

NIC Systems Apps

Backorder Management

The **Backorder Management** app tackles common challenges like short shipments and under-receipts by offering customizable tolerance policies. Define how much a purchase order can be short and assign these policies to specific items, vendors, or item-vendor combinations.

Similarly, set rules for under-shipment allowances and apply them to items, customers, or item-customer combinations. This flexibility ensures shipping and receiving processes stay aligned with the fast-paced needs of manufacturing businesses, minimizing disruptions and improving customer satisfaction.

The **Backorder Management** app also works with the **Customer Insights** and **Vendor Insights** apps, enabling measurement and scoring of under-shipped sales orders and under-received purchase orders.

Visit [Backorder Management](#) to learn more.

Customer Insights

The **Customer Insights** app helps businesses evaluate and understand customer performance through detailed metrics. It tracks payment behaviors, shipment delays, order accuracy, and achievement of profit, rebate, refund, and sales targets. Users can set default or customer-specific targets and define percentage ranges to rate performance as good, average, or poor.

The app also allows users to compare actual customer data against targets and drill down into specific sales documents for deeper analysis. With these insights, businesses can strengthen customer relationships and drive better results.

The **Customer Insights** app integrates with the **Backorder Management** app to measure short shipments, the **Over Shipping** app to track over shipments, and the **Sales Rebates** app to evaluate rebate performance.

Visit [Customer Insights](#) to learn more.

Inventory Freshness

The **Inventory Freshness** app helps businesses maintain quality by enforcing freshness requirements across their operations. It assigns production dates to items during receipt or manufacturing and prevents products that don't meet defined freshness standards from being picked, shipped, or received.

Users can set customized freshness codes for items, vendors, customers, or specific item-vendor and item-customer combinations. By managing freshness effectively, businesses can reduce risks related to inventory quality and improve overall customer satisfaction.

The production dates generated from the **Inventory Freshness** app can be used by the **Lot Algorithm** and **Mobile Data Collection** apps.

Visit [Inventory Freshness](#) to learn more.

Inventory Restrictions

The **Inventory Restrictions** app helps businesses efficiently manage inventory by applying restrictions throughout inbound, outbound, and warehouse processes. It allows users to restrict the entire quantity of an item lot or just a portion of it, then release it when the conditions are met. Designed to address challenges in the manufacturing industry, the app helps manage inventory that needs to be held or quarantined for reasons such as quality control, regulatory compliance, or safety concerns. By streamlining these processes, businesses can improve inventory management, reduce the risk of compliance issues, and maintain better control over their stock.

When paired with the **Item Recalls** app, restrictions can be easily applied to recalled items, and with the **Quality Inspections** app, they can be used to restrict items undergoing inspection or those that have failed the inspection.

Visit [Inventory Restrictions](#) to learn more.

Inventory Shelf Life

The **Inventory Shelf Life** app helps manufacturing businesses manage product shelf life by ensuring that only items that meet shelf-life requirements are picked, shipped, and received. It allows users to create and assign shelf-life controls to specific customers, vendors, and items. With real-time validation, the app prevents expired or spoiled products from being shipped to customers or received from vendors, reducing the risk of returns and customer dissatisfaction. By providing accurate shelf-life data, the app enables businesses to make informed decisions and maintain high standards of product quality.

Visit [Inventory Shelf Life](#) to learn more.

Item Recalls

The **Item Recalls** app helps manufacturing businesses streamline the recall process and stay compliant with industry regulations. It enables users to trace the path of recalled items across the entire supply chain, from raw materials to finished goods, and vice versa. The app supports both mock and real recall scenarios, ensuring preparedness and simplifying the recall process when needed. With the ability to share recall results directly with stakeholders and attach relevant communications like emails, images, or videos, **Item Recalls** keeps all parties informed.

Additionally, it maintains a detailed audit trail of all recall activities, ensuring transparency and traceability for compliance purposes.

When used with the **Inventory Restrictions** app, you can apply restrictions to recalled items to prevent them from being used in transactions.

Visit [Item Recalls](#) to learn more.

Item Tracking Status Indicator

The **Item Tracking Status Indicator** app provides manufacturing businesses with instant visibility into the status of their item tracking, improving efficiency and decision-making across the supply chain. With color-coded updates, users can quickly see whether tracking information is empty, partial, complete, or over the required quantity. Whether tracking lot, serial, or package numbers, the app ensures that businesses can easily stay on top of tracking progress, improving workflow and making it easier to manage complex inbound, internal, and outbound activities.

Visit [Item Tracking Status Indicator](#) to learn more.

Lot Algorithms

The **Lot Algorithms** app streamlines lot management, allowing manufacturing businesses to maintain product integrity, reduce waste, and meet customer demands with ease. The app offers a user-friendly interface for creating customized and complex lot numbers, using a variety of parameters such as production date, expiration date, item number, and more. Users can design lot algorithms by combining multiple factors like document numbers and work shift codes, and even hide specific information such as item numbers or locations. The **Lot Algorithms** app simplifies the creation and tracking of lot numbers, improving efficiency and accuracy.

