

Smart Machines: Technologies and Global Markets

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Abstracts

REPORT SCOPE:

This report identifies and quantifies the potential market for various types of smart machines, including %li%

Expert systems (e.g., medical decision support systems, smart grid).

Embedded software (machine monitoring and control systems).

Autonomous robots (including self-driving vehicles).

Purpose-built smart machines (such as neural computers).

Virtual reality assistants (e.g., Siri).

Intelligent agents (e.g., automated online assistants).

These technologies are generally at an early stage of development, so it will be necessary to consider the market at least as far out as 2026 to obtain meaningful results. A separate section of the report discusses the development and future sales of key enabling technologies for the next generation of smart machines, such as %li%

Voice recognition technology.

Micro%li%and nanosensors.

Radio frequency technologies.

Neurocomputing.

The study format includes the following major elements %li%

Executive summary.

Definitions.

Historical milestones.

Technologies and applications that have the greatest commercial potential through 2026.

Detailed market estimates and projections for each technology and application during the period 2021 to 2026.

Companies, academic and government laboratories that are developing smart machines.

REPORT INCLUDES:

77 tables

An updated review of the global markets for smart machines and related cognitive computing technology systems

Analyses of the global market trends, with data from 2019-2020, estimates for 2021, and projections of compound annual growth rates (CAGRs) through 2026

Evaluation and forecast the smart machines market size (product sales in USD millions), and corresponding market share analysis by type of technology, application, and geographic region

Discussion of the smart machine products and related technologies with the greatest commercial potential over the next five years (2021 to 2026)

Assessment of the key drivers and constraints that will shape the market for these products and technologies over the next five years

Estimating the current and future demand for smart machine products and enabling technologies

Identification of the companies best positioned to meet this demand owing to their proprietary technologies, mergers and acquisitions, new product developments, and other growth strategies

Descriptive profiles of the major market players including Bristol Robotics Laboratory, Crouzet, Robotic Technology Inc., Applied Analytic Systems, Brain Corp., CrossBar Inc., Qualcomm Inc., Siemens AG, BAE, Caterpillar, iRobot, Samsung, Intel Corp., Creative Virtual

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INTERNATIONAL BUSINESS MACHINES CORP.
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ROBOTIC VISION TECHNOLOGIES LLC
Expert Systems
AK?LEX INC.
EXSYS INC.
ISABEL HEALTHCARE
LOGICAL IMAGES INC.
MASSACHUSETTS GENERAL HOSPITAL
VANGUARD SOFTWARE CORP.
Neurocomputing
AB NONLINEAR SOLUTIONS OY
ALYUDA RESEARCH LLC

AND CORP.
APPLIED ANALYTIC SYSTEMS
BRAIN CORP.
CHURCHILL SYSTEMS INC.
CROSSBAR INC.
HOLOGIC INC.
HRL LABORATORIES LLC
INTELLIDYNAMICS
NEURODIMENSION INC.
NEURALWARE
GEOLITICA
QUALCOMM INC.
SCHILLER AG
SIEMENS AG
WARD SYSTEMS GROUP INC.
Autonomous Robots
BAE SYSTEMS PLC
CATERPILLAR INC.
DORHOUT R&D LLC
FETCH ROBOTICS INC.
GENERAL DYNAMICS MISSION SYSTEMS INC.
INTERNATIONAL SUBMARINE ENGINEERING LTD.
TELADOC HEALTH INC
IROBOT
KOMATSU LTD.
KONGSBERG MARITIME (KM)
KUKA AG
LOCKHEED MARTIN CORP.
NAVYA
RETHINK ROBOTICS GMBH
SAMSUNG ELECTRONICS CO. LTD.
SCIENCE APPLICATIONS INTERNATIONAL CORP.
TELEDYNE GAVIA EHF
VISION ROBOTICS CORP.
VITIROVER
Embedded Systems
INTEL CORP.
MEDTRONIC
MMB NETWORKS INC.

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