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India's Automation Magazine

Cover Story

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Is India Ready To Automate?



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Automation Gossip and Forgotten Links

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Neptune Instruments – PH7615 Digital pH Controller
Emerson – SafEye Quasar
SANC – PCC Panels – Power Distribution Panels
TER – Fox ATEX – Explosion-Proof Rotary Limit Switch
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Factory Automation and Robotics in manufacturing is translaed with emphasis on Intelligent Manufacturing and Smart Production. The concept of Intelligent or Advanced Manufacturing, Smart Production or Industrial Automation is the key to establishing a strong and smart country. In the era of Artficial Intelligence 'effciency' is the basic under line. India is on the precipice of creating the worlds best technologies. With one goal. Viksit Bharat - beter than the best.
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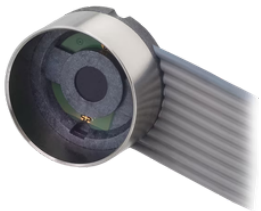
Automation Product Spotlight 6 10

10 Reputable Solutions

Industrial automation continues to evolve through innovations that improve connectivity, operational reliability, and intelligent control. The latest solutions from **maxon, Neptune Instruments, Emerson, SANC, Mechatronics Control, TER, EAPL, Robotspace, SUPCON, AVEVA, and EUCHNER** reflect a growing emphasis on precision engineering, digital integration, functional safety, and real-time process visibility across modern manufacturing environments.

A defining trend is the convergence of automation, safety, and data-driven technologies. From advanced motion feedback and Industrial IoT gateways to distributed control systems, intelligent safety controllers, and industrial data platforms, manufacturers are increasingly adopting connected solutions that enhance productivity while simplifying operations. Alongside these developments, robust power management, process instrumentation, and condition monitoring technologies continue to strengthen the foundation of smart factories. Together, these innovations are enabling industries to achieve greater efficiency, improved reliability, enhanced safety, and a more sustainable approach to industrial automation.

maxon – Magnetic Encoder 6



Accurate motion feedback is essential for high-performance automation systems. maxon's Magnetic Encoder delivers reliable position and speed feedback using magnetic sensing technology, making it ideal for precision drive applications.

Emerson – SafEye Quasar 7



The SafEye Quasar Open Path Gas Detector from Emerson provides continuous long-range monitoring of combustible hydrocarbon gases using advanced infrared technology.

Mechatronics Control – Electronic Condensate Drain



Mechatronics Control's Electronic Condensate Drain is designed to automatically discharge condensate from air compressors, air receivers, filters, and dryers without wasting valuable compressed air. 8

EAPL – Multifunction Meters

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EAPL's Multifunction Meters provide comprehensive monitoring of electrical parameters including voltage, current, frequency, power factor, power, and energy consumption within a single compact device.



SUPCON – WebField® JX-300XP

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The WebField® JX-300XP from SUPCON is a scalable Distributed Control System (DCS) designed to provide reliable process automation for continuous and batch manufacturing industries.



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Automation Gossip and Forgotten Links

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Automation Expo India 2026 - Show Review

Is India Ready To Automate?



There was a particular kind of energy that filled the trade show floor when an industry knew it was on the verge of something bigger than itself. As visitors walked through Halls 2, 3, and 6 of the Bombay Exhibition Centre in Goregaon that July, they could feel it — somewhere between the hum of robotic arms, the pitch decks of first-time exhibitors from Taiwan and South Korea, and the steady stream of plant managers comparing notes on IIoT retrofits. It wasn't just another industrial trade show. It was a snapshot of a country in the midst of transformation.

India's industrial automation market is no longer a story of potential — it's a story of momentum. Valued at approximately **USD 19.19 billion in 2026**, the market is projected to reach **USD 28.73 billion by 2031**, growing at a compound annual **growth rate of 8.41%**. That's not the kind of number that shows up in a niche manufacturing newsletter. It's the kind of number that rewrites how global supply chains think about India.

From Cost Arbitrage to Capability

For decades, India's pitch to global manufacturers was simple: cheap, reliable labor. That pitch is fading fast. Rising wages, tightening labor availability in industrial clusters, and a generational shift in workforce expectations have pushed manufacturers — from auto component makers to pharmaceutical packagers — toward a different value proposition altogether: precision, consistency, and speed, delivered by machines rather than muscle.

Government policy has leaned hard into this shift. Programs like Make in India and the Production Linked Incentive (PLI) schemes have quietly made automation adoption a competitiveness issue rather than a luxury. Factories that don't automate risk losing contracts to those that do — not just to competitors in China or Vietnam, but increasingly to other Indian manufacturers who got there first.

