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Machine Control System Market by Type (Total Stations, Global Navigation Satellite Systems, Laser Scanners, Sensors), Equipment (Excavators, Loaders, Graders, Dozers, Scrapers, Paving Systems), Vertical, and Region - Global Forecast to 2024

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Abstracts

“Machine Control System market to grow at CAGR of 8.16% from 2019 to 2024”

The machine control system market is expected to grow from USD 4.5 billion in 2019 to USD 6.6 billion by 2024—growing at a CAGR of 8.16%. Major factors driving the machine control system market growth are the elimination of the need for bulk earthworks set out and survey pegging using machine control systems and the need for faster work and more efficiency during tighter timelines. However, high initial investment and a dearth of technical expertise are the factors that hinder the market growth. Rising demand for machine-guided technologies in emerging economies in APAC create opportunities for market players, whereas maintaining reliability and accuracy of data offered by machine control systems based on GNNS technology is a major challenge for these market players.

Infrastructure vertical is expected to hold largest share of machine control system market during forecast period

The infrastructure vertical is expected to hold the largest share of the machine control system market during the forecast period. In infrastructural projects, machine control solutions are primarily used while laying rail tracks, banking of roads, building tunnels through mountains or underwater, building airports and airstrips, and building bridges, among various other tasks. Population growth and internal migration in APAC over the past decade have prompted governments to continue to increase expenditure on

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infrastructure. APAC has also been witnessing a growing number of airports, dams, hydroelectric projects, roads, and bridges. The Middle East has also seen tremendous growth in infrastructure in the past 2 decades; the infrastructure spending in the region is projected to continue in the next 5 years.

The market for machine control systems deployed in excavators is expected to hold the largest share during the forecast period

The market for machine control systems deployed in excavators is expected to hold the largest share during the forecast period. Excavators are used for several purposes, such as digging, material handling, forestry work, demolition, general grading, mining, and snow removal. It consists of a boom, dipper (or stick), bucket, and cabin on the rotating platform, which is known as house. The movements of the excavator are accomplished by hydraulic fluids, cylinders, and motors. The market for excavators is largely driven by its benefit of faster, more precise, and more efficient excavation. Excavators usually have a control system mounted on them to enhance flexibility, accuracy, and efficiency at the construction site.

Machine control system market in APAC is projected to hold the largest share and grow at highest CAGR during forecast period.

Machine control system market in APAC is projected to hold the largest share and grow at highest CAGR during forecast period. This market is further divided into China, Japan, and the Rest of APAC. Rest of APAC primarily includes India, Australia, Taiwan, Singapore, Thailand, Malaysia, Indonesia, Vietnam, and the Philippines. China is the largest market among all APAC countries. Advancements in agricultural practices involving precision farming have accelerated growth of the agriculture industry. The Australian government is enhancing transport systems, and use of machine-guided solutions in the transportation industry is expected to grow. Australian rail is among the most modern and sophisticated transport in the world. Rapid urbanization and development and expansion of new cities are the key factors driving the growth of the infrastructure sector, including construction and transportation.

Breakdown of primary participants’ profile:

By Company Type: Tier 1 - 30%, Tier 2 - 30%, and Tier 3 - 40%

By Designation: C-Level Executives - 45%, Directors - 30%, and Others - 25%

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By Region: North America - 30%, Europe - 40%, APAC - 25%, and RoW - 5%

Topcon (Japan), Trimble (US), Hexagon (Sweden), MOBA Mobile Automation (Germany), Hemisphere GNSS (US) and Eos Positioning Systems (US) are a few major players in the machine control system market.

Research Coverage:

Various market segments have been covered in this report. These include equipment, type, vertical, and geography. It also gives a detailed view of the market across 4 main regions: North America, Europe, APAC, and RoW.

Reasons to Buy the Report:

This report includes statistics pertaining to the machine control system market in terms of equipment, type, vertical, and region, along with their respective market sizes.

Major drivers, restraints, opportunities, and challenges for the machine control system market have been provided in detail in this report.

The report includes illustrative segmentation, analysis, and forecast for the machine control system market based on its segments and subsegments.

