Cim200
manufacturing

REALITY
solutions
• Sage • IT • Cloud • Dev

Cim200 Feature List

STOCK CONTROL

Efficiently manage stock with complete visibility and streamlined processes
- Improve quality and customer satisfaction
- Ensure all stock movements are carried out productively
- Track stock items that are sold, purchased or manufactured

Feature	Description
Manufacturing	Additional settings and fields relevant to manufacturing goods with Cim200 have been incorporated into the standard Sage 200 Stock screens, avoiding the need for double entry or having to enter data in multiple places.
Quality	Utilise the Cim200 Quality Control functionality during purchase or works orders receipts, and BOM builds, to ensure that stock cannot be used until it has passed through quarantine inspection. Assign specific inspection templates to the item in quarantine and carry out the inspection process, releasing items that pass the inspection to available stock, or rejecting the items and producing purchase returns if necessary.
Stock Profile	The stock profile screen provides a complete situational overview of stock position, incorporating demands, replenishments, and stock status for a specified item. Drilldown into current sales, purchase and works orders, and interrogate all demands and replenishments from one screen. The stock projection provides a forecasted projection of your stock position into the future, enabling you to make key decisions decisively.
Rapid Stock Movements	Enter multiple stock adjustments for numerous stock items in one simple screen, whether it is an adjustment, write off, issue, or transfer.
Customer Part Numbers	Configure your own parts with customer references, and when you receive an order from a customer, enter their references directly into the sales order.
Goods in Transit	The system considers transit times when carrying out resource planning and transferring of stock between locations.
Audit Log	The Cim200 Audit Log records any change made to the static data associated with a stock record, whether it be a standard Sage 200 field or something specifically associated with Cim200, every change is captured by whom and date/time.
Stock Position Visibility	Easily see the stock position with a running total on the stock history screen, enabling you to quickly identify your stock position, either current or retrospective, without having to switch between different enquiry screens.

Feature	Description
Commercials Visibility	Further addition to the Sage 200 Stock functionality includes a commercial overview of a product, giving instant access to key information regarding sales, purchase and manufacturing output over the previous 12 months.
Supplier Price Breaks	Cim200 brings supplier price break functionality to Sage 200. Interrogate price breaks when raising a purchase order to ensure you buy materials as cost efficiently as possible
Mandatory Fields	Ensure your data is maintained accurately by defining any field on the stock record as mandatory. Users will be warned when creating or updating records if any mandatory data has not been populated.
Traceability Enquiry	Interrogate traceable items. Themulti-directional enquiry enables you to quickly see where a batch or serial number has been throughout its lifecycle.
By-Products	Utilise by-products functionality to quickly and easily process receipts for additional ancillary items created during the manufacturing process or received from suppliers automatically during the relevant receipt process.

BILL OF MATERIALS

Ensuring consistency and quality with greater control of manufactured products

- Ensure efficiency is built into manufacturing processes
- Track changes to bill of materials
- Maintain accurate stock control

Feature	Description
Kit BOMs	Efficiently assemble a kit of parts ready for despatch to a customer. Complete a BOM build, adjusting out all of the component items from stock and booking the kit item into stock during sales order allocation.
Multiple Routes	Define the different manufacturing processes on the Bill of Material, and select the most appropriate route at the point of generating your Cim200 Works Orders, which could be based on available resource capacity, sub-contractor availability, cost or lead times.
Percentage BOMs	Configure your BOM components as a percentage of the finished product.
Adhoc Reverse Build	Take a finished item out of stock and put all the components back into stock, at any time.
Base Items	Output multiple built items from the same Works Order. (Designed for scenario's where a bulk product is manufactured and then dispensed into smaller containers for sale)
Audit Log	Capture and log any changes, additions or removals on the bill of material. Provides a comprehensive history of the Sage 200 Bill of Materials, regardless of whether version control is enabled or not.
Stock Profile	Access the Stock Profile directly from Bill of Materials. The stock profile screen provides a complete situational overview of your stock position, incorporating demands, replenishments, and stock status for a specified item.
Trial Kit Raise Works Orders	Enhancing the standard Sage 200 Trial Kitting functionality, generate Cim200 Works Orders directly from the Trial Kit screen.
Component Analysis Codes	Cim200 provides 20 Analysis codes that can be defined against individual components on Bill of Materials, providing the flexibility needed to capture any information specific to your individual requirements.
Operation Analysis Codes	Along with 20 analysis codes on components, the same flexibility is available against operations. Define up to 20 analysis codes against operations and record specific information as required.
Rich Text Instructions	Highlight key information in your manufacturing instructions.

