



"Oftentimes manufacturing developers have never worked in a manufacturing environment and don't think of the things we need. INDUSTRIOS has thought of everything we ever needed and even some things we hadn't."

Roxanne Morrissey, Controller, American Metal Products

Production and Scheduling: Meet Your Due Dates



Know where your production issues are before you have your morning coffee.

Keeping on track can be a challenge with various forces at work beyond your control. We can help you focus on where you can expect problems, and avoid them. Imagine knowing exactly where your issues are. Reports waiting in your inbox each morning identify when you need to take action to prevent missed due dates, then you can get on with your day.

1 Production Control

Never start a production job without materials again.

[Material Availability for Production](#)

Your production schedule looks great but do you have all the material needed to release jobs to the shop floor? The INDUSTRIOS Material Availability Report lets you know at a glance the percentage of material available for each job making it easier to decide which jobs to release to the shop floor. No more work stoppages mid-job due to missing materials.

Know what jobs will be late before they are.

[Job Status Reporting](#)

Feel like you need a crystal ball to tell you if production will be late? With INDUSTRIOS' Job Status Reporting, you'll have your answers early enough to be able to take action. With our report you'll know whether a job is going to be late days and weeks into the future, how much time is remaining on the job and whether you'll have material issues. We think this is better than a crystal ball.

2 Material Planning

You can plan your material needs but when a crisis happens...

[Take care of your emergency material issues first.](#)

As a material planner you're often working weeks and months into the future. If all goes according to plan you'll have the materials you need. However, if material is damaged during manufacturing or defective material is received from suppliers, all of a sudden you have a situation where you need to replace the inventory or risk running short elsewhere. With INDUSTRIOS' powerful Material Planning Workbench you can easily identify where your material issues or emergencies are and address them before you attend to your regular planning.

Order cancellations and date changes need quick action.

[Material Planning Action Report](#)

While cancelled orders don't put you at risk for shortages they can cause unnecessary purchases. Changes to required dates are another matter entirely. If a customer moves their order up a week or pushes it out two months you need to know, and act quickly. The Material Planning Action Report lets you know at a glance what to cancel, what jobs or purchases need to be moved out or pulled in. When your customers change their minds, you'll be on top of it.

3 Scheduling

Do you know where your bottlenecks are?

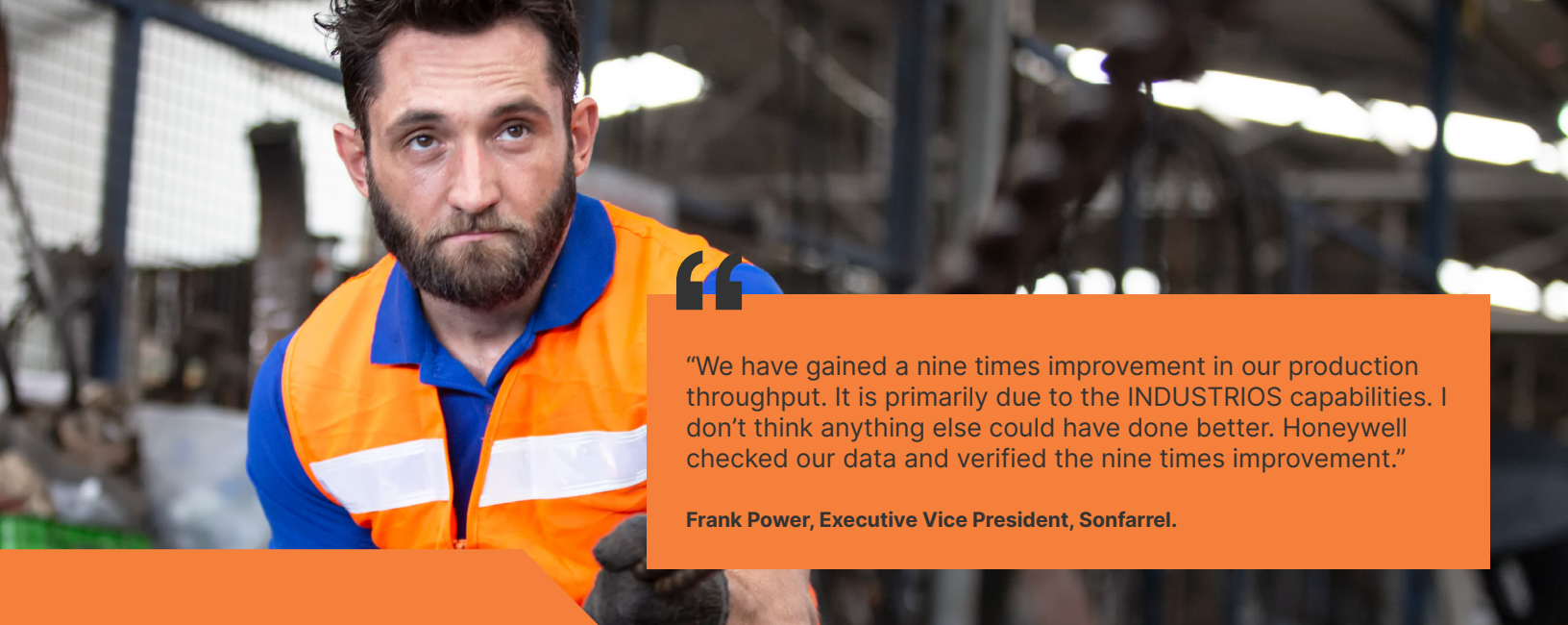
[Capacity Planning](#)

