## J.Mangsun & Company

### Bearings Manufacturing

# Softwin's Custom ERP Software Makes Production Company More Productive

## Challenge

No view of available stocks, uninformed production planning and raw material scoping, inability to identify best suitable vendor, separate entries to be made in inventory, order entry and invoicing packages leading to duplication of effort, no data security leading to data tampering.

## Solution

Workstation ERP, a highly scalable and modular application provides high data security and real time inventory control. It also supports Quality Standard ISO/TS 16949 and features a strong reporting tool. Modules are closely interlinked with each other so that a small change in one module results in a corresponding change in the related fields of the other modules as well.

### Tightens Operations with Workstation

J.Mangsun & Company specializes in manufacturing critical Bearings as per industry standards and specific customer requirements for a wide variety of industries. Founded in 1965, J.Mangsun manufactures and imports best quality tools to produce high quality, reliable Bearings using modern multi stationed equipment. Having its manufacturing plant in Mumbai, J.Mangsun & Company has direct sales in India and supplies its products to the rest of world.

### Workstation - Secure, Robust and Tightly Integrated ERP Solution from Softwin

Prior to implementing Workstation, the company relied on a Fox Pro based local software application with separate packages for accounting and inventory to maintain stocks and generate invoices. Since the inventory and Quality processes package were not linked to each other the entries had to be made separately into each of them causing duplication of labor and leaving room for human error. There were also some serious data security issues with this software as any user could delete entries once the entries were generated.

The management of J.Mangsun & Company wanted an ERP software that could provide them with high data security where access and security limits could be pre defined so that the user can merely make additions and not tamper with pre-exisiting data. Mr. Ramdas Jaid, Lead Auditor for J.Mangsun and Country Manager of Cermet Inspection and Certification Body Pvt. Ltd. for India operations said "The other requirements of the organization should includes robust Quality support, real time inventory control and visibility throughout the manufacturing cycle, automatic reporting option and tight integration of modules to avoid duplication of work" and Workstation was undoubtedly the best solution for them.

Guided by its strong product understanding and domain knowledge, Mr. Jaid, who is the Lead Auditor for the organization and Country Manager of Cermet Inspection and Certification Body Pvt. Ltd. for India operations was able to understand J.Mangsun's unique requirements and then suggested to have live system demonstration to highlight the strengths of Softwin's Workstation and also implement the software quickly and adequately.

J.Mangsun & Company decided to implement Workstation comprising of System Manager, Inventory Control, Order Entry, Purchase Order, and Transactional Analysis & above all of these Quality Module for TS16949 as the major modules.

### Real time view of inventory for informed procurement

J.Mangsun has a state of the art manufacturing facility in Thane where it produces best quality bearing for its customers across the globe. When the sales team receives an order from a customer, the existing inventory is checked and if the product is not readily available in the warehouse then a production plan is formulated. The raw materials needed for production have to be scooped and a checklist is made of the raw materials that have to be procured locally, imported from vendors based abroad or else in the case of high quality raw material

## Result

Real time inventory control ensures that production planning is done accurately and the correct quantity of raw material is ordered at the right price from the right vendor. Tight integration between the various modules eliminates duplication of efforts and a high level of data security prevents data tampering. Reports are generated automatically in the required format.

and tools, manufactured in-house. "Since the variety of inputs required for manufacturing Bearing is quite vast and a considerable number of vendors need to be dealt with for procurement of raw materials, manual maintenance of inventory is not possible. Furthermore unless there is a real time view into available stocks of finished products and raw materials in different process, production planning will be flawed leading to considerable losses," opines Mr. Pendse, "Workstation offers us a real time view of the finished goods stock that is available with us, helps us identify the shortfall that needs to be produced and also scope the raw materials required for manufacturing these out of stock products. Since it provides us with a ready reckoner of the raw materials being sourced from various vendors and their expected time of arrival while also providing us with an update of the products under production within process on the shop floor, it also helps us forecast availability of out of stock products. Workstation's inventory control module also enables us to compare vendors on the basis of prices and delivery schedule and thus ensures that we get the raw materials at the best prices in the shortest time frame."

Once the raw material is received it is transferred to the shop floor where it goes into production and once the finished product is ready it reflects in the inventory at the warehouse. Since Workstation provides an accurate definition of the location and flow of raw materials throughout the order entry and manufacturing process, it provides better control of the process and the outcome on the shop floor.

### Seamless integration of modules for zero duplication and errors

When the company was dependant on the Fox Pro based software, the order would be booked by the sales person in the Order Entry module and this would then have to be manually keyed again in the Planning Section for material procurement purposes. Similarly once the raw materials were received in the inventory module a separate entry would have to be made in the Quantity Receivable section. This caused a lot of duplication of effort and manual transfer of data also left room for errors.

"In Workstation the Quality and order entry modules are tightly linked with each other. As a result any order that is booked under order entry automatically reflects in Material Procurement section as it is linked with Bill of material. Similarly once the raw materials are received into the inventory module the supplier rating in Quality module updated, keeping in mind the specific currency exchange rate depending upon the country that the raw material has been imported from," explained Mr. Pendse, Director, J.Mangsun.

### Automatic reports generated at the touch of a button

Once the product has been delivered to the customer, the sales person is responsible for collection of payments from the customer and is entitled to his sales commission only after the pending amount is collected. Using Workstation a customer ledger can be automatically generated from the General Ledger to provide the sales person with an accurate report of the number of invoices due as of date. It is also possible to generate reports on item wise pending orders for manufacture and pending orders for delivery to customers using the Financial Reporter tool in Workstation, which can dynamically extract data from the database to generate reports in the required format.

### High data security for greater control

In the earlier system it was possible for the user to delete an entry after the corresponding invoice has been posted leading to discrepancies in the books. There was no system of laying checks and measures to prevent data tampering by the user. Workstation has predefined access and security definitions that allow the user to only add entries and prevent him from making edits and deletions to pre-existing entries once the invoice has been posted. Only the administrator is given the powers to modify security settings and access controls. Complete view of the data is accessible only to the manager. This ensures that the accounting process is stringent and streamlined and as a result the auditing process is a lot easier and less time consuming.