WORKS ORDERS

Control production, work in progress and capacity of resources accurately
- Track production throughout each stage of manufacturing
- Analyse actual vs estimated costs of production
- Maintain material allocations and work in progress

Feature	Description
Trial Kitting	Utilise trial kitting to ensure your component stock levels are sufficient to fulfil specific works order demand. View a list of shortages for multiple works orders and raise replenishment orders from within one screen.
Capacity Planning	The Cim200 rough-cut capacity planning functionality provides a complete overview on the load and capacity across all resources for any given period of time. Specify a resource group to interrogate, along with the start date and whether you want to view daily, weekly, or monthly demand. Move resource capacity on the fly to see what impact it has on your production loading, allowing you to plan overtime or reschedule jobs accordingly.
One to Many Works Orders	Employing the Cim200's base item functionality, when completing works orders, users will be given a list of possible outputs with a conversion to the works order quantity. Designed for businesses that deal with bulk products that are manufactured and then stocked in smaller containers, the base item functionality reduces paperwork and data entry. Taking a scenario where you manufactured 1000 litres of paint, and there is a requirement to dispense the 1000 litres into tester pots, 500ml, 1litre and 5litre pots, generally 5 works orders and 5 sets of paperwork would be needed in traditional manufacturing systems. To reduce overheads, with Cim200 Manufacturing the same can be achieved using a single works order record, with one set of paperwork.
Costing	For analysis and profitability of jobs, compare estimated costs when the works order was raised, along with the latest estimate, and the actual once the job is completed, fully broken down by material, labour, machine, setup, teardown, tooling, subcontract, additional expenses, and overheads.
Subcontract	To ensure complete control of external processes, deploy the subcontract feature to raise the required subcontract purchase orders, along with despatching the components and receiving them back in to work in progress once the subcontract process has been carried out. Subcontracting shows you any items that are currently 'out' at the supplier and the dates required, along with the quantities.
Quality	In certain industries it is inevitable that components, or even the finished goods themselves, will be scrapped due to a fault during manufacture. Cim200 allows you to scrap these items, recording the reason why, by whom, and when.
Work To List	For greater visibility across production, employ an additional list view showing every outstanding works order operation, detailing the operation start date, setup time and run time. The Work To List is live and does away with the need to run traditional work to reports that become out of date very quickly. Filter the Work To List by labour or machine resource for individual work centre views.

Feature	Description
Percentage Works Orders	Building on Cim200's percentage BOM functionality, configure BOM components as a percentage of the finished product, these percentages are converted to the relative quantity for ease of allocation and issue to works orders.
Reverse Completion	Providing flexibility around the completions of works orders, the Reverse Completion functionality allows for a works order completion to be reversed, removing the completed quantity from stock and placing component items back into WIP.
Linking	To ensure products are being manufactured to customers' requirements, works orders can be firm linked to Sales Orders preventing MRP relinking the order. The Sales Order can be viewed directly from the Works Order Links tab whether it is a firm linked order or an MRP linked order.
Memos	Collaborate across the production process with date/time and user stamped memos against works order records.
Operation Times	For some companies, default times set on operations are sufficient to cost the job, however, many need more accurate costs. Using the Cim200 operation times and costs functionality, book times for a specific employee with their own rate, using a designated machine that also has its own cost, for a specified works order. This ensures that every second booked against a job is costed accurately.
Audit Log	The audit log tracks changes made to static fields, components and operations added or removed, how the order was created or cancelled by date/time and user.
Nominal Integration	Taking advantage of Sage 200 advanced accounting functionality, Cim200 extends the Stock Control to Nominal Ledger integration to works orders, posting component issues to WIP along with operational processing costs.
Traceability	If traceability is required, it is crucial that the correct batch or serial number is allocated and issued to the job. With traceability in Cim200, easily track where an item has been used, and what batch or serial numbers were produced from a works order.
Shop Floor Documentation	To produce paperwork for Works Orders, as standard, Cim200 Works Orders comes with a pre-configured Picking List, Route Card, Job Sheet and Operation Card, as well as both "In-Progress" and "Completion" labels.To meet the specific requirements of a business the documents produced from Cim200 are fully configurable and can be tailored to suit your needs.
Jobbing	Jobbing production method can be employed to allow the of manufacture of products to meet specific requirements of customers.With Cim200, it is possible to specify the stock item that should be processed using a jobbing method, giving businesses the flexibility to produce certain items to order, rather than using a batch manufacturing process.

