



**BEAS**  
MANUFACTURING

TRANSFORMING YOUR BUSINESS

**BECOME MORE EFFECTIVE  
WITH  
BEAS MANUFACTURING**



**SAP® Certified**  
SAP Business One Integration

# Supporting **Key Initiatives** for the **High-Tech and Electronics Industry**

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**High-Tech and Electronics is one of the most complex and fastest moving sectors in the world. Vendors are under constant pressure to introduce innovative products that are more appealing, reliable and inexpensive. With finished products typically having a life-cycle of six months or less, and competition coming from around the globe, you need to optimize your planning, production, purchase, sale and after-sales processes to achieve high levels of customer and service demand.**

Manufacturers will need to be flexible and adaptable to keep up with constantly evolving electronics demands like connected devices and usage of artificial intelligence technologies. There is an increasing pressure from all areas – consumers, businesses, and governments – to look into more eco-friendly manufacturing solutions which comply with the new regulations and environmental and export laws.

At Boyum IT we understand your industry and therefore choosing the right business solution and technology partner is key to your future success. Beas Manufacturing provides the flexibility to operate in a mixed mode environment and can flex with you when your mode of operation changes to satisfy the needs of evolving business. Beas Manufacturing is simplifying your manufacturing process to improve efficiency, while increasing profits.

This solution brief highlights the challenges of today's environment for high-tech and electronics manufacturers and details how Beas Manufacturing provides a completely integrated solution for managing your business with a single, comprehensive solution.



**COMPLETE INTEGRATED SOLUTION FOR  
SAP BUSINESS ONE**

**BEAS MANUFACTURING HAS OVER 20 YEARS OF  
INDUSTRY EXPERIENCE**

**BUILT ON INDUSTRY BEST PRACTICE AND  
MARKET KNOWLEDGE**

**LARGEST MANUFACTURING CUSTOMER BASE OF  
900+ CUSTOMERS WITH 100+ OF THEM IN HIGH-  
TECH AND ELECTRONICS**

**BEAS MANUFACTURING RECEIVED MORE THAN  
20 SAP BUSINESS ONE AWARDS**

**WORK WITH 700+ PARTNERS WORLDWIDE**

**SUPPORT OFFICES IN 9 GLOBAL LOCATIONS**

**WIDEST GEOGRAPHIC REACH OF 125 COUNTRIES**



## Integrate easily to **CAD / PLM** for Bill of Material data import

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**Companies who utilize both an external PLM or CAD Systems and an ERP software may find themselves entering their Item Numbers and Bills of Materials twice – once into each system. Double entering data is not only inefficient, but also can create more mistakes and lead to data inaccuracy.**

It is time consuming to calculate the costs of a manufactured item without an integration in place. Not being able to quickly analyze the information of the different sources about items, bills routings, indirect cost calculation formulas, and the costing version is affecting your ability to determine a selling pricing and effecting the bottom line.

Using Beas Manufacturing Data Integration Hub, we automate the complex and time-consuming process of entering BOM data and calculate its accurate cost. Having that integration in place, the process that would usually take a week from your highest-paid engineering staff, only takes a few minutes allowing them to keep being productive and adding real value to the business.

# Optimize your production resources

Listening to the pulse of manufacturing to maximize throughput enables manufacturers to respond proactively to problems and reduce downtime in the plant. With increasing bill of material complexity and multi-constraint production resources such as machines, tooling and labor skills, your ability to provide accurate customer delivery dates is getting to be a complex task. In some cases, production staff are recording data on paper creating 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 change-over and setups, while meeting customer demand. With Beas Manufacturing capacity planning, initial delivery dates can be calculated via finite backward scheduling. Combines with Beas Manufacturing APS both material availability and capacity can be scheduled together to calculate the capable to promise delivery date while allows you to effectively plan large numbers of short run production orders.



**BEAS**  
MANUFACTURING

"Providing 45 different KPIs and key financials on a monthly basis took us 1 full-time person over 1 month to generate."

**"WITH SAP BUSINESS ONE AND BEAS MANUFACTURING THIS IS NOW DONE IN 5 DAYS - A 75% IMPROVEMENT."**

**SAP** Business  
**One**

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# Manage product life cycles / versions

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**Increasing product complexity and faster cycle times means that you constantly have to deal with changes in BOMs. It's a management challenge made more difficult by the intense pressure to control costs. Changes aren't communicated through the supply chain rapidly enough, leading to the wrong revision of a component or excessive scrapping and reworking of products. Cost estimates are unpredictable, making it difficult to keep pricing competitive.**

As High-tech and electronics manufacturers you should approach BOM change management as a strategic initiative. Create a systematic approach to automating how you update BOMS and how you communicate the updated BOM to every department that has a need to know. With Beas Manufacturing revision management you can effectively manage several active BOM's at the same time. With change impact analysis across the enterprise from forecasting to MRP, purchasing to production, and inventory to sales order, therefore managing the full life cycle and ensuring the correct products are available to meet customer demand.

