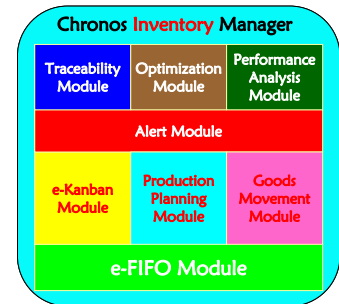




Our Solutions

Chronos Inventory Manager (CIM) is a suite of integrated applications specifically designed to optimise Inventory Control in complex manufacturing and distribution environments.

CIM's unique modules embody industry-proven methodologies that enable effective inventory management across diverse manufacturing and distribution processes. In short, **CIM** restores your control over inventory costs and enhances time-to-market for fast-moving products.



CIM FIFO Package

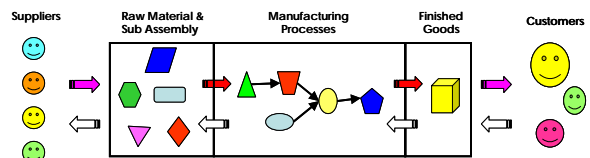
The **CIM FIFO Package** is designed to monitor inventories based on a First-In First-Out approach involving Raw Materials, work-In-Progress, and Finished Goods. The **CIM e-FIFO module** enables accurate storage, retrieval, and tracking of product shelf life, usage, and stock levels in Real Time. This package can be deployed via a wireless PDA and barcode system that ensures operation efficiency and data accuracy.

Significant benefits are:

- ✓ Enhanced shelf-life control
- ✓ Greater inventory accuracy
- ✓ Optimal space utilization
- ✓ Real-time inventory information
- ✓ Elimination of unnecessary movements
- ✓ Error-free material usage

CIM Distribution Package

The **CIM Distribution Package** is a distribution module which records various inventory "movement" activities such as Issuing, Receiving, Stocking, Rejecting, Transferring, and Quarantine. The **CIM Distribution Package** enables detailed tracking and monitoring of all goods movement – who, when, what, where and how much. In addition, the Stock Counting sub-module is designed using Pareto analysis principles to identify and clarify "suspected" product items under different circumstances to eliminate abnormality in the operation.



Significant benefits are:

- ✓ Effective tracking of all inventories in transit
- ✓ Replaces cumbersome stock card system
- ✓ Enhances purchasing and sales planning processes
- ✓ Improves overall stock accuracy

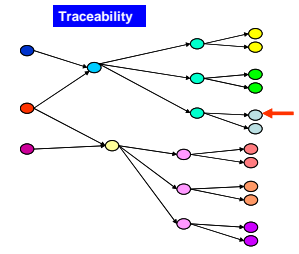
CIM Monitoring Package

The **CIM Monitoring Package** is designed to enhance the management's controls in the overall material management processes for the organization. This package encompasses several powerful modules such as:

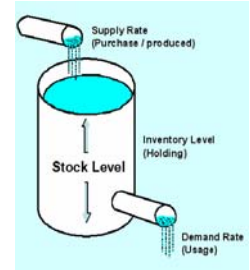
The **CIM Alert module** provides further value to inventory control processes in the form of Management by Abnormality. The module provides user-definable alert triggers such as inventory max/min/reorder levels and about-to-expire levels. Users can set up redundant methods of notification, scheduled checking and dependencies. The system will automatically alert targeted individuals or groups via email, SMS or IM.



The **CIM Traceability** module works in tandem with the **CIM Alert** module to enable detection and isolation of product or batch defects before shipping. This module offers real-time, detailed information including What, When, Who, Which Machine and How Many, down to the part level. The embedded **Quarantine** function prevents non-conformance products from reaching customers as soon as an abnormality is detected. The **Quarantine** function effectively preempts the damaging effects of a manufacturer recall.



The **CIM Optimization** module is a real-time engine that enables dynamic computation of optimum inventory levels by weighing various factors such as demand and supply variations, frequency of item usage & movement, and associated inventory costs. Aside from reducing inventory holding costs, it also improves the accuracy of stock procurement and usage. With the system, users can prioritize their focus on the most critical item(s) that bring the best results to the operation. The 80/20 rule is built in to the decision making model.



Significant benefits are:

- ✓ "Hands-free" approach via Management by Abnormality
- ✓ Faster response and proactive approach in managing inventories & operations
- ✓ Enhanced risk management
- ✓ Improve the supply chain process
- ✓ Reduced inventory holding cost with optimal stock levels

CIM Production Planning Package

The **CIM Production Planning Package** integrates seamlessly with other **CIM** modules to deliver effective production planning and scheduling for accurate and timely order fulfillment. Using a BOM approach, the system converts orders for final products into a requirement schedule for every component. Users can apply this requirement schedule to establish a complete production plan for a given planning horizon.

Machine	4/12/05		5/12/05		6/12/05		7/12/05		8/12/05		9/12/05		10/12/05			
	M	A	N	M	A	N	M	A	M	A	M	A	M	A		
TC-1	1141 (1500)				2518 (2000)											
TC-2	5515 (2500)				4351 (1000)				4612 (560)							
TC-3					3839 (5500)											
TC-4	2225 (1600)								4677 (3500)							
TC-5	3322 (2500)								6318 (1000)							
BM-1					7968 (6500)											
BM-2					7763 (7200)											

Significant benefits are:

- ✓ Simplified production planning process
- ✓ Ease of complex material calculations
- ✓ Close monitoring of plan vs. actual output & waste
- ✓ Close monitoring of material inventory – when to buy/produce what in what quantity

CIM Kanban Package

CIM Kanban Package is a unique computerized application designed to supercede the manual processes of a traditional **Kanban** manufacturing environment. It allows users to gain **real-time** monitoring and communication of work progress and inventory levels between workstations.

Significant benefits are:

- ✓ Avoidance of over-production
- ✓ Elimination of Waste
- ✓ Driver for productivity improvement
- ✓ Access to real-time process information