PLANNING

Utilising Just In Time planning to boost cashflow, minimise stock holding and meet deadlines
- Ensure demands are fulfilled from across Sage 200 & Cim200
- Track shortages and replenishments
- Optimise cashflow with rule based recommendations

Feature	Description
Demand Schedule	Provides a list of the demands within the parameters set at the time the schedule was run. It is an 'explanation' of what will be considered by MRP, detailing the order references, quantities and dates required. There is also an 'exclusion' list that shows the demand that will not be considered during the next MRP run with a reason for full visibility.
MRP	MRP reads through all the demand generated from the demand schedule and generates a list of recommendations to purchase and manufacture goods to satisfy that demand by the due dates required.
Sales Forecasts	Sales Forecasts allow demands for customers to be considered prior to them placing the order. Cim200 Planning will use the specified settings to determine whether it creates the demand from the sales forecast or the sales order.
Make to Stock	Make for stock allows you to enter your own demand on the system at the dates you request, regardless of any other demands placed within Cim200.
Rescheduling	Once the MRP process has completed its calculations, it will interrogate all existing replenishments on the system to determine if the date they are due to be received is still relevant, or if they are still needed at all. If the replenishment is still required but the due date on the demand it is needed for has changed, to allow them to be receipted just-in-time for the updated demand due date, MRP will recommend rescheduling the purchase or works orders, avoiding stock being sat on a shelf for any longer than is needed.
Automation	To save time during office hours, Cim200's Demand Schedule Refresh and MRP can be scheduled to run out of hours as and when needed.
Aggregating Demand	Configure each stock item with individual aggregation settings, with options to aggregate by a specific number of days, by calendar week or calendar month.
Firm Planning	To ensure that the Planning system does not recommend altering production plans within a specified timeframe, employ Firm Planning Periods.
Tags and Links	Via the simple yet powerful tagging system, easily track and identify what replenishments will be used to satisfy which demands. Quickly and easily convert a planning Tag to a firm link to ensure the planning system does not re-tag a replenishment that you wish to use for a specific demand.

Feature	Description
Stock Profile	Access the Stock Profile directly from MRP. The stock profile screen provides users with a complete overview of the stock position of a specified stock item, incorporating demands, replenishments, and stock status.
Safety Lead Times	To ensure you can meet your customer expectations regardless of any potential delays, define individual purchase or production safety lead times.
Jobbing	To allow the of production of products to meet customers specific requirements, jobbing production method is employed. With Cim200, it is possible to specify which stock records should be processed in this way, giving you flexibility to produce certain items to order, rather than a batch manufacturing process.

COMMERCIALS

Integrating commercial modules with manufacturing for enhanced collaboration
- Benefit from visibility of stock in all areas of the business
- Ensure optimum profitability across all quoted items
- Maintain efficiency with automation of tasks

