Discrete Automation Research Package 2024 & 2025

Part of the Discrete, Process, and Capital Equipment Service Area Coverage
Monitor and analyze important trends, gauge market shifts and make informed business decisions.

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"Omdia estimates the market size for four discrete automation product categories – PLCs, I/O Modules, operator terminals, and industrial PCs – totalled around $25 billion USD in 2022 and is forecast to grow to $32 billion USD by 2027."

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Advance your competitive position comprehensive examination of the discrete automation market

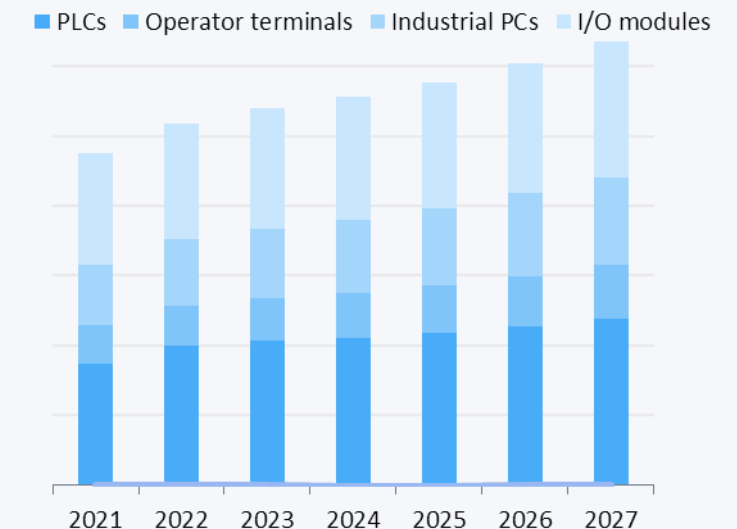**A comprehensive examination of the discrete automation market**

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 (EMEA, Americas, and Asia Pacific) **coverage of:**

- ✓ **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.

Discrete automation by product, world: 2022–27

■ PLCs ■ Operator terminals ■ Industrial PCs ■ I/O modules

2021 2022 2023 2024 2025 2026 2027

Source: Omdia

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Global data segmentations – PLCs database

PLCs product data detail					
▪ Smart relays	▪ Compact PLC	▪ Standard modular PLC	▪ High-end modular PLC	▪ Software	▪ Services

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	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			Input method	Screen size

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 & wastewater
- Other process industry sectors

Hybrid
- Battery manufacturing

Keypad only
Touchscreen only
Keypad and touchscreen combination

Less than 5.5"
5.5" to 6.9"
7.0" to 9.9"
10.0" to 14.9"
Greater than 14.9"

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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	
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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	
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				Rest of Oceania	

Industry Sector			Functionality	Sales channel	Protection level
Discrete	**Process**	**Non-industrial sector**	Digital	Direct to end-user	IP20
• Automotive	• Cement, glass, and ceramics	• Agriculture	Analogue	Direct to OEM	IP6x
• Commercial HVACR	• Chemicals	• Building automation and	IO-Link	Direct to system integrator	
• Food, beverage, and tobacco machinery	• Food and beverage	• Video surveillance	Other	Via distribution	
• 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	**Hybrid**				
• Textiles machinery	• Battery manufacturing				
• Woodworking					
• Other discrete industry sectors					

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Global data segmentations – Industrial PCs database

Industrial PCs product data detail					
■ Box IPC	■ Embedded box IPC	■ Panel IPC	■ Embedded panel IPC	■ DIN rail PCs with I/O	■ Rackmount IPC

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Non-industrial sector
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- Video surveillance
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