CitySoft

BEAS MANUFACTURING

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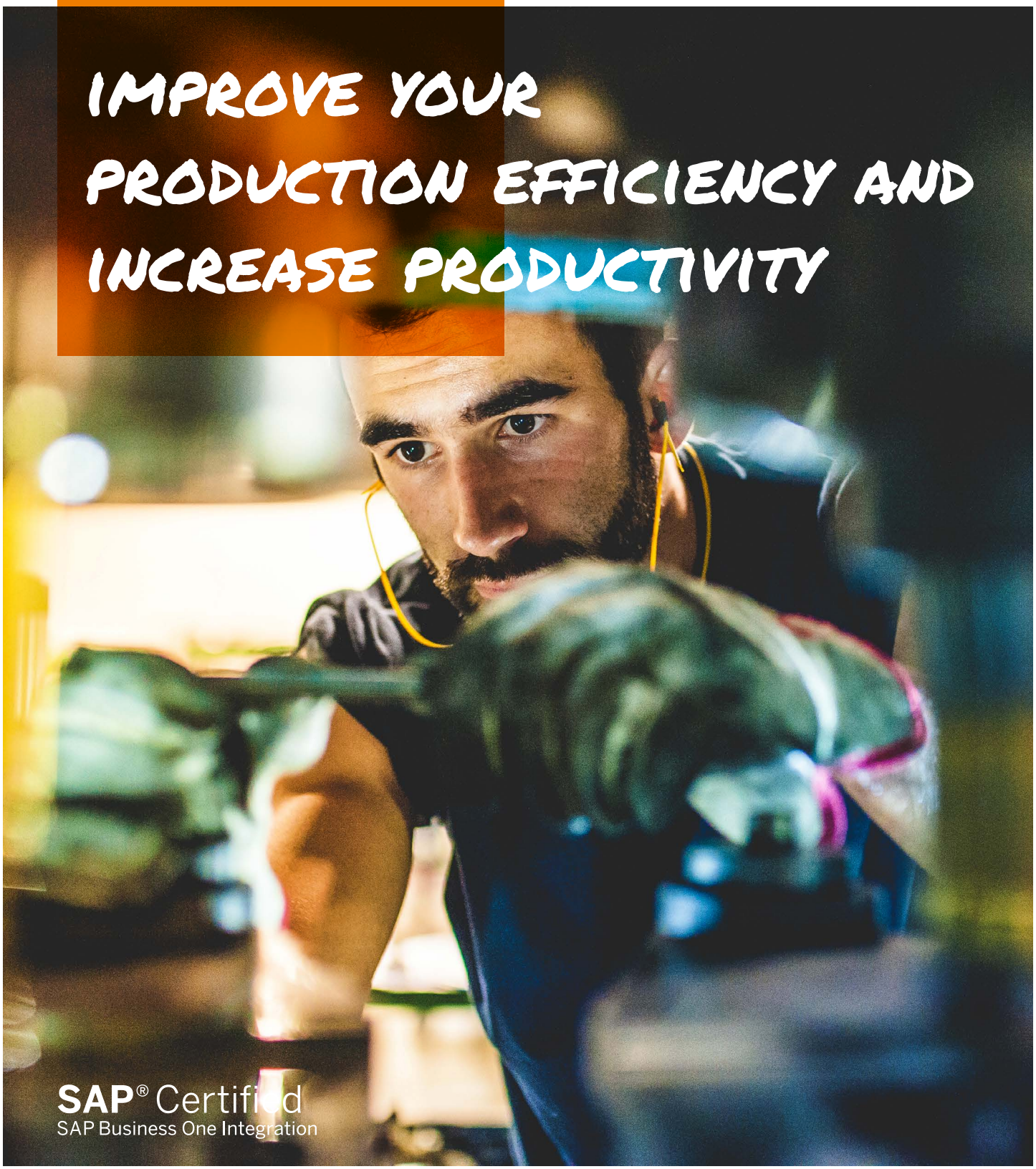
IMPROVE YOUR PRODUCTION EFFICIENCY AND INCREASE PRODUCTIVITY



SAP® Certified
SAP Business One Integration

Gain insight into your Manufacturing business

There's no denying that the manufacturing industry is going through a period of unprecedented change. Traditional operating practices are being disrupted, in a way not seen since the Industrial Revolution, by the rapid emergence of new technologies and the growing influence of big data.

