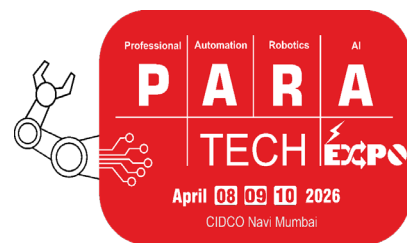


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PARA TECH WEBINAR



OCTOBER 9, 2025

12:00 to 1:30pm

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Speaker



Ravi Kalla

*CIO – IT & Digital Automation,
Athem Biosciences Pvt Ltd.*



Speaker



K. Kulbhushan

*Global Head & Vice President –
Operations Strategy, Excellence & Digital
Dr. Reddy's Laboratories*



Speaker



Satish Pathak

*Founder & Executive Director,
Samiep Technology Innovations Pvt. Ltd.*



Moderator



Anil Chopra

*Editor & Publisher, Imprint Automation
India Magazine
• Founder, PARA Tech Expo.*



< IMPERATIVES OF AUTOMATION IN PHARMA MANUFACTURING >

Synopsis: Dependency on Automation in Pharma manufacturing. Necessity of Automation in pharma production. Importance of chemical ingredient precise accuracy. Efficiency, Productivity, Profitability Criteria.

Pharmaceutical manufacturing now runs on automation. Regulatory scrutiny and round-the-clock demand make automated systems an absolute necessity in daily production. Meanwhile, real-time analytics, robotics, and paperless workflows lift efficiency, productivity, and profitability from formulation through packaging and logistics.

Scope & Learning Objectives

State-of-the-art automation is critical to every pharma process and packaging line, and the pace of technology innovation is accelerating daily. No matter whether a plant is small, medium, or large, automated platforms are now the fastest way for a Pharma Unit to achieve economies of scale. Breakthrough formulations, process novelties, and bio-chemical research deliver real value only when they are executed under strict, fully automated, cGMP-compliant conditions. Sophisticated digital dosing guarantees sub-milli-gram accuracy for every chemical ingredient, protecting efficacy and patient safety.

Today's regulatory climate demands traceability, paperless batch records, and 24 × 7 remote monitoring; modern MES, IIoT sensors, and advanced software deliver exactly that. Robotics has moved from pilot cells to the mainstream, handling everything from aseptic transfers to high-speed cartoning with unmatched consistency. Automation doesn't stop at the reactor — secondary packaging, cold-chain warehousing, and end-to-end supply-chain control now rely on the same digital backbone for speed and accuracy. Global sustainability goals — zero-liquid-discharge, lower emissions, reduced energy use — are achievable only with intelligent, closed-loop process control and data-driven optimisation.

Even the smallest tablet- or capsule-manufacturing unit benefits: automated feeders and weight checks secure micro-gram accuracy, while clean-in-place sequences cut down-time and contamination risk. Liquid bottling lines showcase the payoff — sterile, drip-free fills and neck-banding precision that manual systems simply cannot match. Real-time dashboards convert raw sensor data into actionable analytics, lifting efficiency, productivity, and profitability across the enterprise. Routine system updates keep plants aligned with evolving FDA, EMA, and CDSCO guidance, safeguarding market access and brand reputation. Join the PARA Tech Expo: Pharma Automation Webinar — it will give you an edge in your business and future strategy.