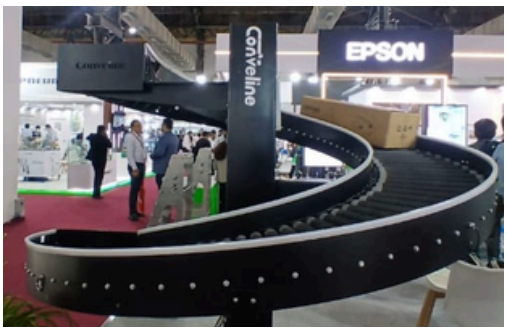
This is visible on the ground in a way that's hard to fake. At July's *Automation Expo 2026* in Mumbai — now in its 19th edition and billed as one of Asia's largest platforms for industrial automation and robotics — the exhibitor floor told its own version of this story. Small and medium enterprises made up a striking share of the booths, many of them showing off cost-effective automation solutions built specifically for Indian factory floors rather than imported wholesale from Germany or Japan. It's a reminder that India's automation wave isn't only about multinational giants setting up shop — it's increasingly homegrown, *MSME-led*, and built for local constraints.











The World Is Watching —And Showing Up

Perhaps the clearest sign of where things are headed wasn't in the data at all. It was in who showed up.

This year's Mumbai expo saw a noticeably more international exhibitor mix, with new companies arriving from Taiwan, South Korea, Japan, and elsewhere in Asia — hardly the profile of a market that global automation players are content to watch from a distance. Dongguan-based *Yicheng Automation*, a Chinese manufacturer of custom assembly-line equipment, was among them, using its visit to scout partnerships with Indian manufacturers in low-voltage electricals, auto components, and medical devices. It's a small data point, but a telling one: overseas equipment makers are no longer treating India as an export destination alone. They're looking to build here.

That sentiment echoed in conversations across the show floor. Speaking at the event, Larsen & Toubro's Deputy Managing Director & President, Subramanian Sarma, remarked on how struck he was by the scale of youth participation and innovation on display, describing it as a rare opportunity to witness firsthand just how fast the technology is moving. He tied that momentum to India's broader push toward self-reliance, framing events like this as a shared platform where both large corporations and small enterprises can tap into the country's engineering talent pool. It's a sentiment that other major exhibitors — *Beckhoff, Yokogawa, and Endress+Hauser* among them — echoed in their own ways: cautious optimism giving way to genuine confidence.

Growth Isn't Always a Straight Line

None of this means the transition is seamless. The same week that underscored India's automation ambitions also exposed some of the friction points still holding the industry back.

The Mumbai expo, for instance, had a noticeably uneven rhythm across its four days — a slow, quiet start followed by a much stronger finish once serious buyers and decision-makers began showing up in force. Attendees pointed to timing as a real factor: late July sits squarely in India's monsoon season, and heavy rains clearly dented early footfall for an event that depends heavily on in-person, regional visitors. It's a small operational detail, but it speaks to a larger truth about India's automation ecosystem — the appetite is real, but the infrastructure and execution around that appetite is still catching up to the ambition.

That gap — between where the demand curve is heading and where on-the-ground readiness currently sits — is arguably the defining tension of India's automation story right now. Factories want to modernize faster than skilled integrators can be trained. Global vendors want to enter faster than distribution and service networks can scale. And investment is flowing in faster than some of the supporting ecosystem — logistics, testing infrastructure, even event calendars — can adjust.

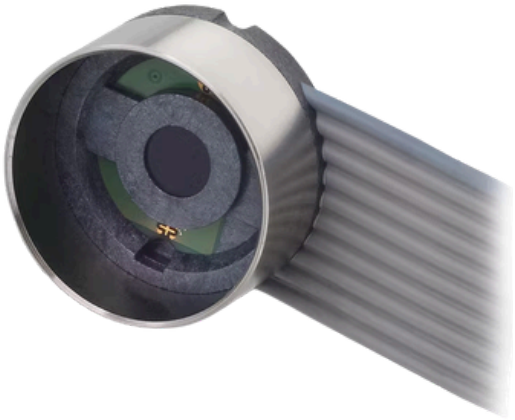
maxon – Magnetic Encoder – Position & Speed Feedback

Accurate motion feedback is essential for high-performance automation systems. **maxon's Magnetic Encoder** delivers reliable position and speed feedback using magnetic sensing technology, making it ideal for precision drive applications. Its compact design, robust construction, and resistance to dust and contaminants ensure dependable operation while maintaining high accuracy across a wide range of industrial environments.