For manufacturers, the issues posed by this era of transformation have shifted almost as quickly as the technologies around them. Five to ten years ago, manufacturing business leaders were asking 'Should we innovate?', or 'How should we go about applying this technology?'. However, today we believe they should be approaching future investment by simply asking 'How can we achieve the improvements in productivity that our organization needs?'.

In order to compete successfully in the future, manufacturers must target efficiency, and will be forced to innovate to cope with order volume, increased product variations, and rapid product development and distribution. The supply chain is becoming more complex, and the companies that simplify it will be the ones that win in the end.

At Boyum IT we understand your industry, and appreciate that choosing the right business solution and technology partner is key to your future success. Beas Manufacturing provides manufacturers with a scalable platform to enhance cross-company collaboration and process execution, with a view to improving operational performance, increasing asset reliability, maintaining quality enforcement, providing consumer traceability and improving BOM agility.

COMPLETE INTEGRATED SOLUTION FOR SAP BUSINESS ONE

LARGEST MANUFACTURING CUSTOMER BASE OF 900+ CUSTOMERS IN BOTH PROCESS AND DISCRETE MANUFACTURING

BEAS MANUFACTURING HAS OVER 20 YEARS OF INDUSTRY EXPERIENCE

BUILT ON INDUSTRY BEST PRACTICE AND MARKET KNOWLEDGE

BEAS MANUFACTURING RECEIVED MORE THAN 20 SAP BUSINESS ONE AWARDS

WORK WITH 650+ PARTNERS WORLDWIDE

SUPPORT OFFICES IN 9 GLOBAL LOCATIONS

WIDEST GEOGRAPHIC REACH OF 115 COUNTRIES

Easily understand product margins

Manufacturing companies are often the least confident in their pricing decisions, and the least likely to raise prices regularly.

For process manufacturers, the complexity of a bill of materials makes cost tracking a challenge: ideally the cost of every ingredient would be tracked, based on the quantity used and its characteristics. In addition to this, the cost of wasted raw materials and ingredients should also be tracked as accurately as possible. Without this information, process manufacturers are unable to estimate their total actual costs per unit, or compare this with the sales price to determine their profit margins.

Beas is able to capture, assign and compare actual and standard costs for all finished products. The ability to capture true costs at batch level provides granular cost visibility, which is key to success in this industry. This includes not only material costs, but labor, machine and overhead costs as well, and it covers the additional need to include the cost of co-products, by-products and the impact of waste.
However, in order to achieve this you must ensure that all of this information is integrated into one system, and this is where the majority of companies face a real challenge.

Using the Beas Manufacturing Data Integration Hub, it is possible to automate the complex and time-consuming process of entering BOM data and calculating its accurate cost. With this integration in place, a process that would usually take your highest-paid engineering staff a week to complete now only takes a few minutes, allowing them to be more productive and add real value to the business.

SAP Business One

"BEAS MANUFACTURING AND SAP BUSINESS ONE HELP US GET A CLEAR OVERVIEW OF OUR PRODUCTION."

"The actual product cost is generated alongside the production, in real time. When the production is complete we have the corresponding cost."

Mole Don Pancho

Optimize your production resources

The close monitoring of manufacturing to maximize throughput enables manufacturers to respond proactively to problems and reduce downtime in the plant. With the increasing complexity of bills of materials, and multi-constraint production resources such as machines, tooling and labor skills, your ability to provide accurate customer delivery dates becomes a complex task. In some cases, production staff record data on paper which creates a lack of production visibility, especially when trying to manually plan multiple resource types simultaneously.