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Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES
1.2 DEFINITION
1.3 STUDY SCOPE
  1.3.1 MARKETS COVERED
  1.3.2 YEARS CONSIDERED
1.4 CURRENCY
1.5 PACKAGE SIZE
1.6 LIMITATIONS
1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA
  2.1.1 SECONDARY AND PRIMARY RESEARCH
  2.1.2 SECONDARY DATA
    2.1.2.1 Key data from secondary resources
  2.1.3 PRIMARY DATA
    2.1.3.1 Breakdown of primaries
    2.1.3.2 Key data from primary sources
2.2 MARKET SIZE ESTIMATION
  2.2.1 BOTTOM-UP APPROACH
  2.2.2 TOP-DOWN APPROACH
2.3 MARKET BREAKDOWN AND DATA TRIANGULATION
2.4 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN MACHINE CONTROL SYSTEM MARKET
4.2 MACHINE CONTROL SYSTEM MARKET, BY TYPE
4.3 MACHINE CONTROL SYSTEM MARKET, BY EQUIPMENT
4.4 MACHINE CONTROL SYSTEM MARKET FOR EXCAVATORS, IN TERMS OF VOLUME, BY TYPE AND REGION
4.5 MACHINE CONTROL SYSTEM MARKET, BY GEOGRAPHY

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5 MARKET OVERVIEW

5.1 INTRODUCTION
5.2 MARKET DYNAMICS
5.2.1 DRIVERS
5.2.1.1 Elimination of need for bulk earthworks setout and survey pegging using machine control systems
5.2.1.2 Need for faster work and more efficiency during tighter timelines
5.2.1.3 Safety concerns related to workers and heavy construction machinery
5.2.2 RESTRAINTS
5.2.2.1 High initial investment
5.2.2.2 Dearth of technical expertise
5.2.3 OPPORTUNITIES
5.2.3.1 Growing demand for machine guided technologies in developing countries in APAC
5.2.4 CHALLENGES
5.2.4.1 Maintaining reliability and accuracy in data provided by machine control systems based on GNSS technology

6 MACHINE CONTROL SYSTEM MARKET, BY TYPE

6.1 INTRODUCTION
6.2 TOTAL STATIONS
6.2.1 TOTAL STATIONS ARE USED FOR 3D GRADE CONTROL SYSTEMS
6.3 GLOBAL NAVIGATION SATELLITE SYSTEMS (GNSS)
6.3.1 GNSS IS THE MOST COMMONLY USED MACHINE CONTROL SYSTEM
6.4 LASER
6.4.1 LASERS ARE MOSTLY USED TO PROVIDE ELEVATION CONTROL
6.5 SENSORS
6.5.1 ANGLE SENSORS AND ROTATIONAL SENSORS ARE USED FOR MACHINE CONTROL SYSTEM

7 MACHINE CONTROL SYSTEM MARKET, BY EQUIPMENT

7.1 INTRODUCTION
7.2 EXCAVATORS
7.2.1 EXCAVATORS ARE USED FOR SEVERAL PURPOSES, SUCH AS DIGGING, MATERIAL HANDLING, FORESTRY WORK, DEMOLITION, AND GENERAL

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GRADING
7.3 LOADERS
7.3.1 LOADERS ARE MOSTLY USED IN CONSTRUCTION TO MOVE CONSTRUCTION MATERIAL, AND DEMOLITION REMAINS
7.4 GRADERS
7.4.1 GRADERS ARE USED TO PRECISELY LEVEL THE GROUND
7.5 DOZERS
7.5.1 DOZERS ARE USED IN MINES, QUARRIES, HEAVY INDUSTRIAL ENGINEERING PROJECTS, AND FARMS
7.6 SCRAPERS
7.6.1 SCRAPERS ARE USED IN EARTHMOVING, MINING, CONSTRUCTION, AND AGRICULTURE APPLICATIONS
7.7 PAVING SYSTEMS
7.7.1 MACHINE CONTROL SYSTEMS FOR PAVING SYSTEMS COMPRISE SONIC SENSORS, SLOPE SENSORS, CONTACT SENSORS, 3D SLOPES, AND 3D ELEVATION CONTROL