The production dates from the **b** app and the production batch numbers from the **Production Batching** app can be added to lot algorithms.

Visit [Lot Algorithms](#) to learn more.

Mobile Data Collection (MDC)

The **Mobile Data Collection** (MDC) app simplifies warehouse and manufacturing operations by providing a seamless solution for barcode scanning and real-time data collection. With the MDC app, your warehouse and factory employees can perform key tasks such as inventory counts, product movement, and receiving and shipping operations directly from anywhere within the facility, as long as there is an internet connection. By allowing workers to access important transactions and documents without leaving the shop floor, the app increases transaction accuracy, reduces errors, and saves valuable time and costs.

The **MDC** app can also work with data generated from the **Inventory Freshness** app and **Serial Shipping Container Codes** app.

Visit [Mobile Data Collection](#) to learn more.

Over Shipping

The **Over Shipping** app helps businesses manage the shipment of excess quantities, reducing costly mistakes and customer disputes. You can define flexible over-shipping tolerances at the item, customer, or item/customer level, giving you greater control over how much more than the ordered quantity can be shipped. The app allows you to easily handle partial shipments while ensuring they stay within the defined limits. By streamlining your shipping process and providing tighter control over excess shipments, the **Over Shipping** app improves inventory management and helps reduce operational costs.

The **Customer Insights** app works with the **Over Shipping** app to track and score over shipments.

Visit [Over Shipping](#) to learn more.

Payment Signatures

Managing payment approvals in the manufacturing industry often involves ensuring secure, accurate documentation, and that's where the **Payment Signatures** app comes in. This app automates the process of adding digital signatures to payment documents, saving time and eliminating manual effort. By linking signature files to specific bank accounts and applying rules based on transaction amounts, it ensures compliance with approval guidelines. Whether dealing with large vendor payments or everyday transactions, this app streamlines the process and adds a professional touch to financial documents, giving finance teams in the manufacturing sector a reliable way to manage signatures.

Visit [Payment Signatures](#) to learn more.

Production Batching

Efficient production batching is crucial for manufacturers to optimize resources, reduce waste, and maintain consistent product quality. The **Production Batching** app allows businesses to easily break down production orders into smaller batches with the same bill of materials (BOM) and routing. The app offers flexible formulas to calculate batch sizes based on specific needs, enabling precise control over production. With the **Production Batching** app, businesses can streamline production processes, enhance accuracy, and maintain better control over their manufacturing operations.

When the **Lot Algorithms** app is installed, the production batch number generated by the **Production Batching** app can be assigned to lot algorithms.

Visit [Production Batching](#) to learn more.

Production Instructions

In the manufacturing industry, clear and efficient production instructions are essential to ensure product quality, safety, and consistency. The **Production Instructions** app simplifies the process by allowing you to attach detailed instructions directly to production BOMs. Whether it's setting up workstations, following specific safety protocols, or meeting packaging requirements, this app enables you to deliver accurate, clear instructions to your team with ease. You can add multiple instruction sets, use rich-text formatting for clarity, and include visual aids to guide employees step by step. With the **Production Instructions** app, your team can access everything they need directly from the production order, improving efficiency and ensuring safety in every production run.

Visit [Production Instructions](#) to learn more.

Production Sequencing

In manufacturing, organizing production orders efficiently is crucial to optimizing resources, preventing cross-contamination, and maintaining product quality. The **Production Sequencing** app simplifies this process by allowing you to easily arrange production orders based on start dates, production order numbers, or custom sequence codes. The sequence codes enable you to group similar items and automatically organize orders for optimal scheduling. By streamlining the process, the **Production Sequencing** app helps manufacturers enhance efficiency, improve scheduling, and make better use of equipment.

Visit [Production Sequencing](#) to learn more.

Production Yield Metrics

The **Production Yield Metrics** app gives manufacturers valuable insights by analyzing production costs based on actual output rather than just planned figures. When production results deviate from expectations, the app helps uncover real cost elements, enabling better expense management. With real-time cost analysis, users can easily compare expected and actual component costs based on posted output. Enhanced production order statistics provide a clear breakdown of costs tied to finished goods, while detailed component cost insights reveal total expenses and each component's contribution to material costs. This tool equips manufacturers to make informed decisions.

Visit [Production Yield Metrics](#) to learn more.

Purchasing Restrictions

The **Purchasing Restrictions** app is designed to help businesses maintain better control over their procurement processes. From managing bulk orders for raw ingredients to ensuring compliance with vendor agreements, the app allows users to define approved items and set quantity limits tailored to their needs. By enforcing restrictions during purchasing, producers can avoid overstocking, reduce waste, and streamline ordering. Whether ensuring consistent inventory levels or managing supplier relationships, the **Purchasing Restrictions** app helps businesses stay efficient and focused on delivering quality products.