These resources need to be optimized to maximize production output, reduce changeover and setups, while meeting customer demand. With Beas Manufacturing capacity planning, initial delivery dates can be calculated via finite backward scheduling. When combined with Beas Manufacturing APS, both material availability and capacity can be scheduled together to calculate a viable delivery date, enabling the planning of large numbers of short-run production orders.

Get real-time visibility of your business performance

For many manufacturers, understanding your core business operations through greater visibility of office and plant floor operations is the first step in improving bottom line revenue. Storing your data offline or in separate systems seriously impacts your ability to grow. When each report takes too long to be processed and you don't feel you can rely on the accuracy of the data provided, your decision- making process is flawed and you can't respond quickly to the needs of your business.

Beas manufacturing provides a wide variety of functions to enable you to keep track of every relevant aspect in production planning. For example, if the expiration of raw materials is an issue, Beas Manufacturing offers a report that identifies all the lots that are due to expire within a certain number of days. In addition, planned downtime can be managed on the resource maintenance calendar, and production scheduling can be automatically moved from a stopped resource to an active resource.

Furthermore, this solution allows you to easily build dashboards and define KPIs that deliver real-time information, giving you full visibility of your business so you can adapt quickly and maintain your competitive edge in the market. Data is stored centrally and online, not in offline spreadsheets, thus eliminating the manual entry of data into reporting tools and increasing accuracy. The collection and processing of data can even be automated, supporting timely and informed decision-making.

Manage product life cycles & versions

Increasing product complexity and faster cycle times mean that you constantly have to deal with changes in BOMs. This management challenge is made all the more difficult by the pressure to control costs, as these changes aren't communicated rapidly enough through the supply chain. This leads to an incorrect revision of a component, or excessive scrapping and reworking of products. As a result, cost estimates are unpredictable, making it difficult to keep pricing competitive.

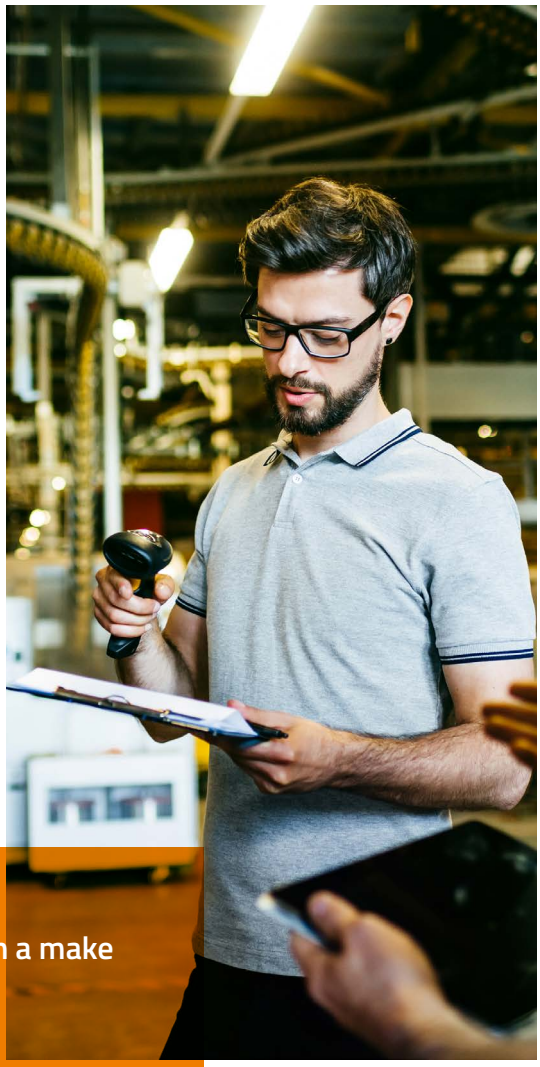
As a manufacturer, BOM change management should be approached as a strategic initiative, creating a systematic approach to automated BOM updates, and the communication of these updates to every department that needs to know. With Beas Manufacturing revision management, you can effectively manage several active BOMs at the same time. With change impact analysis across the enterprise from forecasting to MRP, from purchasing to production, and from inventory to sales order, the entire life cycle can be managed, ensuring that the correct products are available to meet customer demand.