Available in incremental and absolute variants, the encoder integrates seamlessly with maxon's drive systems and supports applications in robotics, medical devices, laboratory equipment, aerospace, and industrial automation. Its durable design and precise feedback help improve machine reliability, motion control accuracy, and overall system performance.

maxon

www.maxongroup.com/en-in



Compact magnetic encoder providing accurate position and speed feedback for precision motion control.

Neptune Instruments – PH7615 Digital pH Controller – Water Quality Analyzer

The **PH7615 Digital pH Controller** from Neptune Instruments is designed for continuous online monitoring and control of pH in industrial water treatment processes. Featuring automatic temperature compensation and a clear digital display, the controller delivers accurate and stable pH measurements while simplifying process monitoring and control.

With programmable relay outputs and analogue communication capabilities, the PH7615 integrates easily with PLCs, SCADA systems, and dosing equipment. It is well suited for water treatment plants, chemical processing, pharmaceuticals, and food industries where precise pH control is essential for product quality and regulatory compliance.

www.neptuneinstruments.com



Continuous online pH monitoring and control for industrial water treatment applications.

NEPTUNE INSTRUMENTS

Emerson – SafEye Quasar – Open Path Gas Detector

The **SafEye Quasar Open Path Gas Detector** from Emerson provides continuous long-range monitoring of combustible hydrocarbon gases using advanced infrared technology. Unlike conventional point detectors, it monitors an entire detection path of up to 200 metres, enabling faster leak detection while minimizing false alarms in harsh industrial environments.

Designed for hazardous installations, the detector supports HART communication and delivers reliable performance in rain, fog, dust, and extreme temperatures. It is widely used in oil & gas, petrochemical, chemical, and LNG facilities where early gas leak detection is critical for plant and personnel safety.



Continuous online pH monitoring and control for industrial water treatment applications.

EMERSON™

www.emerson.com/en/corporate

SANC – PCC Panels – Power Distribution Panels

SANC's **Power Control Centre (PCC) Panels** are designed to efficiently receive, distribute, and protect low-voltage electrical power in industrial facilities. Supporting current ratings up to 4000 A, the panels feature modular construction, comprehensive protection functions, and flexible configurations for indoor and outdoor installations.

Engineered for reliable power management, the panels incorporate quality switchgear, advanced metering, and IEC-compliant safety features. They are widely used in manufacturing plants, pharmaceuticals, water treatment, HVAC, and process industries where uninterrupted and safe power distribution is essential.



Reliable low-voltage power distribution panels for industrial electrical infrastructure.

SANC

www.sanc.in

Mechatronics Control – Electronic Condensate Drain – Compressed Air Management

Efficient condensate removal is essential for maintaining the performance and longevity of compressed air systems. **Mechatronics Control's Electronic Condensate Drain** is designed to automatically discharge condensate from air compressors, air receivers, filters, and dryers without wasting valuable compressed air. Unlike conventional float-operated drains that are susceptible to clogging and mechanical wear, the electronically controlled system provides precise and reliable condensate removal through programmable operation. Available with drainage capacities ranging from 15 l/hr to 150 l/hr, the unit supports standard operating pressures of 0.8–16 bar, with high-pressure variants capable of handling up to 60 bar. This combination of automation and flexibility makes it suitable for a broad spectrum of industrial compressed air applications.

Designed for demanding operating conditions, the drain improves energy efficiency by reducing compressed air losses while protecting pneumatic systems from moisture, corrosion, and contamination. Its compact, durable design allows easy integration into compressed air installations across manufacturing, automotive, pharmaceuticals, food processing, and other industries, helping improve equipment reliability and reduce maintenance costs.



Electronic condensate drain for efficient moisture removal, improved energy savings, and reliable compressed air system performance.

MECHATRONICS
CONTROL EQUIPMENTS INDIA PRIVATE LIMITED

www.mechatronicscontrol.com/mechatronics.php

TER – Fox ATEX – Explosion-Proof Rotary Limit Switch

The **Fox ATEX Rotary Limit Switch** from TER is designed to accurately monitor and control the movement of industrial machinery operating in hazardous environments. Featuring an adjustable cam mechanism and multiple gear ratio options, the device delivers precise position sensing while complying with ATEX safety requirements for explosive atmospheres. Its rugged construction ensures dependable performance even under demanding operating conditions.