8 MACHINE CONTROL SYSTEM MARKET, BY VERTICAL

8.1 INTRODUCTION
8.2 INFRASTRUCTURE
8.2.1 INFRASTRUCTURE IS THE LARGEST VERTICAL FOR MACHINE CONTROL SYSTEMS MARKET
8.3 COMMERCIAL
8.3.1 COMMERCIAL VERTICAL IS EXPECTED TO GROW AT FASTEST RATE IN MACHINE CONTROL SYSTEMS MARKET
8.4 RESIDENTIAL
8.4.1 RESIDENTIAL IS ONE OF THE FASTEST GROWING VERTICALS FOR MACHINE CONTROL SYSTEM
8.5 INDUSTRIAL
8.5.1 INDUSTRIAL IS AN UPCOMING VERTICAL FOR MACHINE CONTROL SYSTEM

9 GEOGRAPHIC ANALYSIS

9.1 INTRODUCTION
9.2 NORTH AMERICA
9.2.1 US
9.2.1.1 US is expected to continue to command the machine control system market in

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North America
9.2.2 CANADA
9.2.2.1 Factors such as high demand for technologically advanced equipment drive machine control market in Canada
9.2.3 MEXICO
9.2.3.1 Expansion in construction activities coupled with the government support is driving the demand for machine control system in Mexico
9.3 EUROPE
9.3.1 GERMANY
9.3.1.1 Germany is a major market for machine control system in Europe
9.3.2 UK
9.3.2.1 Increasing government initiatives to meet infrastructure demands is expected to drive the machine control system market in the UK
9.3.3 FRANCE
9.3.3.1 Government’s investment in construction industry expected to drive the machine control system market in France
9.3.4 REST OF EUROPE (ROE)
9.4 ASIA PACIFIC (APAC)
9.4.1 CHINA
9.4.1.1 China accounts for the largest share of the machine control system market in APAC
9.4.2 JAPAN
9.4.2.1 Growing investments in residential and infrastructure markets are expected to boost machine control system market in Japan
9.4.3 REST OF APAC
9.5 REST OF THE WORLD (ROW)
9.5.1 MIDDLE EAST & AFRICA (MEA)
9.5.1.1 Key countries driving machine control system market in Middle East & Africa include Qatar, Israel, Saudi Arabia, and the UAE
9.5.2 SOUTH AMERICA
9.5.2.1 Rapid construction of residential and commercial buildings are expected to drive the demand for machine control system market in South America

10 COMPETITIVE LANDSCAPE

10.1 OVERVIEW
10.2 RANKING ANALYSIS OF KEY PLAYERS IN MACHINE CONTROL SYSTEM MARKET
10.3 COMPETITIVE SITUATIONS AND TRENDS

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10.3.1 PRODUCT LAUNCHES
10.3.2 AGREEMENTS, PARTNERSHIPS, COLLABORATIONS, & CONTRACTS
10.3.3 ACQUISITIONS
10.3.4 EXPANSIONS
10.4 COMPETITIVE LEADERSHIP MAPPING, 2018
10.4.1 VISIONARY LEADERS
10.4.2 DYNAMIC DIFFERENTIATORS
10.4.3 INNOVATORS
10.4.4 EMERGING COMPANIES

11 COMPANY PROFILES

11.1 INTRODUCTION
(Business Overview, Products Offered, Recent Developments, SWOT Analysis, and MnM View)*
11.2 MACHINE CONTROL SYSTEM PROVIDERS
11.2.1 HEXAGON (LEICA GEOSYSTEMS AG)
11.2.2 TOPCON CORPORATION
11.2.3 TRIMBLE INC.
11.2.4 MOBA MOBILE AUTOMATION AG
11.2.5 HEMISPHERE GNSS
11.2.6 PROLEC LTD.
11.2.7 EOS POSITIONING SYSTEMS
11.3 CONSTRUCTION EQUIPMENT PROVIDERS
11.3.1 KOMATSU LTD.
11.3.2 CATERPILLAR
11.3.3 VOLVO CONSTRUCTION EQUIPMENT
11.3.4 LIEBHERR
11.3.5 JCB
11.3.6 KOBELCO CONSTRUCTION MACHINERY CO., LTD.
11.3.7 HITACHI CONSTRUCTION MACHINERY CO., LTD.
11.3.8 HYUNDAI CONSTRUCTION EQUIPMENT CO., LTD.
*Details on Business Overview, Products Offered, Recent Developments, SWOT Analysis, and MnM View might not be captured in case of unlisted companies.