Reduce your excess inventory

The actual costs of inventory are often inaccurate, underestimated and incomplete. While most manufacturers know they have dead inventory, many are unaware of just how much. However, the costs associated with carrying raw materials and finished goods represent some of the most significant costs for any manufacturing company. Obsolete inventory carries a very high cost for organizations as it ties up cash reserves and occupies expensive warehouse space.

The more inventory a company carries, the higher the ongoing costs will be, which is reason enough not to carry dead, outdated, or obsolete inventory. A company that can reduce its inventory costs through operational efficiency will see tremendous benefits.

With Beas Manufacturing supply and demand management, inventory is balanced to ensure the right components and quantities are in the warehouse. At the same time, obsolescence relating to product changes is reduced, and the financial bottom line sees definite improvement.



"Historically we were a subcontractor operating in a make to order environment."

"TODAY WE ALSO PRODUCE OUR OWN PRODUCTS ON A MAKE TO STOCK BASIS, AND THE FLEXIBILITY OF BEAS SUPPORTED THIS BUSINESS CHANGE."

Masach Technologies

Achieve Industry Quality Standards

As commercial pressure to meet regulatory mandates grows, the global need for manufacturers to focus on compliance and traceability initiatives is increasing significantly. By mitigating the risk of product recalls, reducing manufacturing costs and the end-to-end traceability of processes, organizations are able to significantly reduce inefficiencies in the supply chain. Today many organizations still use manual approaches to traceability. Even in organizations where some of this process is automated, there is often a considerable amount of manual intervention, requiring time and effort.

Beas Manufacturing quality control allows enterprises to define what, when and how products are tested, and provides a full audit and electronic documentation trail of quality control procedures and processes. As a result, overall product quality and levels of traceability are dramatically improved.

SAP Business One functionality

Beas basic functionality

Beas advanced functionality

- SAP Business One focusing on accounting and financial reporting
- Beas features, functions and processes focus on addressing industry challenges which are not covered by SAP Business One
- Beas offers optional functionality to address complex industry specific challenges
- Beas is designed to work seamless with SAP Business One

