

Discrete Automation Research Package 2022 & 2023

Part of the Discrete, Process, and Capital Equipment Service Area

Monitor and analyze important trends, gauge market shifts and make informed business decisions.

“Uncover growth opportunities in the discrete automation market with the five-year outlook. This service features a historical and five-year forecast data used in 15+ vertical segments across 30+ countries.”

Daisuke Muto
Senior Research Analyst

Discrete Automation Research Package 2022 & 2023

*Part of the Discrete, Process, and Capital
Equipment Service Area*

***Daisuke Muto, Senior Analyst
Manufacturing Technology***

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Advance your competitive position by leveraging Omdia's comprehensive examination of the discrete automation market

This multi-database research package from Omdia provides unique analysis of the global discrete automation markets. Alongside product specific databases, a topline report will be published investigating technology and market trends impacting discrete automation product markets.

The databases provide Global and major region coverage (EMEA, Americas, and Asia Pacific) covering:

- PLCs
- I/O Modules
- Operator Terminals
- Industrial PCs

Each database provides in-depth analysis of market size, market shares for leading players and growth forecasts.

Electric Motor Systems: Our Expert Analysts



Daisuke Muto
Senior Research
Analyst



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Customer Success
Manager



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Customer Success
Manager

Research methodology and cadence

Methodology and cadence for discrete automation research package



- The discrete automation research package consists of databases for PLCs, Industrial PCs, Operator terminals and I/O modules and includes base year data and growth projections for five years.
- In terms of the research methodology, Omdia publishes discrete automation data every year but operates a 2-year update cycle:
 - Year 1 (2022 publication) – Full primary research approach. Update includes collecting supplier questionnaires to support bottoms-up base year build and virtual and face-to-face supplier interviews. Extensive market coverage ensures high confidence in data.
 - Year 2 (2023 publication) - A modelled update utilizing virtual and face-to-face interviews with leading suppliers to evaluate market dynamics and to assess “what has changed since publication of the full update”?
- Omdia’s Machinery Production Market Tracker is used to inform forecasts for every update and ensures outlook forecast consistency across the four databases.

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ABOUT OMDIA

Omdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio.* We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies. Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today’s constantly evolving technology environment and empower them to improve their businesses—today and tomorrow.

*The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.

Global data segmentations – PLCs database

PLCs product data detail

- Smart relays
- Compact PLC
- Standard modular PLC
- High-end modular PLC
- Software
- Services

EMEA

Austria	Ireland	Russia
Benelux	Middle East & Africa	Spain
France	Nordic countries	Switzerland
Germany	Poland	Turkey
Italy	Portugal	UK
		Rest of Europe

Americas

Brazil
 Canada
 Mexico
 US
 Rest of Latin America

Asia & Oceania

China	Singapore
India	South Korea
Malaysia	Taiwan
Australia	Thailand
New Zealand	Rest of Asia & Oceania
Rest of Oceania	

Japan

Industry sector

Discrete

Automotive
 Commercial HVACR
 Food, beverage, and tobacco machinery
 Machine tools
 Materials handling
 Packaging machinery
 Printing machinery
 Pulp and paper machinery
 Robotics
 Rubber and plastics machinery
 Semiconductors
 Textiles machinery
 Woodworking
 Other discrete industry sectors

Process

Cement, glass, and ceramics
 Chemicals
 Food and beverage
 Metals and mining
 Oil & gas
 Pharmaceuticals
 Power generation
 Pulp and paper
 Water and wastewater
 Other process industry sectors

Source: Omdia

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Global data segmentations – Operator terminals database

Operator terminals product data detail

- Text-based
- Basic graphical
- Advanced graphical
- Portable
- Operator terminals with embedded PLC hardware
- Web panels

EMEA			Americas		Asia & Oceania		Japan
Austria	Ireland	Russia	Brazil		China	Singapore	
Benelux	Middle East & Africa	Spain	Canada		India	South Korea	
France	Nordic Countries	Switzerland	Mexico		Malaysia	Taiwan	
Germany	Poland	Turkey	US		Australia	Thailand	
Italy	Portugal	UK	Rest of Latin America		New Zealand	Rest of Asia & Oceania	
		Rest of Europe			Rest of Oceania		

