VERTICENT

Manufacturing Plus
Enterprise Software
Forged From Experience

Verticent's enterprise application software solution entitled ERP *Plus*™ integrates back-office applications for manufacturing, distribution and financials with front-office applications for customer support and sales force automation. ERP *Plus*™ is an internet-enabled software suite that extends communications across your entire organization and throughout your virtual supply chain. Verticent is focused on developing software solutions that enable users to know, understand and respond to their customers, suppliers, partners and employees.

Manufacturing *Plus*™ automates and streamlines your enterprise planning and shop floor operations. By providing critical information on every level of the manufacturing process – from resource planning to shop floor to administration – Manufacturing *Plus*™ helps drive decisions in sales, finance and customer support. Now your entire organization works in sync with up-to-the-minute customer information to serve your customers better and to enhance your bottom line.

AN IDEAL FIT
Whether your manufacturing operations consist of one plant or multiple sites, Manufacturing *Plus*™ is an ideal fit. The application supports multiple plants by allowing an organization to centrally define parts, bills of materials (BOM's), suppliers and more. Then, these definitions easily can be distributed across multiple plants or servers. And Manufacturing *Plus*™ thrives in mixed-mode product environments. It supports make-to-order, make-to-stock, assemble-to-order, configure-to-order, job shop and repetitive environments.

INTERNATIONAL SUPPORT
As companies expand into international markets, they need international support from their back-office software solutions. Manufacturing *Plus*™ accommodates international trade by providing international date formats, customs documentation and international phone numbers and addresses. Also, full multi-currency support in Manufacturing *Plus*™ allows you to conduct purchasing transactions in foreign currencies and translate receipt amounts to the base currency for actual costing. Multi-currency support ensures common rate utilization throughout ERP *Plus*™.

SUCCESSFUL MANUFACTURING OPERATIONS
On virtually a daily basis, companies around the world are discovering new techniques and tools designed to improve their manufacturing processes. Today's manufacturing landscape is an ever-evolving environment, and only companies with streamlined manufacturing processes will succeed. Manufacturing *Plus*™ helps you compete in the increasingly competitive economy by automating and streamlining manufacturing operations.

The result – reduced waste from back-office processes, reduced cycle times, improved communications between your front-office and back-office, increased levels of overall customer satisfaction and more.

INVENTORY CONTROL
Manufacturing *Plus*™ simplifies inventory control. It tracks all movement of materials, allocations, movement history and inventory transfers throughout your single plant or multiple locations using full radio frequency (RF)/bar code data collection.

SERIALIZATION AND LOT CONTROL
Enhanced serial/lot functionality allows serial number input at receipt or shipment. Serial/lot functionality also allows a lot-controlled item to be linked to a serialized parent and enables forward and backward traceability for items that are made with a combination of lot-controlled and serialized items.

FINANCE
Manufacturing *Plus*™ is fully integrated with Financials *Plus*™ – the powerful financial module of ERP *Plus*™ – to deliver cost management and reporting with unlimited user-defined cost elements. Featuring cost variance analysis and graphical cost comparison inquiries and reports, Manufacturing *Plus*™ quickly identifies and isolates potential problem areas. Other features include inventory valuation, month-end reporting and three-way matching. It also handles standard, average, FIFO and LIFO costing.

Also, an integrated project reporting system in Manufacturing *Plus*™ allows project numbers to be assigned to requisitions for all purchasing transactions. The project numbers flow through to purchase orders, manufacturing vouchers and on to Financials *Plus*™ as accrual journal entries.

QUALITY ASSURANCE
Manufacturing *Plus* provides inspection processing, inspection history, supplier quality evaluations and user-defined inspection criteria. Quality Assurance is vital to continuous manufacturing improvement – and tighter, more precise processes equal greater manufacturing consistency, which leads to better products and ultimately more satisfied customers.

Benefits from Manufacturing *Plus*™:

- Material attributes are user defined enabling extended definition of inventory such as chemical and physical properties for metals and other materials.
- Supplier ratings help improve the service they provide to improve the supply chain.
- Interactive MRP review gives immediate feedback to changes in the supply – real time.
- Material Optimization accurately determines the best tag to meet the customer order whether it's a simple cut, slit, fabrication, or nested order. Reducing drops and scrap.

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WORKFLOW-ENABLED ENGINEERING CHANGE MANAGEMENT

By electronically notifying users when their action or assistance is required, Manufacturing *Plus*™ enables you to eliminate the paper trail and use workflow-enabled engineering change management to reduce waste and cycle times. Workflow management in Manufacturing *Plus*™ also helps you document your procedures – as required for ISO and other quality certifications.

Engineering change management is the first step to streamlining workflow. Now, you can take control of the engineering process and reduce its cycle times. Workflow management in Manufacturing *Plus*™ automatically routes action messages to the individuals involved with approving an engineering change request – notifying them via e-mail when their action is needed. The entire process is paperless. From planning through requisition and purchase order generation, electronic action messages are delivered to the appropriate individuals at the appropriate time.

Also, your supplier information, purchase agreements and supplier evaluation metrics are electronically maintained – and electronic data interchange (EDI) is fully supported.

INTERACTIVE PLANNING AND SCHEDULING

By automating the back-office manufacturing process, you'll tap into the power of interactive planning and scheduling capabilities. With Manufacturing *Plus*™, you can analyze current product schedules and ways to streamline production. Automated planning and scheduling in Manufacturing *Plus*™ is designed help you move more product – and less paper.

Offering enhanced alternate routing support, Manufacturing *Plus*™ allows you to create, maintain and use alternate routings during work order entry for capacity planning and shop floor scheduling. You can also establish and maintain more than one alternate routing for any manufactured item.

Also, Manufacturing *Plus*™ easily captures information on any rejected materials, rework costs and total costs involved for production of reworked items. Rework processing capabilities are provided to allow you to assign any rejected items to a maintainable rework order – complete with the costs of all previous operations.

MANUFACTURING RESOURCE PLANNING (MRP)

Manufacturing *Plus*™ provides user-friendly, graphical, interactive MRP as well as supply/demand review, master production scheduling, sales/forecast/plan comparison, capacity analysis, constraint analysis, material what-if analysis, supplier MRP and supplier schedules.

As an interactive capability, MRP in Manufacturing *Plus*™ allows you to synchronize supply and demand based on up-to-the-second information – all online. Also, finite capacity of bottleneck work centers can be factored in as needed.

Manufacturing *Plus*™ provides a powerful MRP window for quick viewing and responding to action messages. Material planners can easily access this window and eliminate trudging through mounds of obsolete MRP action reports.

FINITE SCHEDULING WITH *WHAT-IF* SIMULATIONS

Powerful finite scheduling capabilities enable you to create production schedules based on finite capacity constraints and then simulate changes to the schedule by asking *what-if*. Interactive *what-if* scenarios let you consider, and make, real-time decisions with immediate feedback. When satisfied with the simulation, you instantly can update the production schedule.

Other Features of Manufacturing *Plus*™:

- Document Tracking
- Master Production Schedule
- Capacity Planning
- Material Forecast
- Physical Inventory
- Cycle Counting
- Material Shortage Analysis
- Release and Conflict
- Inspection Processing
- Tooling Management
- APS Interface
- Optional Landed Cost Management

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