



Robotic Process Automation for the Manufacturing Industry



The manufacturing industry has been an early adopter of automation, especially in the areas that require precision and repetition (think assembly line efficiencies).

Information and data flow are commonly impacted by system changes, updates, and additions. Heavy system and process integration is the hallmark of legacy manufacturing plants and facilities; however, these integrations can become fragile or even fractured as changes move through the facilities – either planned system changes or unplanned (covid-19) impacts

RPA (Robotic Process Automation) can provide the necessary bridge for business continuity - whether planned or unplanned information/process changes have occurred within your manufacturing business. RPA is the “action” just beyond the intent of the process. This concept applies to attended robots that work as a second set of hands for humans, or unattended robots that handle the mundane back-office or batch information processes to give humans back time to manage critical-thinking activities.

Manufacturing challenges where RPA can assist:

✔ Logistics/Shipping Mgmt.

Challenging to manage change across 3rd party vendor systems with standard 'legacy' system integrations.

✔ Service Scheduling

Disparate systems with limited integrations, multiple data formats, or multi-line geographies create roadblocks for managing parts, schedules and manpower.

✔ Procurement/Parts Mgmt.

Difficulty in synching multiple systems for material price changes and parts inventory can negatively impact speed, quality, and cost of production.

✔ Safety Mgmt.

Employee and Safety data are critical to operations but live in many different places/systems that require many manhours of manual updates/synchronization.

The Benefits of RPA in the Manufacturing Industry



Extend Existing EDI Investments:

Heavy integration already exists between internal manufacturing systems, but most of the real investment has been in ironing out the business rules rather than the actual technology cost. Changes in internal and external systems create a ripple effect of integration work that can be quickly mitigated with RPA, but still leverage the existing business rules and systems (EDI) that are in place.



Quickly Add Vendors:

Quickly capture vendor master data and update systems via basic forms and RPA without the heavy integration work typically required for new vendors. Ease the burden of onboarding new vendors/suppliers/carriers while quickly extending and divesting orders to available carriers by shortening the ramp-up and onboarding time.



Expedite Critical Parts Orders/Inventory:

Robots can be instituted to Monitor/Alert when quantities are either trending low or drop below a threshold. Additionally, robots can take proactive actions to move beyond just passive monitoring to actively create orders, verify planned deliveries, and assess cross-region inventories to assist with the material management and systemic planning processes.



Purchase Order and Invoice Automation:

Robots are enhanced with AI and document understanding that allows content to be “read” from semi-structured documents such as Purchase Orders and Invoices based on common contextual terms. This opens the door to take mundane workload away from humans that are needed for more critical tasks, and can be handled with a high degree of confidence via RPA.

Top Manufacturing RPA Use Cases

Let robots handle the tedious and repetitive Manufacturing tasks so your organization can better focus on quality, delivery and profitability.

Logistics / Shipping Management

Managing carrier master data, material packaging, pallet/product locations, warehouse planning, and changes across warehouses/regions can be automated even when involving 3rd party vendors and systems.

Service / Maintenance Scheduling

Combining information from scheduled maintenance systems, line performance, service tickets, and SCADA alarms can be correlated and aggregated from the disparate systems; regardless of integration capabilities, data formats, or geography.

Procurement / Parts Management

Alleviate the challenges related to fragmented systems and managing material price changes, vendor performance tracking, critical parts inventory, and communication/synchronization of changes with Robots that can automatically identify and mitigate issues that would impact production capacity, risk quality, or create pricing errors.

Employee / Safety Management

Robots can aggregate data across disparate systems that each have pieces of employee information related to on/offboarding, training, safety incidents, attendance, and access privileges. RPA can remove manual entry, automate updates, and provide general data synchronization.

Why RPAaaS?

No need to tackle RPA on your own. No need for expensive consultants. Maximize your ROI with Optezo's RPA-as-a-Service. We have the playbook.



Fast-Track to ROI

Optezo's RPAaaS will help you quickly identify the right RPA candidate processes. Deploy your initial bots in a matter of weeks. Optezo focuses on your RPA time to value and will continually improve your bots to ensure you achieve your ROI goals.



“Instant-On” RPA Capability

Engaging Optezo provides you access to all the experts you need with deep experience in all aspects of RPA. No need to worry about RPA and Infrastructure setup. Optezo handles this for you.



Simplicity of Engagement Model

Engaging with Optezo is easy. All costs - software, hosting, development, support, enhancements, monitoring, and ROI reporting are included in one monthly fee.



Out of the Box RPA Center of Excellence

No need to build your own RPA COE. Optezo does it for you. We provide you everything you need for ongoing RPA success including RPA demand generation, governance, best practices, and communication.

Ready to increase your company's effectiveness using RPA?

Contact us to have a look at our catalog of ready-for-RPA Manufacturing processes and let's discuss how you can quickly realize the value of RPA.

[Let's Get Started](#)