12 APPENDIX

12.1 INSIGHTS OF INDUSTRY EXPERTS
12.2 DISCUSSION GUIDE

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12.3 KNOWLEDGE STORE: MARKETSANDMARKETS’ SUBSCRIPTION PORTAL
12.4 AVAILABLE CUSTOMIZATIONS
12.5 RELATED REPORTS
12.6 AUTHOR DETAILS

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List Of Tables

LIST OF TABLES

TABLE 1 MACHINE CONTROL SYSTEM MARKET, BY TYPE, 2016–2024 (UNITS)
TABLE 2 MACHINE CONTROL SYSTEM MARKET, BY TYPE, 2016–2024 (USD MILLION)
TABLE 3 MACHINE CONTROL SYSTEM MARKET FOR TOTAL STATIONS, BY EQUIPMENT, 2016–2024 (UNITS)
TABLE 4 MACHINE CONTROL SYSTEM MARKET FOR TOTAL STATIONS, BY EQUIPMENT, 2016–2024 (USD MILLION)
TABLE 5 MACHINE CONTROL SYSTEM MARKET FOR GNSS, BY EQUIPMENT, 2016–2024 (UNITS)
TABLE 6 MACHINE CONTROL SYSTEM MARKET FOR GNSS, BY EQUIPMENT, 2016–2024 (USD MILLION)
TABLE 7 MACHINE CONTROL SYSTEM MARKET FOR LASER SCANNERS, BY EQUIPMENT, 2016–2024 (UNITS)
TABLE 8 MACHINE CONTROL SYSTEM MARKET FOR LASER SCANNERS, BY EQUIPMENT, 2016–2024 (USD MILLION)
TABLE 9 MACHINE CONTROL SYSTEM MARKET FOR SENSORS, BY EQUIPMENT, 2016–2024 (UNITS)
TABLE 10 MACHINE CONTROL SYSTEM FOR SENSORS, BY EQUIPMENT, 2016–2024 (USD MILLION)
TABLE 11 MACHINE CONTROL SYSTEM MARKET, BY EQUIPMENT, 2016–2024 (USD MILLION)
TABLE 12 MACHINE CONTROL SYSTEM MARKET, BY EQUIPMENT, 2016–2024 (UNITS)
TABLE 13 MACHINE CONTROL SYSTEM MARKET FOR EXCAVATORS, BY REGION, 2016–2024 (UNITS)
TABLE 14 MACHINE CONTROL SYSTEM MARKET FOR EXCAVATORS, BY REGION, 2016–2024 (USD MILLION)
TABLE 15 MACHINE CONTROL SYSTEM MARKET FOR EXCAVATORS, BY TYPE, 2016–2024 (UNITS)
TABLE 16 MACHINE CONTROL SYSTEM MARKET FOR EXCAVATORS, BY TYPE, 2016–2024 (USD MILLION)
TABLE 17 MACHINE CONTROL SYSTEM MARKET FOR LOADERS, BY REGION, 2016–2024 (UNIT)
TABLE 18 MACHINE CONTROL SYSTEM MARKET FOR LOADERS, BY REGION, 2016–2024 (USD MILLION)

