

DATAMATICS

WHITEPAPER

GO BEYOND COST SAVINGS WITH INTELLIGENT AUTOMATION IN MANUFACTURING



Key takeaways

- Manufacturers find it challenging to adapt to ever-changing business ecosystems and drive growth simultaneously.
- Intelligent Automation enables manufacturers to adapt to the changing regulations and compliance at speed and scale.
- Intelligent Automation helps manufacturers to reinvent themselves and deliver accurate outcomes quickly in an evolving landscape.

Manufacturing Operations find it challenging to drive sustainable growth in a dynamic business landscape. They have already done much to automate their paper-driven processes, build an agile work culture, and optimize operations.

However, having to adapt to the ever-changing geopolitical scenarios, supply chain curbs, raw material undersupply, tariff inconsistencies, congested markets, and intriguing compliance meshes, they find it difficult to set their feet deeper and grow taller. Having to adjust processes while constantly seeking out new vendors and supplies and fit in with different compliances and regulations, manufacturing tends to slow down.

As businesses traverse the difficult terrain, which has an ever-growing mountain of challenges on one side and the quality compromise chasm on the other, businesses find it taxing to walk the tight rope to optimize operations and increase revenue.

However, with the advent of **Intelligent Automation** and the autonomous and progressive AI solutions, businesses can find the elusive S-curve in their operations, accumulate revenue over a period of time, and achieve RoI within a few months of inception. In other words, businesses can go beyond mere cost savings and achieve a strategic advantage using Intelligent Automation and its continuum.

Problem Statement: Optimizing operations and driving sustainable growth is challenging in a fiercely competitive manufacturing landscape.

Solution

Intelligent Automation solves the challenge of adjusting to the ever-growing data and operations complexities in the manufacturing back offices. As manufacturing businesses adopt Intelligent Automation and AI solutions, they gain an equal footing with digital-native businesses. Digital transformation in accounts payable and receivable operations and inventory management are just a few of the important Intelligent Automation use cases for Manufacturing.

Intelligent Automation adoption brings about a fundamental change in the process design and operations. It is a strategic movement from reactivity to proactivity in adopting automation of repetitive tasks and operations. It is a holistic approach that is significantly distinct from siloed efficiency gains.

Intelligent Document Processing leverages AI/ML algorithms and Generative AI to automate data extraction from documents in an unstructured format. **Robotic Process Automation** delivers you from rote and repetitive tasks by automating them across your business landscape. **Intelligent Automation** automates processes across an integrated platform and collectively harnesses your automation investments and unlock tremendous value.

Unlock Strategic Advantages with Intelligent Automation Solutions

Intelligent Automation brings out many strategic advantages across different dimensions as per the business requirement:

- **Agility, flexibility, and resilience:** Intelligent Automation solutions are rapidly deployed and can quickly adapt to changes. They display utmost flexibility while extracting data from monumental volumes of continuously changing different types of invoices in paper, PDF, and hand-written formats. Further, technologically advanced AI-driven solutions dynamically allocate resources to a process to autonomously achieve a given target in a changing ecosystem. It translates into tremendous resilience in a dynamic market.
- **Data-driven, quick decision-making:** Businesses can now structure their manufacturing operations around a specific "takt" or "rhythmic beat" by efficiently automating the decision-making nodes using RPA and AI algorithms. The process is data-driven and occurs in a fraction of the time taken for human decision-making. Built-in validations proactively guard autonomous mechanisms, such as bots and agents, to keep them grounded on the right track.
- **Enhanced user experience:** Auto-suggestions for customers based on earlier transactions and historical patterns deliver a seamless user experience. Automated accounts payable and receivable result in both happy vendors and customers.
- **Innovation at speed:** Intelligent Automation solutions adapt quickly to the business requirements and deliver results almost as quickly. They free up business users to focus on their core competence and explore new business opportunities. They help establish a technology innovation culture and join their steps with the market leaders and challengers.
- **Sustainable growth:** Businesses can walk the tight-rope between business challenges and quality consistency and still ensure sustainable business growth. Automation in Manufacturing operations, at speed and scale, allows businesses to go beyond mere cost savings and gain a strategic foothold in the busy and competitive market.

Important Intelligent Automation Use Cases in Manufacturing

- **Supplier onboarding:** Accelerate the supplier onboarding process by shortlisting them through a web search, send RFQs, execute contracts, and onboard them.
- **Credit Assessment Report:** Download the balance sheets from public websites, extract the required data, create the credit reports, and evaluate them prior to onboarding.
- **Invoice processing:** Inward the invoice in ERP, conduct 2/3-way matching, validate the inputs, carry out payment, and post the entry in the ERP.
- **Bank reconciliation process:** Download data from banking portals, extract the data presented in an unstructured format, and validate it as per business rules.

[More use cases>>](#)

Intelligent Automation success story for a global trading company that operates in many industries

The **global trading company** had a highly diversified business. However, it faced challenges in its accounts payable section. With purchase orders, invoices, and related paperwork pouring in from different quarters, timely processing and issuing payouts to their regular and trusted vendors was a business challenge.

The company adopted Intelligent Automation and AI-driven Intelligent Document Processing for its accounts payable operations across the board and automated the different tasks. This digital transformation allowed them to weed out human error that crept in through the manual processing of huge data loads of paperwork and ensure data integrity.

Being a seasoned player in the Manufacturing sector for decades, reinventing themselves through Intelligent Automation was a must for the trading company. They achieved the mammoth feat with flying colors by increasing speed and accuracy in their accounts payable department by using Intelligent Automation.

Simply put

Driving sustainable growth in a challenging business environment is a herculean task. Intelligent Automation enables Manufacturing businesses to continuously adapt their paperwork-driven processes to the dynamically changing business ecosystem, including geopolitical upheavals, raw material undersupply, stringent compliance, and so on.

It allows them to compete with digital natives, exceed cost savings despite hurdles, and gain a strategic advantage in a dynamic manufacturing landscape.

ABOUT THE AUTHOR



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Shashi heads the product team at Datamatics. He is responsible for proactively identifying and defining IT solutions encompassing the latest technologies in new areas for clients across verticals. He is also leading the product team for IP development in the areas of RPA, IDP and BI & Analytics.

He has over 33 years of extensive experience in managing offshore centers, delivering software services to clients across the world on multiple technologies and various domains. He has successfully led organizational growth through P&L management, client engagement, pre-sales support, product design & development, and building high-performance teams with demonstrable productivity. In his previous role, Shashi has been instrumental in new areas of growth and setup multiple "Centre of Excellence" to drive revenue and business success.

Shashi holds a Bachelor's Degree in Electronics and Communication Engineering from IIT Varanasi.

ABOUT DATAMATICS

Datamatics enables enterprises to go Deep in Digital to boost their productivity, customer experience, and competitive advantage. Datamatics' portfolio spans across three pillars of Digital Technologies, Digital Operations, and Digital Experiences.

It has established products in Intelligent Document Processing, Robotic Process Automation, AI/ML models, Smart Workflows, Business Intelligence, and Automatic Fare Collection.

Datamatics caters to a diverse global clientele across Banking, Financial Services, Insurance, Healthcare, Manufacturing, International Organizations, and Media & Publishing.

The Company has a presence across four continents with significant delivery centers in the USA, India, and the Philippines. To learn more about Datamatics, visit www.datamatics.com

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