ramco

Co-create. Innovate. Win.

High Tech Manufacturing

White Paper

Overview

Any enterprise goal is to crash manufacturing lead times, increase inventory turnover and service customer demands promptly. While trying to achieve these targets, quality standards have to be maintained and waste has to be eliminated. Positive references count. Therefore, the customer expects and also gets high levels of aftersales support. All this is not an exception in High Tech industry too, which has high volumes of products to be handled in all the nodes of Supply Chain and highly automated manufacturing systems.

Ramco's Comprehensive Solution for High Technology enterprises

The Enterprise Discrete Manufacturing solution consists of a comprehensive suite of pre-built software components and services. This is a personalized solution specific to the enterprise - a combination of personalized assembly of pre-built software. The solution delivered by this approach is dynamic and is capable of evolving and changing as the business environment changes.

The solutions are designed to power intra enterprise planning and delivery across all functions. Additionally, the solution is intended for collaborative operations between the enterprise and its partners – customers and vendors.

Ramco's solution for High Technology enterprises is a totally integrated system that has been developed based on Ramco's extensive experience with electronics and electrical products manufacturing companies. The solution is designed to meet all specific needs for varied users in different functions. Ramco's Enterprise Discrete Manufacturing delivers the following benefits to enterprises in the High Technology industry

- One enterprise solution for a multi-company, multi-geography, multi-currency enterprise - enterprise wide transactional backbone providing support for all functions
- Ability to deliver geography / country specific functionality within a single solution
- Ability to integrate and collaborate across the supply chain to reduce cycle times
- Ability to synchronize the supply chain for a multi-company enterprise
- Comprehensive manufacturing planning and control function with associated planning, scheduling and execution functionality
- Special emphasis on supply chain functions to ensure fast and least expensive servicing of customer demands
- A complete financial solution for the enterprise - handling books of accounts, management accounting, receivable and payable accounting, treasury, etc
- Web-architected solution that promotes anytime, anywhere working
- The technology underlying the solution promotes integration with other solutions – plant automation systems, bar-code systems, RFID systems, etc

Addressing the key Pain Areas of High Tech Manufacturing Industry

INDUSTRY CHALLENGES	RAMCO ADDRESSING THE CHALLENGES
SCM & Time management: Need to maintain effective SCM chain across the distribution network and across the Customers.	Stock visibility across the supply chain, Efficient Distribution Planning, Sales planning to OEM's warehouse replenishment.
Inventory Control: More inventory due to anticipation of more orders.	Vendor Managed Inventory, Powerful Forecasting and Planning techniques to optimize the inventory in warehouse.
Production Tracking: Parts tracing till the customer incase of a field complaint.	An effective Lot / Serial nos. tracking, the parts can be tracked till the Zone/bin level also.
Sub- Contractor tracking: Tracking Sub-contractor for his quality and material re-conciliation.	A powerful Sub-contractor module to support conversion, Service and activity sub-contracting.
Material Planning: Fluctuating Demands as the market is dynamic.	Time-phased material plans, MPS with Configurable planning horizons.
Quality Control: Sustenance of the parts Quality through out the process.	Each item, a control point can be created with a set of control factors.
Testing: Testing is the major pain area in which sequences of testing and result analysis is important	Ramco's analysis tool and control points take care of testing and result analysis in a professional manner.
Quality Control: Sustenance of the parts Quality through out the process.	Each item, a control point can be created with a set of control factors.

Our final solution for High Tech enterprises is based on our unique technology platform that allows rapid solution assembly. Also important to rapid solution delivery is our extensive list of pre-built solution components some of which are listed below

- Portals (Customer & Supplier)
- Demand Fulfillment
- Inventory management
- Procurement management
- Sub-contract management

- Distribution management
- Manufacturing Planning
- Finite Scheduling
- Shop Reporting
- Workflow
- Collaboration Manager
- Maintenance management
- Analysis & Productivity Tools
- Financial management
- Human Resources Management

Customer List

- Moser Baer
- Recorders & Medicare
- ETA
- Opto Speed
- DXB Video

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