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TABLE 19 MACHINE CONTROL SYSTEM MARKET FOR LOADERS, BY TYPE, 2016–2024 (UNIT)
TABLE 20 MACHINE CONTROL SYSTEM MARKET FOR LOADERS, BY TYPE, 2016–2024 (USD MILLION)
TABLE 21 MACHINE CONTROL SYSTEM MARKET FOR GRADERS, BY REGION, 2016–2024 (UNITS)
TABLE 22 MACHINE CONTROL SYSTEM MARKET FOR GRADERS, BY REGION, 2016–2024 (USD MILLION)
TABLE 23 MACHINE CONTROL SYSTEM MARKET FOR GRADERS, BY TYPE, 2016–2024 (UNITS)
TABLE 24 MACHINE CONTROL SYSTEM MARKET FOR GRADERS, BY TYPE, 2016–2024 (USD MILLION)
TABLE 25 MACHINE CONTROL SYSTEM MARKET FOR DOZERS, BY REGION, 2016–2024 (UNITS)
TABLE 26 MACHINE CONTROL SYSTEM MARKET FOR DOZERS, BY REGION, 2016–2024 (USD MILLION)
TABLE 27 MACHINE CONTROL SYSTEM MARKET FOR DOZERS, BY TYPE, 2016–2024 (UNITS)
TABLE 28 MACHINE CONTROL SYSTEM MARKET FOR DOZERS, BY TYPE, 2016–2024 (USD MILLION)
TABLE 29 MACHINE CONTROL SYSTEM MARKET FOR SCRAPERS, BY REGION, 2016–2024 (UNITS)
TABLE 30 MACHINE CONTROL SYSTEM MARKET FOR SCRAPERS, BY REGION, 2016–2024 (USD MILLION)
TABLE 31 MACHINE CONTROL SYSTEM MARKET FOR SCRAPERS, BY TYPE, 2016–2024 (UNITS)
TABLE 32 MACHINE CONTROL SYSTEM MARKET FOR SCRAPERS, BY TYPE, 2016–2024 (USD MILLION)
TABLE 33 MACHINE CONTROL SYSTEM MARKET FOR PAVING SYSTEMS, BY REGION, 2016–2024 (UNITS)
TABLE 34 MACHINE CONTROL SYSTEM MARKET FOR PAVING SYSTEMS, BY REGION, 2016–2024 (USD MILLION)
TABLE 35 MACHINE CONTROL SYSTEM MARKET FOR PAVING SYSTEMS, BY TYPE, 2016–2024 (UNITS)
TABLE 36 MACHINE CONTROL SYSTEM MARKET FOR PAVING SYSTEMS, BY TYPE, 2016–2024 (USD MILLION)
TABLE 37 MACHINE CONTROL SYSTEM MARKET, BY VERTICAL, 2016–2024 (UNITS)
TABLE 38 MACHINE CONTROL SYSTEM MARKET, BY VERTICAL, 2016–2024 (USD

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MILLION)
TABLE 39 MACHINE CONTROL SYSTEM MARKET FOR INFRASTRUCTURE, BY REGION, 2016–2024 (UNITS)
TABLE 40 MACHINE CONTROL SYSTEM MARKET FOR INFRASTRUCTURE, BY REGION, 2016–2024 (USD MILLION)
TABLE 41 MACHINE CONTROL SYSTEM MARKET FOR COMMERCIAL, BY REGION, 2016–2024 (UNITS)
TABLE 42 MACHINE CONTROL SYSTEM MARKET FOR COMMERCIAL, BY REGION, 2016–2024 (USD MILLION)
TABLE 43 MACHINE CONTROL SYSTEM MARKET FOR RESIDENTIAL, BY REGION, 2016–2024 (UNITS)
TABLE 44 MACHINE CONTROL SYSTEM MARKET FOR RESIDENTIAL, BY REGION, 2016–2024 (USD MILLION)
TABLE 45 MACHINE CONTROL SYSTEM MARKET FOR INDUSTRIAL, BY REGION, 2016–2024 (UNITS)
TABLE 46 MACHINE CONTROL SYSTEM MARKET FOR INDUSTRIAL, BY REGION, 2016–2024 (USD MILLION)
TABLE 47 MACHINE CONTROL SYSTEM MARKET, BY REGION, 2016–2024 (USD MILLION)
TABLE 48 MACHINE CONTROL SYSTEM MARKET, BY REGION, 2016–2024 (UNITS)
TABLE 49 MACHINE CONTROL SYSTEM MARKET IN NORTH AMERICA, BY EQUIPMENT, 2016–2024 (USD MILLION)
TABLE 50 MACHINE CONTROL SYSTEM MARKET IN NORTH AMERICA, BY COUNTRY, 2016–2024 (UNITS)
TABLE 51 MACHINE CONTROL SYSTEM MARKET IN NORTH AMERICA, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 52 MACHINE CONTROL SYSTEM MARKET IN EUROPE, BY EQUIPMENT, 2016–2024 (USD MILLION)
TABLE 53 MACHINE CONTROL SYSTEM MARKET IN EUROPE, BY COUNTRY, 2016–2024 (UNITS)
TABLE 54 MACHINE CONTROL SYSTEM MARKET IN EUROPE, BY COUNTRY, 2016–2024 (USD MILLION)
TABLE 55 MACHINE CONTROL SYSTEM MARKET IN APAC, BY EQUIPMENT, 2016–2024 (USD MILLION)
TABLE 56 MACHINE CONTROL SYSTEM MARKET IN APAC, BY COUNTRY, 2016–2024 (UNITS)
TABLE 57 MACHINE CONTROL SYSTEM MARKET IN APAC, BY COUNTRY, 2016–2024 (USD MILLION)