To maximize your capacity you need to know where your bottlenecks are and alleviate them. INDUSTRIOS has the planning tools to highlight where your issues are and what your options are for addressing them. Look at your long term and short term capacity easily. Anticipate your issues before they impact your customers' delivery dates.

Wondering if a second or third shift will impact your on time deliveries? Will you have the material needed if you add the extra shift?

[Advanced Scheduling](#)

The INDUSTRIOS Advanced Scheduling module provides the scheduling staff with the tools to be able to anticipate the impact of shift changes and material availability on costs and meeting your deadlines. Easily revise your plan using the drag and drop Gantt view of the schedule. Alternatively, you can generate multiple versions of the schedule using different assumptions and identify the plan that results in the least number of late orders and is most cost effective. No more wondering.



"We have gained a nine times improvement in our production throughput. It is primarily due to the INDUSTRIOS capabilities. I don't think anything else could have done better. Honeywell checked our data and verified the nine times improvement."

Frank Power, Executive Vice President, Sonfarrel.

4

Shop Floor Tracking

Need up-to-the-minute data on job progress?

Shop Floor Tracking

Having real time data is key to keeping production on track, and fundamental in making decisions for scheduling, resource allocation and expediting customer orders. With shop floor data collection, you can record and track all shop floor activity (labor and work centers), record material transactions and easily query the shop floor. In addition, you can track completed and rejected work at each stage of production keeping you on top of issues that can potentially impact on time customer deliveries.

Having trouble tracking shop floor employees and what they're working on?

View Employee Attendance

Having a punctual and productive work force is a critical factor in being able to meet your production and customer deadlines. With the ability to see who is scheduled vs. who is actually clocked in, you'll know at a glance where your issues are and be able to take steps to address them. In addition, drill down into the employees' activities and know if they're productive. You'll immediately see the list of activities an employee is working on without having to even set foot on the shop floor.

5

Mobile Tracking

Is production hampered by incorrect inventory on hands?

Go mobile for accurate perpetual inventory.

There's nothing worse than stopping production because you don't have the inventory to continue. The best way to ensure accuracy on hands is to complete inventory transactions when and where they occur. With INDUSTRIOS Mobile Tracking, track all shop floor activity including labor and work center transactions, material pulls, returns, scraps, and job completion. In addition, go mobile in shipping and receiving and inventory move transactions to ensure all activity is captured as it happens. You need to be able to rely on your own hands, and going mobile will help.

Need a faster way to report completed production?