SAP Business One and Beas Manufacturing: they fit together

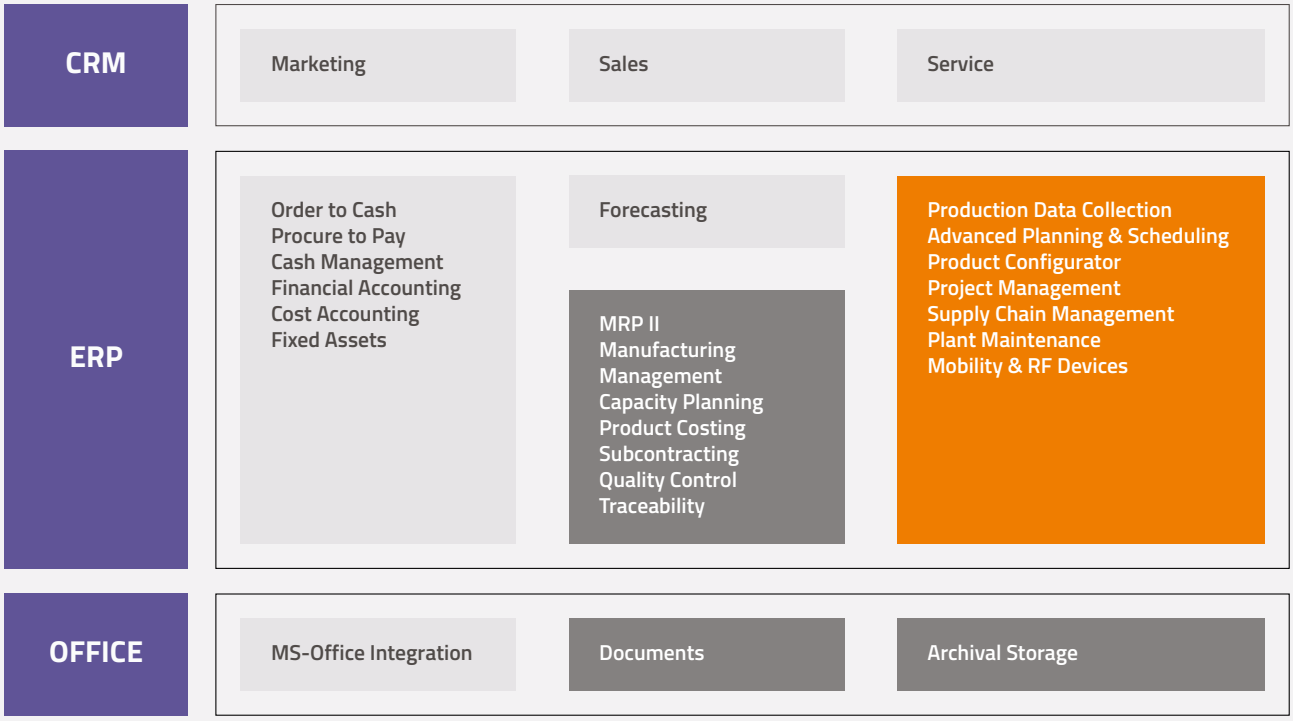
Decision-makers must have a comprehensive overview of their business in order to make informed and effective decisions. This can only happen when their ERP, applications and other data sources communicate with each other in a streamlined way.

Any function that runs independently of the core business system can give decision-makers a real headache. Equally, if elements of a business run parallel to each other without communicating, the output will always be fragmented. In contrast, when properly integrated, workflow automation can directly impact the productivity of the business by reducing manual data entry processes and data duplication, while simultaneously eliminating costly errors and streamlining processes.

To cut a long story short, if you're considering taking on a manufacturing solution that doesn't have an integrated ERP solution as its backbone then think again...

The diagram below highlights the main business processes and building blocks of SAP Business One combined with Beas Manufacturing. At the core we have SAP Business One, which manages the flow of ma- terials and money in and out of the business via sales, service and purchasing, and the relevant financial functions to support the fiscal management of a company.

The addition of Beas Manufacturing introduces industry-related features which are not available as standard in SAP Business One - these are shown in the grey box. The orange box covers optional modules used to solve more complex industry requirements such as production data collection (capturing production-related data in real time) and advanced planning and scheduling for resource optimization.



Beas Manufacturing scales as your business grows

As your business grows and evolves, so too should your manufacturing solution. Beas Manufacturing is modular in design, offering flexibility in deployment, as modules can be purchased and activated during the relevant phase of the implementation.

One of the core concepts that makes Beas Manufacturing such a successful solution for discrete and process manufacturers is our adherence to SAP AIM, or Accelerated Implementation Methodology. We currently work with over 620 partners worldwide and provide them with global support from more than 9 locations.

Our partners have access to our Beas Manufacturing specialists for any questions they have around project quality assurance and functional support, ensuring that you, the customer gets the best service.

We provide our partners and customers with on-site training workshops, eLearning courses and implementation tools, which are founded in more than 17 years of manufacturing experience. Beas Manufacturing is a long-term investment, providing a flexible solution which you can extend and enhance as your business requirements change.

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Industry leading solution provider

Boyum IT Solutions is today the global leading software solution provider in the SAP Business One ecosystem and have received more than 20 SAP awards. Among these are the SAP Global Solution of the Year Award and People's Choice Award, which we received for the last 4 years.

We have the largest partner and customer ecosystems, with a presence in 115 countries and just over 9,000 customers and 200,000 users.

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