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TABLE 58 MACHINE CONTROL SYSTEM MARKET IN ROW, BY EQUIPMENT, 2016–2024 (USD MILLION)
TABLE 59 MACHINE CONTROL SYSTEM MARKET IN ROW, BY REGION, 2016–2024 (UNITS)
TABLE 60 MACHINE CONTROL SYSTEM MARKET IN ROW, BY REGION, 2016–2024 (USD MILLION)
TABLE 61 PRODUCT LAUNCHES, 2018
TABLE 62 AGREEMENTS, PARTNERSHIPS, COLLABORATIONS, & CONTRACTS,
TABLE 63 ACQUISITIONS, 2018
TABLE 64 EXPANSIONS, 2017

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List Of Figures

LIST OF FIGURES

FIGURE 1 RESEARCH DESIGN
FIGURE 2 PROCESS FLOW OF MARKET SIZE ESTIMATION
FIGURE 3 BOTTOM-UP APPROACH
FIGURE 4 TOP-DOWN APPROACH
FIGURE 5 DATA TRIANGULATION
FIGURE 6 GNSS TO EXHIBIT HIGHEST CAGR IN MACHINE CONTROL SYSTEM MARKET (BY VOLUME) DURING 2019–2024
FIGURE 7 COMMERCIAL VERTICAL TO WITNESS HIGHEST CAGR IN MACHINE CONTROL SYSTEM MARKET (IN VOLUME) DURING 2019–2024
FIGURE 8 EXCAVATORS TO ACCOUNT FOR LARGEST SIZE OF MACHINE CONTROL SYSTEM MARKET, IN TERMS OF VALUE, DURING 2019–2024
FIGURE 9 APAC TO REGISTER HIGHEST CAGR IN MACHINE CONTROL SYSTEM MARKET, IN TERMS OF VALUE, DURING 2019–2024
FIGURE 10 NEED FOR FASTER WORK AND MORE EFFICIENCY DURING TIGHTER TIMELESS TO DRIVE MACHINE CONTROL SYSTEM MARKET
FIGURE 11 GNSS TO ACCOUNT FOR LARGEST SIZE OF MACHINE CONTROL SYSTEM MARKET, IN TERMS OF VOLUME, DURING FORECAST PERIOD
FIGURE 12 EXCAVATORS TO ACCOUNT FOR LARGEST SIZE OF MACHINE CONTROL SYSTEM MARKET, IN TERMS OF VOLUME, BY 2024
FIGURE 13 GNSS AND APAC TO HOLD LARGEST SHARE OF MACHINE CONTROL SYSTEM MARKET FOR EXCAVATORS, BY TYPE AND REGION, RESPECTIVELY, IN 2019
FIGURE 14 CHINA TO EXHIBIT HIGHEST CAGR IN MACHINE CONTROL SYSTEM MARKET IN THERMS OF VOLUME FROM 2019 TO 2024
FIGURE 15 MACHINE CONTROL SYSTEM MARKET DYNAMICS
FIGURE 16 GNSS TO ACCOUNT FOR LARGEST SIZE OF MACHINE CONTROL SYSTEM MARKET, IN TERMS OF VALUE, DURING FORECAST PERIOD
FIGURE 17 EXCAVATORS TO ACCOUNT FOR LARGEST SIZE OF MACHINE CONTROL SYSTEM MARKET FOR GNSS DURING FORECAST PERIOD
FIGURE 18 EXCAVATORS TO ACCOUNT FOR LARGEST SIZE OF MACHINE CONTROL SYSTEM MARKET FOR SENSORS DURING FORECAST PERIOD
FIGURE 19 EXCAVATORS TO ACCOUNT FOR LARGEST SIZE OF MACHINE CONTROL SYSTEM MARKET DURING FORECAST PERIOD
FIGURE 20 APAC TO DOMINATE MACHINE CONTROL SYSTEM MARKET FOR EXCAVATORS DURING FORECAST PERIOD

