

# **Industrial Controls Market by Type (Distributed Control System, Supervisory Control & Data Acquisition System, Manufacturing Execution System, and Others), Component (Modular Terminal Blocks, Relays & Optocouplers, Surge Protectors, Marking Systems, Printing, Ferrules Cable Lugs, Handtools, Testers, Enclosure Products, PCB Connectors & Terminals, Heavy Duty Connectors, Analog Signal Conditioner, Electronic Housings, Power Supplies, Industrial Ethernet, and Remote IO), and End User (Automotive, Utility, Electronics & Semiconductors, and Mining): Global Opportunity Analysis and Industry Forecast, 2020–2027**

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## **Abstracts**

The global industrial controls market size was valued at \$121.48 billion in 2019, and is projected to reach \$170.12 billion by 2027, registering a CAGR of 5.91%. Industrial controls is a collective term used to define various kinds of control systems and associated instrumentation, which includes the devices, networks, systems, and controls used to operate and automate industrial processes. Industrial controls systems include various automation equipment, machines, and components. These systems are developed to monitor, control, and perform various industrial tasks and processes with high precision, improved product quality, and reliability.

The factors that impacts the industrial controls market are surge in demand for industrial

control systems for IoT-based smart solutions & automation in industries, adoption of industrial controls in mass production in manufacturing sector and rise in R&D investments drive the industrial control market growth. However, increase in cyber-attacks and unavailability of authentication procedures and Lack of skilled professionals and awareness regarding industrial security solutions restraint the industrial control market demand. Although, Deployment of smart grid for protection of critical infrastructure from cyber-attacks, and Cloud computing for industrial control system (ICS) creates lucrative opportunities for the industry controls market.

The industrial controls market is segmented based on control system, components, end user, and region. Based on control system, it is categorized into distributed control system (DCS), supervisory control & data acquisition system (SCADA), manufacturing execution system (MES), and others (safety instrumented system (SIS), marine integrated control & monitoring systems (ICMS), and others). Depending on component, it is categorized into modular terminal blocks, relays and optocouplers, surge protectors, marking systems, printing, ferrules cable lugs, handtools, testers, enclosure products, PCB connectors and terminals, heavy duty connectors, analog signal conditioner, electronics housings, power supplies, industrial Ethernet, remote IO. Industrial Ethernet is further sub segmented into industrial Ethernet active and industrial Ethernet passive. Also, remote IO segment is again classified into sensor actuator interface active and sensor actuator interface passive.

The end users of the industrial control systems are classified into automotive, utility, electronics & semiconductors, mining, and others (chemical, fiber & textiles, food & beverage, infrastructure, plastics, life science, water treatment, marine & machinery, and metals). Based on region, the market is analyzed across North America, Europe, Asia-Pacific, and LAMEA. Region-wise, the industrial controls industry trends are analyzed across North America (the U.S., Canada, and Mexico), Europe (UK, Germany, France, Italy, and Rest of Europe), Asia-Pacific (China, Japan, India, and Rest of Asia-Pacific), and LAMEA (Latin America, the Middle East, and Africa).

The key players profiled in this report are ABB Ltd., Emerson Electric Corporation, Honeywell International Incorporation, Kawasaki Robotics, Mitsubishi Electric Factory Automation, Omron Corporation, Rockwell Automation, Inc., Siemens, Schneider Electric SA, and Yokogawa Electric Corporation.

## KEY MARKET SEGMENTS

### By Control System

Distributed Control System (DCS)

Supervisory control & data acquisition system (SCADA)

Manufacturing Execution System (MES)

Other

## By Component

Modular Terminal Blocks

Relays & Optocouplers

Surge Protectors

Marking Systems

Printing

Ferulles Cable Lugs

Handtools

Testers

Enclosure Products

PCB Connectors & Terminals

Heavy Duty Connectors

Analog Signal Conditioner

Electronics Housings

Power Supplies

Industrial Ethernet

Industrial Ethernet Active

Industrial Ethernet Passive

Remote IO

Sensor Actuator Interface Active

Sensor Actuator Interface Passive

By End User

Automotive

Utility

Electronics & Semiconductors

Mining

Other

By Region

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Italy

Rest of Europe

Asia-Pacific

China

Japan

India

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

Key Market Players

ABB Ltd

Mitsubishi Electric Factory Automation

Siemens

Honeywell International Incorporation

Emerson

Schneider Electric SA

Omron Corporation

Rockwell Automation, Inc.

Kawasaki

Yokogawa Electric corporation

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