Feature	Description
Quotations	To maintain profitability, from the Sage 200 Quotations feature, accurately create fully costed quotations for manufactured items with the option of incorporating one-off Bill of Materials for each quoted item to accommodate customer requirements. Provide customers with flexible quotes utilising multiple price breaks against items quoted. Convert quotations to sales orders and raise one-off works orders to automate processes between sales and manufacturing.
Customer Part Numbers	Streamline sales order entry, by utilising customer part numbers setup against Sage 200 stock items. Allowing one stock item to fulfil the requirements of multiple customers, cutting down the number of stock items in the system. Customise your customer facing documents to include the customer part numbers and your own stock code, giving you the flexibility to meet your customer demands, without sacrificing process efficiency.
Quality	During goods receipt processing, from a purchase order, works order, or BOM build, harness the Cim200 Quality Control functionality to validate stock through quarantine inspection before it can be used. Assign a specific inspection template to items as they are processed into quarantine, carry out the inspection process, releasing items to available stock that pass inspection or rejecting items and if necessary, producing a purchase return.
Scheduled Sales Order Lines	Extending standard Sage 200 functionality, utilise Cim200 Scheduled Order Lines, simply generate a schedule of order lines for one stock item, based on the quantity ordered and the reoccurring time requirements, such as daily, weekly, or monthly drops.
Kit BOMs	Efficiently assemble a kit of parts ready for despatch to a customer using the Cim200 Kit BOM functionality. Streamlining your order processing and data entry overhead, complete a Bill of Material build, downdating the component items from stock and booking the kit item into stock as part of the Sage 200 sales order allocation process.
Quick Text Lines	For speed and accuracy when entering repeatedly used large amounts of text, employ a library of pre-defined free text lines when entering orders.
Linked Orders	Providing visibility to the Manufacturing side of the business from sales orders processing, link, amend and view works orders linked to the sales order item.
Needed By	Quickly identify where received goods are needed, allowing you to streamline your business processes and ensure your stock gets to where it is needed as efficiently as possible.

Feature	Description
Goods Receipt Allocation	When works orders are tagged to a specific purchase order, you can automatically allocate materials to these works orders during goods receipt, saving time and improving accuracy.
Supplier Part Numbers	Maximise the potential of the Sage 200 stock item supplier information by drawing upon the supplier part numbers held against the stock record. Giving you the flexibility to raise purchase orders for supplier part numbers.
Stock Profile	Quickly access key data via the stock profile button when placing, amending, or viewing a sales order stock item line. This can be useful to identify the availability of the stock item on order, along with incoming replenishments and manufacturing progress.

GRAPHICAL SCHEDULER

Take control of your production planning.
- Utilise your resources
- Easily control your production
- Prevent resource conflicts

Feature	Description
Conflict Management	Resolve machine and labour resource conflicts in real-time. Conflicts are highlighted for user review and affected operations can be drag-and-dropped to alternative times or resources. Receive on the spot feedback as to whether the results of the user interaction will create further resource conflicts or the works order will become overdue or at risk of becoming overdue. If the changes don't work, there is the option to undo them, providing 'what if' functionality for production planners.
Resource Utilisation	Review colour-coded utilisation of resources by percentage to get an understanding of overloads for labour and machine resources, factory load imbalances and where they occur. The resource utilisation view is based on the individual calendars and resource capacity, with option for grouping similar resources able to carry out the same tasks.
Works Order Planning	Schedule individual operations from the routings of the outstanding works orders present in Cim50. The Works Order Planning view provides a complete overview of all works orders and their operations across the whole business. The system highlights late and at risk orders, as well as conflicting operations based on their: planned start dates, setup times, runtimes, delays and available capacity, ensures scheduling issues can be dealt with as soon as they are identified. Resolve issues with works orders and operations to meet planning deadlines, before passing back the changes to Cim50 which updates your works orders.
Dynamic Colour Coding	Colour coding is employed to highlight: late works orders, at-risk works orders, resource conflicts and resource overloads.
Dependency Management	To avoid operations being scheduled out of sequence, the Cim50 Scheduler uses operation dependency. This links operations from the same works order together with arrows directing from one operation to the next. If an operation is moved to a future date, any operations beyond this date will be automatically re-scheduled to later dates with any resource conflicts or affect to works order end dates highlighted immediately, alerting the production planner to take action.
Locking Works Orders and Operations	Once a production plan has been finalised, firm it up by locking works orders and individual operations to ensure no scheduling changes can be made.
Review Cim50 Works Order Details	View works order and operation details within the graphical scheduler including dates, linked customer orders, run-times, setup times, delays and routing notes.
Schedule by Labour, Machine or Both	Choose whether labour resources, machine resources or both are considered when scheduling.

Feature	Description
Resource Grouping	Ensure processes are not carried out by or moved to an incorrect resource type, by grouping labour and machine resources. These are setup from within Cim50 and are taken into account by the graphical scheduler.
Multiple Planning Calendars	Set up a single company wide calendar or individual calendars for each labour or machine resource to allow the scheduler to plan to the hours the factory and specific resources work.