identifies the major innovators in this market space.

The report concludes with a special focus on the vendor landscape and includes detailed profiles of the major vendors in these markets. Further, it explains the major drivers and dynamics of the market and current trends within the industry.

This report details figures for 2018 and compound annual growth rate (CAGR) projections for 2019 to 2024. A discussion of emerging technologies describes the areas in which research is being performed and incentivized and their anticipated effects in future markets.

Note that values are expressed in millions of dollars. Totals are rounded to the nearest integer (i.e., less than $500,000 is expressed as

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Transportation Management Systems
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Warehouse Execution Systems
Warehouse Management Software
Yard Management Systems
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Association for Advancing Automation
Association for Manufacturing Technology
Conveyor Equipment Manufacturers Association
Contract Packagers Association
Council of Supply Chain Management Professionals
Institute of Packaging Professionals
International Federation of Robotics
Industrial Truck Association
Material Handling Equipment Distributors Association
Material Handling Industry
Organization for Machine Automation and Control
OpX Leadership Network
Robotic Industries Association
Association for Packaging and Processing Technologies
SME
Warehouse Education and Research Council
World Packaging Organization
Automated Material Handling Trade Publications
Automation World
Contract Processing
DC Velocity
Inbound Logistics
Logistics Management
Material Handling & Logistics
Material Handling 24/7
Material Handling Network
MHI Solutions
Modern Materials Handling
OEM
Packaging World
Parcel Magazine
ProFood World
Robotics Business Review
Supply Chain Management Review
Supply Chain 24/7
Automated Material Handling Trade Shows
Automate
Automation World Conference & Expo
Houstex

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International Manufacturing Technology Show
Modex
NextGen Supply Chain Conference
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Supply Chain Challenges
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AAGARD GROUP LLC
ADCO MANUFACTURING
ACCUTECH PACKAGING INC.
AEGIS SORTATION
AETHON
AGVE (THE MURATEC GROUP)
ALLIEDFLEX TECHNOLOGIES INC.
AMERDEN INC.
AMERICAN INDUSTRIAL SYSTEMS INC.
APTEAN

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ASCENT GLOBAL LOGISTICS
ASPEN TECHNOLOGY INC.
AUTOGUIDE
AUTOMATED PACKAGING SYSTEMS INC.
AUTOSTORE
AWARE INNOVATIONS
BASTIAN SOLUTIONS
BEUMER CORP.
BERKSHIRE GREY INC.
BLUJAY SOLUTIONS INC.
BOSSA NOVA ROBOTICS
C3 SOLUTIONS
C. H. ROBINSON WORLDWIDE INC.
C&D SKILLED ROBOTICS INC.
CARTER CONTROL SYSTEMS INC.
CERASIS INC.
CIMCORP GROUP
COLUMBIA MACHINE INC.
COMAU LLC
CONVEYCO TECHNOLOGIES INC.
CORECON
CORVUS ROBOTICS INC.
COUSINS PACKAGING INC.
CREFORM
CTSI GLOBAL
DAIFUKU NORTH AMERICA
DANE TECHNOLOGIES
DEMATIC CORP.
DENSO ROBOTICS
DEPOSCO INC.
DESCARTES SYSTEMS GROUP INC.
DISTRIBUTION TECHNOLOGY
DOUGLAS MACHINE INC.
EAM-MOSCA CORP.
E2OPEN
ELETTRIC80
ELITE STORAGE SOLUTIONS
EMERSON
ENCOMPASS TECHNOLOGIES

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ENGINEERING INNOVATION, INC.
EPICOR SOFTWARE CORP.
EPSON ROBOTS
EXOTEC SOLUTIONS
FANUC ROBOTICS AMERICA CORP.
FETCH ROBOTICS
FIVES INTRALOGISTICS
FMH CONVEYORS
FORTIGO
FORTNA
FRAZIER INDUSTRIAL CO.
GENERIX GROUP NORTH AMERICA
GRENZEBACH CORP.
GREYORANGE
HANEL STORAGE SYSTEMS
HIGHJUMP
HMS INDUSTRIAL NETWORKS AB
HONEYWELL INTELLIGRATED
HYTROL CONVEYOR CO. INC.
IAM ROBOTICS
IFS
INFOR GLOBAL SOLUTIONS
INTEK INTEGRATION TECHNOLOGIES INC.
INTERLAKE MECALUX
INTERNATIONAL BUSINESS MACHINES CORP. (IBM)
INTERROLL AG
INTHER INTEGRATED SYSTEMS
INTRALOX
INVIA ROBOTICS
INVATA INTRALOGISTICS
JAGGAER
JASCI SOFTWARE
JBT CORP.
JDA SOFTWARE
KARDEX REMSTAR
KNAPP INC.
KUEBIX
LOCUS ROBOTICS
LOGILITY INC.

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LOGISTYX TECHNOLOGIES
LUCAS SYSTEMS, INC.
MANHATTAN ASSOCIATES
MATTHEWS AUTOMATION SOLUTIONS
MIAS GROUP
MICROSOFT CORP.
MILLWOOD INC.
MITSUBISHI ELECTRIC AUTOMATION INC.
MODULA INC.
MURATEC (MURATA MACHINERY USA INC.)
NACHI ROBOTIC SYSTEMS INC.
NERAK SYSTEMS INC.
NEXTSHIFT ROBOTICS
NPI
OCEANEERING INTERNATIONAL INC.
OMRON AUTOMATION AMERICAS
OPEX CORP.
ORACLE INTERNATIONAL CORP.
OTTO MOTORS
PACKSIZE INTERNATIONAL LLC
PAR SYSTEMS
PATHGUIDE TECHNOLOGIES INC.
PIERBRIDGE INC.
PINC
PORTABLE INTELLIGENCE, INC.
PRODUCTIVE ROBOTICS INC.
PSI ENGINEERING
QUALITY SOFTWARE SYSTEMS INC. (QSSI)
R2 LOGISTICS
RATELINX
RAYMOND CORP.
RETHINK ROBOTICS INC.
RIGHTHAND ROBOTICS INC.
ROBOPAC USA
ROBOTIQ
SAP AMERICA INC.
SAVANT AUTOMATION INC.
SCHAEFER SYSTEMS INTERNATIONAL, NORTH AMERICA
SEALED AIR CORP.

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SEEGRID CORP.
SEKO LOGISTICS
SENCORPWHITE
SHEER LOGISTICS
SIEMENS AG
SI SYSTEMS
SIMBE ROBOTICS
SOFT ROBOTICS
SOFTEON
STAUBLI
SWANLEAP
SWISSLOG LOGISTICS
SYMBOTIC USA
TAB WRAPPER TORNADO
TECH KING OPERATIONS (TREW)
TECSYS INC.
TGW LOGISTICS GROUP
TM ROBOTICS (AMERICAS) INC.
TOMPKINS INTERNATIONAL
TRANSBOTICS (SCOTT AUTOMATION)
TRANSPLACE
TRANSPORTATION IMPACT
TRANSPORTATION INSIGHT
UNARCORACK
UNIVERSAL ROBOTS USA
VANDERLANDE INDUSTRIES INC.
VARGO
VCO SYSTEMS
VECNA ROBOTICS
VIASTORE SYSTEMS GMBH
VOODOO ROBOTICS
WAYPOINT ROBOTICS INC.
WESTFALIA TECHNOLOGIES INC.
WESTROCK
WILDECK INC.
WOLF ROBOTICS LLC
YALE MATERIALS HANDLING CORP.
YRG INC.
ZAYTRAN INC.

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ZEBRA TECHNOLOGIES CORP.

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