

# Prophet 21 Manufacturing

Epicor manufacturing software puts more power at your fingertips, so work can happen when it needs to, wherever you are, on any device.

Many distributors perform production work like assembling and processing goods for customer orders. While the Prophet 21 solution provides functions that allow for both assemblies and secondary processing, for distributors who perform a significant volume of manufacturing work, Epicor offers the Prophet 21 Manufacturing package. Prophet 21 Manufacturing helps distributors simplify processes, reduce waste, track labor, and improve profitability. The manufacturing package combines production order and secondary processing functionality that allows you to process raw materials as a step within a production order. Additionally, it allows you to track labor—including the ability for employees to clock-in and clock-out of jobs. It is also fully integrated with Prophet 21 Order Entry, Purchasing, Inventory Management, Wireless Warehouse Management System (WWMS), and Financials. Orders for manufactured items can automatically generate production orders, which can trigger picking activities when released to the floor. Buyers can be notified of shortages on components to help ensure they purchased. Once completed, manufactured items can be automatically allocated to orders or stocked.



Epicor® Prophet 21®

## Benefits

Streamline production

Track components through the entire production process

Help improve costing/pricing and profitability via integrated labor tracking

Track Work in Process

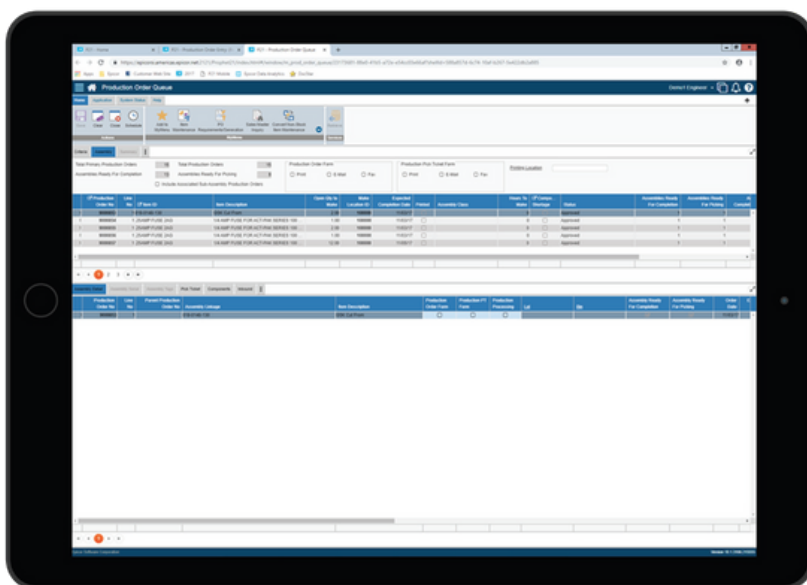
## Capabilities

Integrated multistage processing

Technician and labor tracking—including clock-in/clock-out

Calculate available to promise

360-degree view of production orders





## Integrated Functionality

With Epicor Prophet 21 Manufacturing, you can enter a secondary process as a step within a production order. The Production Order module becomes a one-stop system area to create and process manufacturing transactions. For example, a customer wants you to build a pump for them. As part of this assembly, you must weld and powder coat the frame. Instead of creating a separate multistage process in an order that has no connection to the production order for the pump, you can now designate the necessary multistage processes in the production order—tying all the associated transactions together within Prophet 21.

## Labor and Technician Tracking

Whether you manufacture complex or simple products, labor and technician tracking is important. Prophet 21 Manufacturing allows you to track both technicians and labor through the entire production process. For simple products, you may choose to use general labor for all tasks. For complex products, you may need to be more detailed and decide to break out labor based on the actual task—for example, tracking engineering, assembly, welding, powder coating, and inspection.

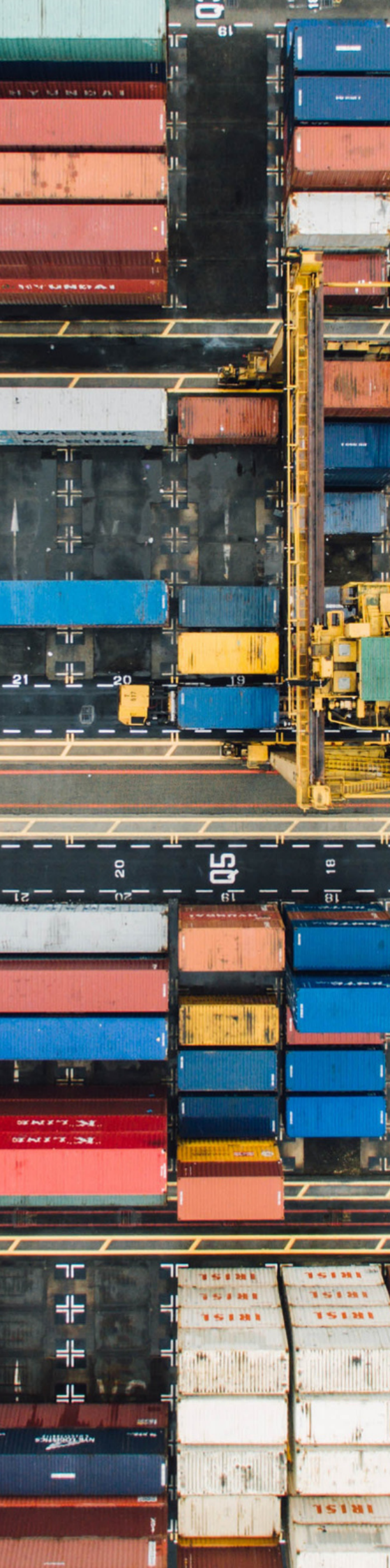
Since things don't always go as planned, Prophet 21 Manufacturing allows you to enter estimated labor and record the actual labor as the work is performed. The Actual vs. Estimate report provides a comparison between estimated and actual labor hours.