Industry sector		Input method	Screen size
Discrete	Process	Keypad only	Less than 5.5"
Automotive	Cement, glass, and ceramics	Touchscreen only	5.5" to 6.9"
Commercial HVACR	Chemicals	Keypad and touchscreen combination	7.0" to 9.9"
Food, beverage, and tobacco machinery	Food and beverage		10.0" to 14.9"
Machine tools	Metals and mining		Greater than 14.9"
Materials handling	Oil & gas		
Packaging machinery	Pharmaceuticals		
Printing machinery	Power generation		
Pulp and paper machinery	Pulp and paper		
Robotics	Water & wastewater		
Rubber and plastics machinery	Other process industry sectors		
Semiconductors			
Textiles machinery			
Woodworking			
Other discrete industry sectors			

Source: Omdia

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Global Data Segmentations – I/O modules Database

I/O modules product data detail						
		• Local PLC I/O	• Local DCS I/O	• Remote PLC I/O	• Remote DCS I/O	• Remote PC I/O
EMEA			Americas		Asia & Oceania	
Austria	Ireland	Russia	Brazil	China	Singapore	
Benelux	Middle East & Africa	Spain	Canada	India	South Korea	
France	Nordic Countries	Switzerland	Mexico	Malaysia	Taiwan	
Germany	Poland	Turkey	US	Australia	Thailand	
Italy	Portugal	UK	Rest of Latin America	New Zealand	Rest of Asia & Oceania	
		Rest of Europe		Rest of Oceania		
Industry sector			Functionality		Sales channel	
Discrete			Digital		Direct to end-user	
Automotive			Analogue		Direct to OEM	
Commercial HVACR			IO-Link		Direct to system integrator	
Food, beverage, and tobacco machinery			Other		Via distribution	
Machine tools						
Materials handling						
Packaging machinery						
Printing machinery						
Pulp and paper machinery						
Robotics						
Rubber and plastics machinery						
Semiconductors						
Textiles machinery						
Woodworking						
Other discrete industry sectors						
Process						
Cement, glass, and ceramics						
Chemicals						
Food and beverage						
Metals and mining						
Oil & gas						
Pharmaceuticals						
Power generation						
Pulp and paper						
Water and wastewater						
Other process industry sectors						

Source: Omdia

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Global data segmentations – Industrial PCs database

IPCs product data detail					
• Box IPC		• Embedded box IPC		• Panel IPC	
		• Embedded panel IPC		• DIN rail PCs with I/O	
				• Rackmount IPC	
EMEA			Americas		Asia & Oceania
Austria	Ireland	Russia	Brazil	China	Singapore
Benelux	Middle East & Africa	Spain	Canada	India	South Korea
France	Nordic Countries	Switzerland	Mexico	Japan	Taiwan
Germany	Poland	Turkey	US	Malaysia	Thailand
Italy	Portugal	UK	Rest of Latin America	Australia	Rest of Asia & Oceania
		Rest of Europe		New Zealand	
				Rest of Oceania	
Industry sector					
Discrete		Process		Non-industrial sector	
Automotive		Cement, glass, and ceramics		Agriculture	
Commercial HVACR		Chemicals		Building automation and	
Food, beverage, and tobacco machinery		Food and beverage		Video surveillance	
Machine tools		Metals and mining		Gaming	
Materials handling		Oil & gas		Medical	
Packaging machinery		Pharmaceuticals		Military and aerospace	
Printing machinery		Power generation		Point of sales / point of information	
Pulp and paper machinery		Pulp and paper		Telecoms and datacoms	
Robotics		Water & wastewater		Transportation and infrastructure	
Rubber and plastics machinery		Other process industry sectors			
Semiconductors					
Textiles machinery					
Woodworking					
Other discrete industry sectors					

Source: Omdia

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