

Automated Gesture Recognition Systems to Transform the Global HMI Market | Arizton

The global HMI market is estimated to reach values of over \$8 billion by 2023, growing at a CAGR of over 9% during 2017-2023.

CHICAGO, IL, UNITED STATES, September 4, 2018 /EINPresswire.com/ -- Arizton's recent market research report on the global [HMI market](#) provides comprehensive industry analysis, trend forecasts, and competitive analysis. The research study segments the market by technology (optical, acoustic, bionic, tactile, and motion), by configuration (standalone and embedded), by interface (software and hardware), by end-user (automotive, chemicals & petrochemical, mining & metallurgy, paper, packaging, & printing, food & beverage, healthcare, oil & gas, and others), by geography (North America, Europe, APAC, Latin America, and MEA), and offers detailed competitive analysis.



GLOBAL HUMAN MACHINE INTERFACE (HMI) MARKET

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<h3 style="text-align: center; color: blue;">DATA COVERAGE</h3> <ul style="list-style-type: none"> Market Size by Revenue 2017-2023 Porter's Five Forces Analysis Macro Economic Factors Enabling Market Growth Latest Trends, Drivers, and Restraints Geographical Analysis by Regions and Top Countries 	<h3 style="text-align: center; color: blue;">MARKET SEGMENTATION</h3> <p style="font-size: x-small; color: green;">TECHNOLOGY SEGMENTATION</p> <ul style="list-style-type: none"> Market Overview Optical, Acoustic, Bionic, Tactile, & Motion Market Size & Forecast by Revenue 2017-2023 Market Size & Forecast by Geography 2017-2023 <p style="font-size: x-small; color: green;">CONFIGURATION SEGMENTATION</p> <ul style="list-style-type: none"> Market Overview Standalone & Embedded Market Size & Forecast by Revenue 2017-2023 Market Size & Forecast by Geography 2017-2023 <p style="font-size: x-small; color: green;">INTERFACE SEGMENTATION</p> <ul style="list-style-type: none"> Market Overview Software & Hardware Market Size & Forecast by Revenue 2017-2023 Market Size & Forecast by Geography 2017-2023 <p style="font-size: x-small; color: green;">END-USER SEGMENTATION</p> <ul style="list-style-type: none"> Market Overview Automotive, Chemicals & Petrochemical, Mining & Metallurgy, Paper, Packaging, & Printing, Food & Beverage, Healthcare, Oil & Gas, & Others Market Size & Forecast by Revenue 2017-2023 Market Size & Forecast by Geography 2017-2023 <p style="font-size: x-small; color: green;">GEOGRAPHICAL SEGMENTATION</p> <ul style="list-style-type: none"> Market Overview Market Size & Forecast by Revenue 2017-2023 Market Size & Forecast by Technology 2017-2023 Market Size & Forecast by Configuration 2017-2023 Market Size & Forecast by Interface 2017-2023 Market Size & Forecast by End-Users 2017-2023 Key Countries Market Size & Forecast by Revenue 2017-2023
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MARKET SIZE BY REVENUE 2023

~ \$8 BILLION CAGR ~ 9%



COMPETITIVE LANDSCAPE



- Market Overview
- Market Structure and Mapping of Competition
- Overview of Competition
- Herfindahl-Hirschman Index

5 Leading Vendors Identified

10 Prominent Players Operating in the Market

Global HMI Market Size, Trends, Growth 2023

The global HMI market is estimated to reach values of over \$8 billion by 2023, growing at a CAGR of over 9% during 2017-2023.

The infrastructural expansion and development of airports, transport, communication systems, schools, hospitals, and shopping malls are one of the primary factors attributing to the growth of the global market.



The increasing focus on safety, energy efficiency, better productivity, and sustainability will drive the growth of the global HMI market."

Sayani, Analyst

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The top 3 drivers and trends attributing to the development of the global HMI market are discussed below:

Enterprise Networking to Drive HMI-PLC Technology

The growing demand for enterprise networking and remote access is boosting the implementation of HMI PLC technology and augmenting the development of the global HMI market. The emergence of industrial Ethernet applications that help increase the productivity of manufacturing units and industrial automation will lead to the transformation of the global

market. The rapid expansion of internet networking and smart devices across factories and manufacturing plants worldwide will create lucrative opportunities for leading vendors operating in the market. This interface is designed to drive high-speed troubleshooting, improved diagnostics, and improvements in machine reliability in the global HMI market. The PLC technology provides a wide variety of options for OEMs to select from and it consists of two main devices that include open/industrial PC and closed-platform solutions. Some of the attributes of this technology include logic and graphics processing, display and touchscreen, enterprise Ethernet and remote access, and device networking. These devices enable remote intelligence reducing the training costs and empowers the OEMs to have an advantage over a variety of suppliers providing best-in-class solutions in the global HMI market.