Explosion-proof rotary limit switch for precise motion monitoring in hazardous industrial environments.

Built with high ingress protection and corrosion-resistant components, the Fox ATEX is suitable for cranes, hoists, conveyors, silos, and oil & gas installations. By providing reliable motion monitoring and explosion-proof protection, it enhances equipment safety, operational reliability, and compliance with industrial safety standards.

TER

www.ter.it/en/home-page/

EAPL – Multifunction Meters – Power Monitoring

EAPL's Multifunction Meters provide comprehensive monitoring of electrical parameters including voltage, current, frequency, power factor, power, and energy consumption within a single compact device. Supporting RS485 Modbus RTU and Wi-Fi communication, the meters integrate seamlessly with SCADA, PLCs, and energy management systems for real-time power monitoring.

IOT enabled



Multifunction power meter for accurate electrical monitoring and energy management.

EAPL

www.eaplindia.com/

Designed for industrial and commercial installations, the meters offer high measurement accuracy, programmable CT/PT ratios, and an intuitive display for easy operation. They are widely used in distribution panels, switchboards, motor control centres, and energy monitoring applications to improve power quality, optimize energy usage, and simplify electrical system management.

Robotspace – ioWare – Industrial IoT Gateway

Robotspace

www.robotspace.in

ioWare from Robotspace is an Industrial IoT Gateway that connects machines, sensors, and PLCs to cloud-based manufacturing platforms, enabling seamless data acquisition and real-time production monitoring. Equipped with industrial I/O, wired and wireless connectivity, and edge computing capabilities, it helps manufacturers digitize existing equipment without major infrastructure changes.

Designed for Industry 4.0 applications, ioWare supports machine monitoring, predictive maintenance, energy management, and production analytics across a wide range of manufacturing sectors. By converting shop-floor data into actionable insights, it helps improve productivity, equipment utilization, and operational efficiency.



Industrial IoT gateway enabling real-time machine connectivity and smart factory integration.

SUPCON – WebField® JX-300XP – Distributed Control System (DCS)

The **WebField® JX-300XP from SUPCON** is a scalable Distributed Control System (DCS) designed to provide reliable process automation for continuous and batch manufacturing industries. With an open architecture supporting seamless integration with third-party systems, the platform combines field control, operator workstations, and engineering tools into a unified automation solution.

Its redundant architecture, advanced alarm management, and real-time process monitoring ensure high system availability and operational reliability. Suitable for power generation, oil & gas, chemical, pharmaceutical, and process industries, the JX-300XP enables efficient plant control while supporting future digital expansion.

SUPINCO

www.supinco.com/

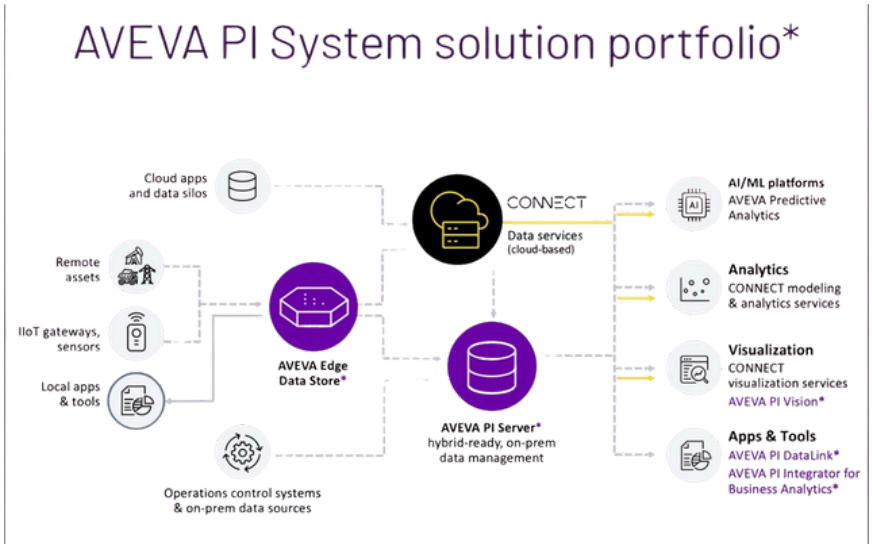


Scalable distributed control system for reliable process automation and plant-wide control.