# Reduce your excess inventory

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**Quite often, the actual costs of inventory are 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 a high-tech and electronics company. Obsolete inventory carries a very high cost for organizations as it ties up a business' 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 their inventory costs through operational efficiency will see tremendous benefit.

With Beas Manufacturing supply and demand management, inventory is balanced to ensure the right components and quantities are in the warehouse, while reducing obsolescence related to product changes, thus positively impacting the financial bottom line.



# Achieve **Industry** **Quality** Standards

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The need for manufacturers to focus on compliance and traceability initiatives is increasing significantly across the globe as commercial pressures grow to meet regulatory mandates. By mitigating the risk of product recalls, reducing manufacturing costs and quality controlling end-to-end traceability of processes, organizations will also be able to successfully reduce inefficiencies within the supply chain. Many organizations today still use manual approaches to traceability. Even in those organizations where some of the process is automated, a considerable amount of manual intervention typically still takes place which requires a lot of time and effort.

Beas Manufacturing quality control allows enterprises to define what, when and how products are tested, providing a full audit and electronic documentation trail of the quality control procedures and processes thus increasing overall product quality and levels of traceability.



**"BEING A CONTRACT  
MANUFACTURER BEAS IS THE  
OPTIMAL SOLUTION FOR US."**

"With Beas we were able to enhance significantly our manufacturing processes' efficiency, which helps us being ready for the future"

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# Get **real-time visibility** of your business performance

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**Understanding your core business operations is, for many manufacturers, the initial step in improving bottom line revenues through greater visibility of office and plant floor operations. Storing your data offline or in separate systems will hugely impact your ability to grow. When each report takes too much time and you cannot feel safe of the accuracy of the data, your decision-making process becomes a real challenge and you cannot respond as fast to the business needs.**

Beas Manufacturing built-in dashboards and KPIs provide you're a real time data which will put you in front of your business, so you can quickly adapt and maintain your competitive advantage in the market. Data is stored centrally and online not in offline spreadsheets thus eliminate manual entry of data into reporting tools thus increasing accuracy. The collection and processing of data is automated supporting timely and informed decision making.

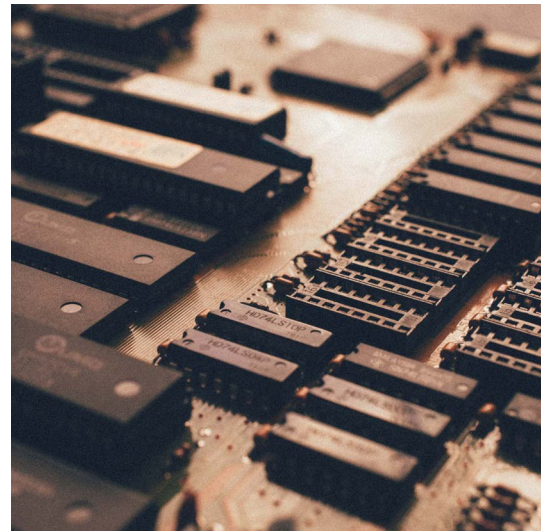
# Beas Manufacturing **scales** as your business **grows**

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**As your business grows and changes, you need a solution that can grow and change with you. It is modular in its design and offers flexibility in deployment as modules can be purchased and "turned on" during appropriate phases of implementation.**

The key vehicle that transforms Beas Manufacturing for High-tech and Electronics into a successful business solution is our adaption of SAP AIM (Accelerated Implementation Methodology). We are working with more than 680 partners worldwide and provide them with global support in more than 9 global locations.

Our partners have access to our Beas Manufacturing specialist for any questions they will have around project quality assurance or a functional support making sure that you, as their customer is getting the best service. We provide our partners and customers onsite training workshops, eLearning courses and implementations tools, which is built on more than 17 years of manufacturing experience. Beas Manufacturing is a long-term investment and we provide a flexible solution which you can, at any point in time, expend and enhance as your business requirements change.





# Industry **leading** solution provider

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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 125 countries and just over 9,000 customers and 200,000 users.

