mareana
Connected Data. Deep Insights.

4 Ways AI-Driven Automation Outperforms Traditional Automation in Pharma Manufacturing

Not all AI-driven automation solutions are designed with the unique complexities of pharmaceutical manufacturing in mind. Mareana is purpose-built to address the industry's stringent regulatory demands, intricate workflows, and need for operational excellence.

Here's how Mareana delivers the advanced capabilities pharma manufacturers need to stay competitive and compliant in an ever-evolving landscape:

Data Handling

Traditional Automation:
Handles only structured data with limited flexibility.

Struggles with integrating data from diverse systems, slowing operations.

AI-Driven Automation:
Processes vast datasets, including unstructured data from batch records and QC reports.

Seamlessly integrates data across R&D, manufacturing, and supply chain processes for a unified view.

Compliance Management

Traditional Automation:
Focuses on automating repetitive tasks like documentation.

Requires manual oversight to meet evolving regulatory requirements, leading to inefficiencies.

AI-Driven Automation:
Automates compliance processes, ensuring adherence to global standards like 21 CFR Part 11.

Uses predictive analytics to identify and mitigate potential compliance risks proactively.

Efficiency and Productivity

Traditional Automation:
Speeds up repetitive tasks but fails to adapt to dynamic pharma manufacturing needs.

Cannot predict or address production bottlenecks in real time.

AI-Driven Automation:
Dynamically optimizes production schedules and resource allocation.

Identifies and eliminates bottlenecks using advanced analytics, improving time to market.

Decision-Making

Traditional Automation:
Relies on pre-programmed rules and logic, offering no adaptability for complex scenarios.

AI-Driven Automation:
Delivers actionable insights by analyzing diverse datasets, from raw materials to final product delivery.

Enables agile, data-driven decisions, ensuring pharma companies can quickly respond to market demands.

Get Started:

Traditional automation systems in pharma manufacturing may have brought efficiency in the past, but they lack the adaptability and intelligence to address today's challenges. Mareana stands as the AI-driven platform transforming the industry.

Contact Mareana to discover how Mareana can power your journey from compliance to innovation.

Mareana's Vision

Mareana views digital transformation as a key strategy for evolving and strengthening business models in the pharmaceutical sector. By leveraging digital technologies, companies are equipped to navigate healthcare's complexities, seize growth opportunities, and significantly benefit patients worldwide.