Visit [Purchasing Restrictions](#) to learn more.

Quality Inspections

Maintaining consistent product quality is essential in the manufacturing industry, where consumer trust and safety are paramount. The **Quality Inspections** app helps businesses uphold their standards by enabling inspections at every stage—from incoming ingredients to finished goods. Define and manage quality tests with clear pass criteria, ensuring products meet strict specifications. Whether verifying shipments, monitoring production, or auditing warehouse stock, the app streamlines the process and provides detailed tracking for accountability. With flexible configurations and a user-friendly inspector role center, producers can proactively address issues, reduce waste, and maintain high-quality products with confidence.

The **Inventory Restrictions** app can be used with the **Quality Inspections** app to block items under inspection or those that fail inspection from being used in transactions.

Visit [Quality Inspections](#) to learn more.

Sales Commissions

Managing sales commissions in the manufacturing industry can be complex, with various products, customers, and sales strategies to consider. Tailored for the needs of producers and distributors, the **Sales Commissions** app lets users design custom commission programs for different combinations of products, customers, and sales agents. Whether commissions are based on sales volume, profit, or tiered goals, the app ensures clarity and flexibility. Integrated reporting and analysis tools provide valuable insights into commission performance, helping businesses evaluate and optimize their incentive strategies. By streamlining commission management, the app motivates sales teams while keeping financial commitments transparent and manageable.

Visit [Sales Commissions](#) to learn more.

Sales Rebates

In the competitive world of production and distribution, rewarding loyal customers while maintaining clear financial oversight is essential. The **Sales Rebates** app streamlines rebate management, allowing businesses to design customized rebate programs for specific customer groups and products. Whether it's offering tiered discounts to encourage bulk orders or applying per-unit rebates to popular items, this app automates calculations and tracks rebate histories with ease. Simplify the process of rewarding customers while ensuring your financial commitments remain transparent and manageable. The **Sales Rebates** app is a powerful tool for building loyalty and driving sales in the manufacturing industry.

Visit [Sales Rebates](#) to learn more.

Sales Restrictions

Managing customer orders can be a balancing act—ensuring compliance with agreements while optimizing inventory. The **Sales Restrictions** app simplifies this process by letting you define exactly which items and quantities customers can order. Whether you're limiting orders to specific products, enforcing minimums to promote bulk purchasing, or adhering to contractual agreements, this app gives you the tools to keep sales aligned with your goals.

Preventing unauthorized orders and blank quantities ensures your sales process stays efficient and under control, helping you maintain smooth operations while meeting customer expectations.

Visit [Sales Restrictions](#) to learn more.

Serial Shipping Container Codes

The **Serial Shipping Container Codes** (SSCC) app simplifies outbound logistics by enabling businesses to generate GS1-compliant SSCC labels and assign them to bundles of items. By streamlining the process of creating and printing SSCC labels, the app ensures that shipments are traceable and adhere to industry standards. Whether you're managing individual or multiple orders, this app provides the flexibility to combine sales orders into a single SSCC, making it easier to track shipments and enhance efficiency in the logistics process.

Visit [Serial Shipping Container Codes](#) to learn more.

Variable Capacity Costs

Tracking production costs in the manufacturing industry requires precision to align expenses with actual resource usage. The **Variable Capacity Cost** app simplifies this process by allowing businesses to calculate direct capacity costs based on real production activities. Whether it's tracking the labor hours of production employees or the usage of safety kits, this app uses flexible cost factors to calculate accurate work and machine center costs. By improving cost transparency, it helps producers gain better financial insights and make informed decisions about production expenses, all while ensuring that cost factors align with day-to-day operations.

Visit **Variable Capacity Costs** to learn more.



Vendor Insights

The **Vendor Insights** app helps businesses evaluate vendor performance to ensure they are shipping the right products on time and as expected. With the ability to track over, under, and early receipts, this app offers a clear picture of how vendors are meeting your delivery standards. Whether you need to monitor accuracy, delivery speed, or consistency, the **Vendor Insights** app provides the data you need to improve decision-making and foster stronger vendor relationships. By setting customizable performance thresholds, it allows you to assess vendor reliability and take action when necessary to maintain a smooth supply chain.

The **Vendor Insights** app integrates with the **Backorder Management** app to measure under-received orders.

Visit [Vendor Insights](#) to learn more.

Warehouse License Plating

The **Warehouse Licensing Plating** app is designed to simplify inventory management by ensuring precise control over package tracking. Businesses can efficiently manage package integrity, contents, and labeling, and enforce strict package posting to ensure that each package is assigned to only one location or bin. It allows for efficient movement and transfer of packages across various locations, while also enabling the printing of labels and tracking of inventory in real time. This app provides a streamlined approach to warehouse operations, enhancing accuracy and visibility in your inventory processes.

Visit [Warehouse License Plating](#) to learn more.