AVEVA – PI System – Industrial Data Infrastructure

AVEVA PI System is an industrial data infrastructure platform that collects, stores, and contextualizes real-time operational data from industrial assets. Supporting connectivity with PLCs, DCSs, SCADA systems, sensors, and IIoT devices, it creates a centralized source of trusted information for improved operational visibility and informed decision-making.

Designed for enterprise-wide digital transformation, the platform enables real-time monitoring, historical data analysis, predictive maintenance, and energy optimization across multiple industrial sites. It is widely deployed in manufacturing, power, oil & gas, pharmaceuticals, mining, and water treatment to improve asset performance and operational efficiency.



Industrial data platform delivering real-time operational insights and enterprise-wide asset visibility.

AVEVA

www.aveva.com

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1. Schneider Electric becomes the hottest automation stock again

Schneider Electric surprised the market by raising its 2026 financial outlook, mainly because demand from AI data centers keeps exploding. Many analysts are now calling Schneider one of the biggest winners of the AI infrastructure boom rather than just an electrical equipment company.

https://www.reuters.com/business/frances-schneider-electric-raises-2026-guidance-data-centre-demand-2026-07-30

2. Everyone is chasing the "AI Factory" concept

Across July, nearly every major automation company shifted messaging from simply selling PLCs and SCADA to promoting AI-powered factories. Predictive maintenance, autonomous decision-making and AI copilots for engineers are becoming standard marketing language instead of futuristic concepts.

https://timesofindia.indiatimes.com/technology/times-techies/ai-is-teaching-factories-to-think/articleshow/132700360.cms

3. ABB's massive Rotork acquisition shocked the valve industry

ABB announced its $5.6 billion acquisition of Rotork, one of the world's leading actuator manufacturers. Industry insiders believe this strengthens ABB's process automation portfolio and puts more pressure on Siemens, Emerson and Schneider in oil & gas and process industries.

https://www.wsj.com/business/deals/abb-to-buy-rotork-to-strengthen-electrification-business-7fac8604

4. Data centers are now driving automation—not automotive

For years, automotive dominated automation investments. Now suppliers say AI data centers are becoming one of the fastest-growing sources of orders for power distribution, cooling systems and industrial infrastructure, changing where automation companies focus their R&D.

https://www.reuters.com/business/frances-schneider-electric-raises-2026-guidance-data-centre-demand-2026-07-30

5. Honeywell's split is already paying off

After its corporate restructuring, Honeywell Technologies reported stronger demand for building and industrial automation, raising its profit forecast. Many analysts think the focused automation business could now compete more aggressively with Schneider and Siemens.

https://www.reuters.com/business/aerospace-defense/honeywell-technologies-profit-rises-first-post-breakup-results-2026-07-23

6. Machine vision is back in the spotlight

Following industry events and analyst reports, machine vision vendors like Cognex and Zebra are attracting renewed attention. Experts believe AI-enabled inspection systems will become one of the fastest-growing automation segments over the next few years.

https://www.investors.com/news/technology/zebra-stock-cognex-key-industrial-automation-plays

> "All the AI-based work we are doing still requires people with knowledge of the process, along with the data scientists and the AI experts. You can't send somebody in who knows all about AI, but has never been in a manufacturing plant.
>
> "A major innovation that the India team has done, has been to look at common tasks across a wide variety of different automation projects – whether you're building cars or baking bread – and create libraries that decrease the bespoke work on an individual project. So, our global centres are now using reusable IP on the vast majority of new projects that Rockwell does around the world. And this is something that AI is really going to accelerate.
>
> **Blake Moret** | CHAIRMAN & CEO, ROCKWELL AUTOMATION

To feature your exciting news on this column send me a 🔗

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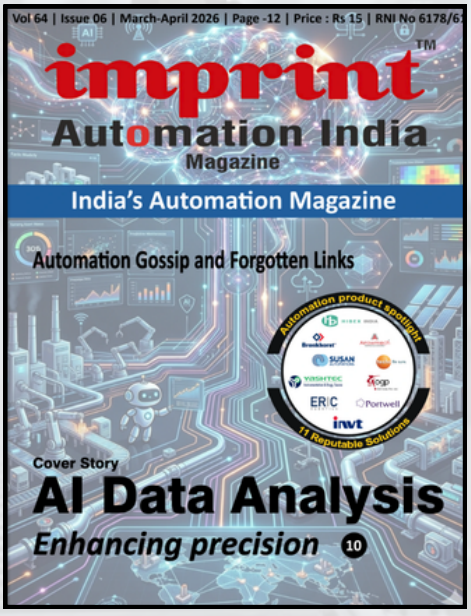
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