Use the Prophet 21 Time Clock Entry feature to keep a detailed log of labor costs by having technicians post their time worked on production orders. Time can be simply entered in standard hours and minutes. To streamline time entry, a clock-in/clock-out function is available that allows technicians to scan their badge and production order to keep a running total for time worked. There's even a pause button for breaks and other interruptions.

## Raw WIP IDs

Some processes change an item to the extent that it can no longer be accurately described by the raw item ID by the end of the process. In these cases, it may not be enough to know what the raw item and the finished item are, since the processes in between shaped it into something else entirely. This is especially true when sending a partially processed item out to a vendor on a process PO.





Take—for example—the cutting and welding of a length of steel. What starts as an 18-foot length of steel will end as multiple angled sections. The next process welds the steel. While still steel, each process ends with something different from what entered the process.

In these cases, you can define a raw work in process (WIP) item ID that identifies the item in its current state. Thus, when you send the welded steel to a vendor as part of a process PO, the vendor can see papers that identify the item as what it currently is—instead of what it was at the start.

### Backflush Transactions and Items

Backflushing processes is a way of reducing the amount of work required to track the progress of a manufacturing order in your system. If an order has multiple processes it must pass through before completion, Prophet 21 tracks each one—allowing you to manually move material from one process to the next until the items are finished.

This is fine for a long process carried out over time, but what if you complete several processes in one chunk of work? This is where backflushing comes in. Instead of moving through each process of a route one at a time, you complete a later process marked backflush. Upon saving, Prophet 21 completes that process and all those backflushed processes that occur before it—greatly reducing the amount of time you spend updating transaction records.

You can also use backflush items. These are small component items that don't need pick tickets. For example, you might use washers as part of an assembly. Instead of printing a specific quantity of washers on a pick ticket and picking them from warehouse bins, the washers are automatically allocated, and the used quantity is removed from the backflush bin or general inventory.

### Production Order Queue

The Production Order Queue enables you to manage all open and pending production orders. In addition to providing an overall view of production orders, the queue can display upcoming and open sub-assembly orders created as part of a master order. You can filter queue results by their processing status—viewing only those that have begun processing, those that have not yet started, or both concurrently. You can also release production orders directly from the queue to make them available for picking and confirmation. To assist with the release process, the queue alerts you to any component shortages.

### Expediting Inquiry

Expediting Inquiry enables you to gain greater visibility into the status of your production orders so that you can better expedite orders for your customers. You can easily determine where there are component shortages and have visibility to their expected due date. This information lets you make decisions regarding what can be allocated to complete the most critical orders without impacting the less critical orders.

## Progress Billing

In many cases, large jobs can span months. It is common for these large jobs to progressively bill for the portion of the job that has been completed. Progress Billing allows you to determine the job completion percentage to estimate expenses, post revenues, and create a progress bill to send to the customer. Progress Billing can be done per order or via the Generate Progress Billing window that allows you to retrieve all progressively billed orders, change completion percentages, and post revenue and cost.

## Completed Production Order Adjustment

In many cases, you will finish a production order and may want to ship it immediately so you can invoice it immediately. However, there may still be open details—outstanding technician time sheets or freight charges you haven't received yet. You might even discover that extra components were used or some components were swapped out and never entered into the system. For these situations, the manufacturing package includes a Completed Production Order Adjustment window. This window enables you to adjust completed production orders to ensure all your costs are accounted for and allocated to the production order and associated customer order if applicable.

Learn more about how Epicor Prophet 21 Manufacturing can help you grow your distribution business by contacting Epicor today.

## EPICOR

We're here for the hard-working businesses that keep the world turning. They're the companies who make, deliver, and sell the things we all need. They trust Epicor to help them do business better. Their industries are our industries, and we understand them better than anyone. By working hand-in-hand with our customers, we get to know their business almost as well as they do. Our innovative solution sets are carefully curated to fit their needs, and built to respond flexibly to their fast-changing reality. We accelerate every customer's ambitions, whether to grow and transform, or simply become more productive and effective. That's what makes us the essential partners for the world's most essential businesses.

---

Contact Us Today: [info@epicor.com](mailto:info@epicor.com) | [www.epicor.com](http://www.epicor.com)

The contents of this document are for informational purposes only and are subject to change without notice. Epicor Software Corporation makes no guarantee, representations, or warranties with regard to the enclosed information and specifically disclaims, to the full extent of the law, any applicable implied warranties, such as fitness for a particular purpose, merchantability, satisfactory quality, or reasonable skill and care. This document and its contents, including the viewpoints, testimonials, dates, and functional content expressed herein are believed to be accurate as of its date of publication, June, 2021. Use of Epicor products and services are subject to a master customer or similar agreement. Usage of the solution(s) described in this document with other Epicor software or third-party products may require the purchase of licenses for such other products. Epicor, the Epicor logo, and Prophet 21 are trademarks or registered trademarks of Epicor Software Corporation in the United States, and in certain other countries and/or the EU. Copyright © 2021 Epicor Software Corporation. All rights reserved.