Mobile Job Close

If you need to get completed production into inventory quickly then mobile job close is for you. It lets you quickly and easily report completed work and update inventory as soon as it comes off the production line. No need to wait until the entire job is complete as INDUSTRIOS handles partial closes with ease. With no delays or lags, completed production is available for shipping right away.

6

Time Card Management

Are you spending too much time processing the payroll for your manufacturing staff?

Capture the clock in and clock out data and let the system do the rest.

Does your company spend countless hours re-keying data and calculating payroll each week, especially when you have to consider overtime, double overtime, vacation pay and statutory holidays, and the rules surrounding statutory pay? Imagine capturing your employees start and finish times each day and letting the system calculate the rest. You define the rules for overtime, vacation and statutory holidays and the system creates the applicable time card records. Not only that, you can seamlessly export your payroll data directly from INDUSTRIOS into your payroll system, eliminating any re-keying and its accompanying errors.

Do you need better control over employee time cards?

Get control with Time Card Approval.

Time Card Approval gives your supervisors the ability to review and approve each employees' time card records prior to submitting them to payroll for processing. Ensure only approved overtime is paid, and you're not paying for extra hours when employees forget to clock out.



We don't just collect data. We make it work for you.

Production Control

- Clearly identify raw materials and subassemblies required at each routing sequence along with subcontract services, direct purchases, tools, drawings, phantoms, and sequence text.
- Easily verify expected costs based on routing and bills of material assumptions for single or multi-level BOM structures.
- Completely capture all costs associated with each production job.

Manufacturing Cost Analysis

- Quickly analyze production plans and job costs for a specific time frame.
- Readily review the highest, average and lowest values for setup and runtime, BOM and establish new values to use.
- Perform quick and easy updates to production plans with revised values and roll up costs from the lowest level BOM to the parent items.
- Automatically perform cost adjustments on standard cost items.

Subcontract Services Management

- Quickly review the status of your subcontract work from a centralized screen with powerful ranging.
- Easily produce purchase orders, pick tickets and packing slips for materials requiring subcontract services.
- Effortlessly collect costs of subcontract services against the respective jobs.

Material Planning

- Effectively calculate production requirements. The calculation considers the low level code for multi-level bills of materials ensuring the proper sequencing of material requirements.
- Minimizes the number of production orders created with a user-defined expedite horizon.
- Simply review and action the production jobs created from the material plan.
- Easily drill down to details supporting the material planning recommendations.

Advanced Scheduling

- Easily review and modify scheduling results using the drag and drop feature on the scheduling Gantt view.
- Quickly use extensive online filtering to review the schedule results by work order and highlight changes or exceptions.
- Generate multiple schedules to support "What if Multi-Scenario Comparisons."
- Automated Multi-Pass Scheduling allows the planner to establish user defined selection criteria for orders to be scheduled.

Inventory Control

- Easily generate production pick tickets for material handlers based on individual production order requirements or consolidated for a group of orders.
- Effortlessly track material usage transactions by job, sequence or individual item.
- Capture unique serial or lot numbers during transaction processing for complete cradle to grave tracking.

Shop Floor Tracking

- Easily track clock-in and out transactions, labor and work centre time, and quantities completed against production orders, as well as indirect activities such as training and meetings.
- Effortlessly review the transactions in process at any point to identify the status of employees and work centers.
- Automatically relieve inventory and update materials charged to each stage of the manufacturing process.
- Quickly review the job cost status during the production process to determine whether the job is keeping to estimates.

Mobile Transactions

- Quickly record shop floor transactions where they happen using hand held PC's. Automate material, inventory and production transactions without having to go to a shop floor station.
- Leverage barcode technology for recording transactions and improve the accuracy of your perpetual inventory.
- Efficiently report completed production and update inventory.

Time Card Management

- Easily capture time card transactions, manage adjustments, review and approve records.
- Quickly calculate overtime, vacation and statutory holiday hours through our automated calculations.
- Seamlessly interface directly to payroll to save time and improve accuracy.



IndustriOS Software, Inc.

2115 South Service Road W - Oakville, ON L6L 5W2
Tel (905) 432-3877 - Fax (905) 829-3349

sales@industrios.com
www.industrios.com