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FIGURE 21 GNSS TO WITNESS HIGHEST CAGR IN MACHINE CONTROL SYSTEM MARKET FOR LOADERS DURING FORECAST PERIOD
FIGURE 22 APAC TO EXHIBIT HIGHEST CAGR IN MACHINE CONTROL SYSTEM MARKET FOR DOZERS DURING 2019–2024
FIGURE 23 NORTH AMERICAN MACHINE CONTROL SYSTEM MARKET FOR PAVING SYSTEMS TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD
FIGURE 24 INFRASTRUCTURE TO ACCOUNT FOR THE LARGEST OF MACHINE CONTROL SYSTEM MARKET DURING THE FORECAST PERIOD
FIGURE 25 APAC TO GROW AT FASTEST RATE IN MACHINE CONTROL SYSTEM MARKET FOR COMMERCIAL DURING THE FORECAST PERIOD
FIGURE 26 APAC TO GROW AT FASTEST RATE IN MACHINE CONTROL SYSTEM MARKET FOR INDUSTRIAL DURING THE FORECAST PERIOD
FIGURE 27 MACHINE CONTROL SYSTEM MARKET, BY GEOGRAPHY
FIGURE 28 SNAPSHOT OF MACHINE CONTROL SYSTEM MARKET IN NORTH AMERICA
FIGURE 29 SNAPSHOT OF MACHINE CONTROL SYSTEM MARKET IN EUROPE
FIGURE 30 SNAPSHOT OF MACHINE CONTROL SYSTEM MARKET IN APAC
FIGURE 31 SNAPSHOT OF MACHINE CONTROL SYSTEM MARKET IN ROW
FIGURE 32 COMPANIES ADOPTED PRODUCT LAUNCHES AS KEY GROWTH STRATEGY IN 2018
FIGURE 33 MACHINE CONTROL SYSTEM MARKET: RANKING ANALYSIS OF KEY COMPANIES
FIGURE 34 MACHINE CONTROL SYSTEM MARKET (GLOBAL) COMPETITIVE LEADERSHIP MAPPING, 2018
FIGURE 35 HEXAGON (LEICA GEOSYSTEMS AG): COMPANY SNAPSHOT
FIGURE 36 TOPCON CORPORATION: COMPANY SNAPSHOT
FIGURE 37 TRIMBLE INC.: COMPANY SNAPSHOT
FIGURE 38 KOMATSU LTD.: COMPANY SNAPSHOT
FIGURE 39 CATERPILLAR: COMPANY SNAPSHOT
FIGURE 40 VOLVO CONSTRUCTION EQUIPMENT: COMPANY SNAPSHOT
FIGURE 41 LIEBHERR: COMPANY SNAPSHOT
FIGURE 42 HITACHI CONSTRUCTION MACHINERY CO., LTD.: COMPANY SNAPSHOT

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