

DATA-DRIVEN MANUFACTURING REVOLUTION

CIMx Software | Newsletter | September 2017



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DATA-DRIVEN MANUFACTURING REVOLUTIONIZES PRODUCTION

With data-driven manufacturing, production decisions are based on facts and data rather than guesswork. Better decisions, fueled by production data, enable the manufacturer to eliminate errors, increase output, drive profit and capitalize on hidden opportunities.

Quantum's data-driven manufacturing platform gathers data from people, machines and equipment to find patterns and generate enhanced insight into your production processes. These insights power faster, more accurate decisions. Collaboration and efficiency improve when problems are identified and eliminated before they can impact workflow. With relevant and timely data at their fingertips, employees cut costs and achieve better results.

In our latest newsletter, we explore four ways data-driven manufacturing revolutionizes production for manufacturers.

ELIMINATE DOWNTIME AND INCREASE OEE
(OVERALL EQUIPMENT EFFECTIVENESS)

SYNCHRONIZE SALES AND OPERATIONS
TO BUILD COLLABORATION

ACCURATELY ESTIMATE SHIPPING DATES
AND PRODUCTION COSTS

INCREASE PRODUCTION WITHOUT
ADDING RESOURCES

1 ELIMINATE DOWNTIME AND INCREASE OEE (OVERALL EQUIPMENT EFFECTIVENESS)

With Quantum data-driven manufacturing, companies examine real downtime data to better predict and plan for the future. Machine maintenance data is the key to predicting when maintenance will be required. Plan for maintenance before a machine goes down, then build a production schedule that accounts for maintenance time. Look at the overall production schedule to identify bottlenecks and high-performing elements. Then adjust your workflow to capitalize on the opportunities you are currently missing out on without the visibility of data-driven manufacturing.

Result: Less downtime, higher production and an optimized OEE based on historical production data.

2 SYNCHRONIZE SALES AND OPERATIONS TO BUILD COLLABORATION

Disagreements and competing priorities between sales and operations is a challenge for manufacturers. With access to only the most accurate production information in Quantum, collaboration grows. Priorities can be set without the headaches and confusion that can derail projects. Efforts between sales and operations are synchronized, increasing efficiency. Your team begins asking the right questions and coming up with answers supported by accurate data.

Result: Efforts between sales and operations are synchronized, allowing the company to define shared business goals.



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3 ACCURATELY ESTIMATE SHIPPING DATES AND PRODUCTION COSTS

Without easy access to accurate production data, your team relies on guesswork to estimate production costs. Without a real-time view of WIP (Work In Progress) shipping dates become wishful thinking. Faulty estimates set your shop floor up for failure, angry customers, lost profits and missed opportunities. With Quantum, you have an accurate view of WIP and a forecast schedule based on real production capacity to estimate shipping. Deliver accurate estimates quickly with historical production records and past profit and cost analysis.

Result: Deliver accurate shipping estimates, and identify production opportunities with the highest profit margins.

4 INCREASE PRODUCTION WITHOUT ADDING RESOURCES

Errors in production result in waste and inefficiency. Real-time production visibility allows a company to solve problems quickly to meet strict shipping deadlines. Quantum delivers accurate, real-time production data through WIP dashboards and reports so you can identify errors as they happen. With a complete view of shop floor activity, you can assess and assign solutions and alternate work paths confidently, providing the shortest route to problem resolution.

Result: Increase value-added activities, efficiency and output by eliminating errors and focusing on productive work.



MOVING FORWARD IN 2018

As we close out 2017 and begin planning for 2018, consider making your New Year's resolution to eliminate errors and end waste. Gain control of production and start working toward smart, data-driven manufacturing that increases output and profit with every order.

Contact CIMx Software to learn what you can do to prepare for 2018 by eliminating problems today.



Identify problems holding back operations



Receive potential solutions for your obstacles



Determine if Quantum is the best option for your business



Why Should I Invest in Quantum?

Quantum delivers far more than reduced scrap and increased efficiency. The Rapid ROI potential of Quantum comes from the Smart Manufacturing technology that delivers data from your shop floor to your top floor. Gain the tools you need to maximize profitability by adding visibility to your manufacturing.

50

Shop Floor Operators

\$75k

Quality Defect Costs

8k+

Non-productive Hours Wasted

6

Months to ROI Balance

200

Shop Floor Operators

\$225k

Quality Defect Costs

33k+

Non-productive Hours Wasted

8

Months to ROI Balance