Increased Demand for Multi-Touch GUI

The emergence of multi-touch technology that offers a wide range of new opportunities for interaction with the Graphical User Interface (GUI) will contribute to the transformation of the global HMI market. These multi-touch devices facilitate expressive gesture control and fluid multi-user collaboration through a relatively inexpensive and simple software and hardware configurations. The paradigm shift in consumer device preferences led to the launch of innovative touchscreens and multi-touch GUI in the global market. The introduction of touchscreen mobile phones and tablets will transform the global HMI market. The vendors are launching a new class of computing devices which required a different approach to GUI design, thereby driving innovations in the market. The development of systems that enable easy use and delivering superior consumer experiences will help players sustain the intense competition in the market. The focus on convenience and launch of enhanced surfaces will augment the growth of the global HMI market during the forecast period.



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HMI Market Share and Segments - Analysis 2023

GLOBAL HMI MARKET

TREND ANALYSIS



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-  Growing Demand IoT in Industries for Data Capturing and Handling Dramatically
-  Automated Gesture Recognition Systems to Gather Significant Interest
-  Increasing Penetration of Smart Wearables
-  Growing Virtualization and Automation to Majorly Impact HMI Development

Source Global HMI Market Report by Arizton

Global HMI Market Trends

The development of systems that enable easy use and delivering superior consumer experiences will help players sustain the intense competition in the market. The focus on convenience and launch of enhanced surfaces will augment the growth of the global HMI market during the forecast period.

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Automated Gesture Recognition Systems to Gather Significant Interest

The development of gesture recognition technology that ensures seamless communication and information transfer will propel the evolution of the global HMI market. Gesture recognition is the science of deciphering human gestures as input signals using mathematical algorithms. This includes the full body recognition or a small change in the facial expression. The implementation of gesture recognition systems will eventually make traditional input devices redundant in the global market. The industries are looking for systems that have the ability to specify objects, operations, and other additional parameters with a single gesture, thereby, propelling the growth of the global HMI market. Online gestures control the machine in real-time and provide interaction with objects and impose changes. Moreover, with the advancements in technology, gestures recognition can be implemented in an array of applications in several fields. The introduction of this technology is expected to transform the global HMI market over the next few years.

The leading vendors in the global HMI market are Schneider Electric, Rockwell Automation Inc., Siemens AG, Mitsubishi Electric Corp., and Omron Corp.

The other prominent players in the human machine interface market are ABB Ltd., General Electric, Toshiba, Kontron AG, Honeywell International Inc., Panasonic Corp., Bosch Rexroth, Eaton Corp., Emerson Electric Co., and Yokogawa Electric Corp.

The complete overview of the latest market research report on global HMI market by Arizton is now available.

The report also offers a detailed study of major trends, drivers, challenges, and also provides the market size and forecast for major geographical regions and key countries.

Source: <https://www.arizton.com/news/press-release/global-hmi-market>

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The image shows the cover of a report titled "GLOBAL HMI MARKET Vendor Lists" by Arizton. The cover features a central box with a list of key vendors and prominent players. To the right of the text is a photograph of a machine with a bright light reflecting off its surface. The Arizton logo is in the top right corner, and the source information is at the bottom right.

GLOBAL HMI MARKET
Vendor Lists
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KEY VENDORS
Schneider Electric
Rockwell Automation Inc.
Siemens AG
Mitsubishi Electric Corp.
Omron Corp.

PROMINENT PLAYERS
ABB Ltd., General Electric, Toshiba,
Kontron AG, Honeywell
International Inc., Panasonic Corp.,
Bosch Rexroth, Eaton Corp.,
Emerson Electric Co., and Yokogawa
Electric Corp.

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source Global HMI Market Report
by Arizton

Global HMI Market - Vendor Analysis 2023

This press release can be viewed online at: <http://www.einpresswire.com>

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