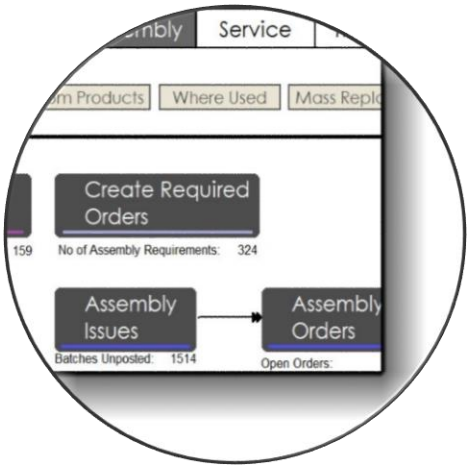
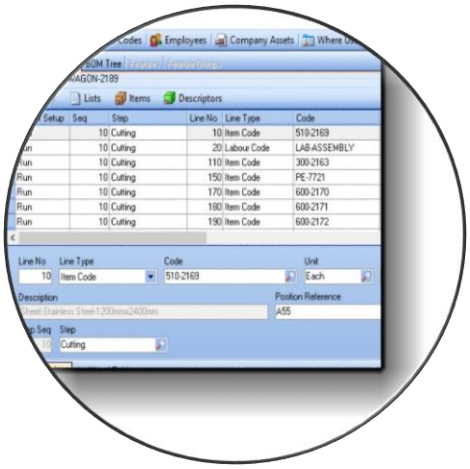
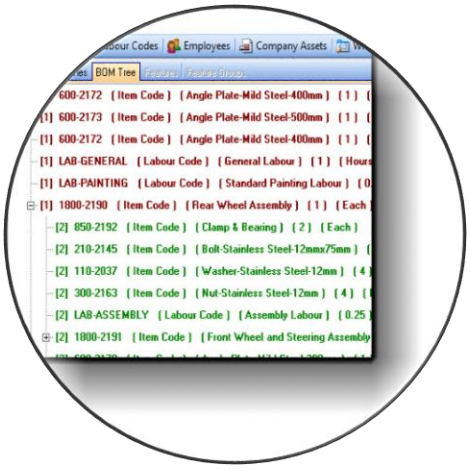
Manufacturing features & functionality

ostendo solutions
by Development-X Limited







- Ostendo Manufacturing offers businesses the opportunity of using simple or advanced manufacturing to either 'Make-To-Stock' standard products or 'Make-To-Order' custom manufactured products.
- Manufactured items maybe optionally pre-defined in a standard Bill of Materials (BOM) or custom configured on the fly for 'one off' type custom manufacture either from within a Sales/Job Quote or Order.
- Multiple forms of configuration are available to custom products, including Feature & Options, manually configured by the user or use of pre-developed scripts to semi automate the configuration, allowing the user a step by step configuration approach.
- Q & A process.
- Custom configured items may optionally have a BOM auto created for them thereby making that 'one off BOM' available again at a later point in time.
- Bill of Materials can contain unlimited levels of sub-assemblies.
- 'Where Used' Inquiry allows quick identification of any component used across all BOMs.
- Mass Replacement allows for quick and easy mass swap out of components from BOMs.
- BOM contents maybe copied to speed up setup of BOM master records.
- Multiple input methods to populate Order lines. Eg: Drag & Drop / Batch Select / predefined or dynamically populated lists based on historical sales or just single line entry.
- Manufacturing Order lines can include Inventory Items, Labour Codes, Non-Inventory Charges or Custom Configured products.
- A BOM may contain combinations of Materials / Non-Inventory Costs / Labour with Fixed & Variable Overheads.
- Version control of BOM Revisions can be maintained. Each manufacturing order created from a BOM, records the Version used.
- Multiple Manufacturing Outputs can be defined in the form of Co-Products / By-Products apart from the base Output Product being produced.
- Routing steps are available to logically construct a manufacturing sequence in a BOM.
- Setup and Run can be defined separately against a BOM, thereby allowing the scheduling of setup time being a constant and the run time being a variable based on the Qty to be produced.
- Phantom BOMs can be used in another Bill of Materials (i.e. As a Sub-Assembly) then when the Assembly Order is created Ostendo will explode out this Sub-Assembly and use its components in the 'Grandparents' Assembly Order to be created.
- Hazards can be defined within a BOM at a Routing Step level to alert staff prior to initiating the manufacturing step.
- Simple or Advanced Scheduling. A graphical Assignment Board enabling drag and drop of Manufacturing orders, allowing up to the minute actual time spent on each assignment. For more complex and detailed scheduling, full Constraint Based Scheduling is available using lead times and resource capacity and loadings.
- Full Materials Requirements Planning (MRP) capability to determine component requirements at all levels of a BOM to satisfy current and future demand. This also allows for creation of Purchase and Manufacturing orders if replenishment is required.
- 'Back Flushing' (or Auto Issuing of components) is available for products where standardised issue quantities are required, instead of recording actual quantities consumed.
- Standard Costing / Average Costing or Actual Costing can be utilised.
- Cost Rollups are used to rollup component costs into the Finished Goods cost.

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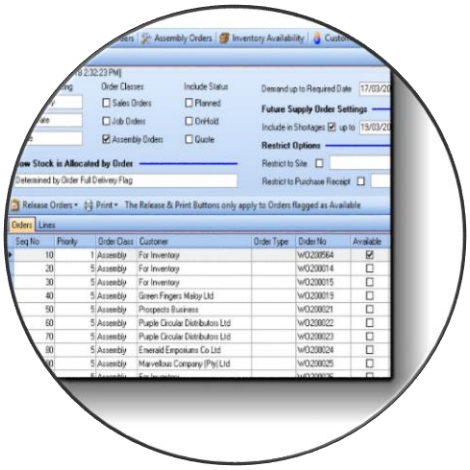

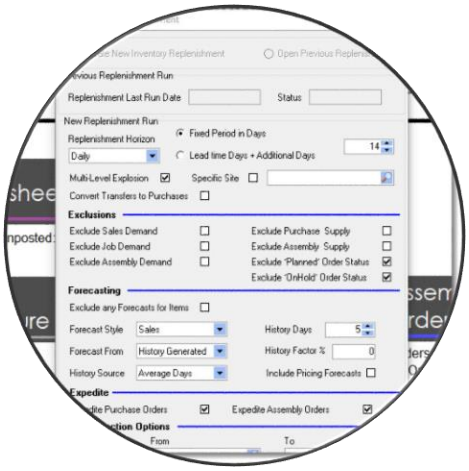

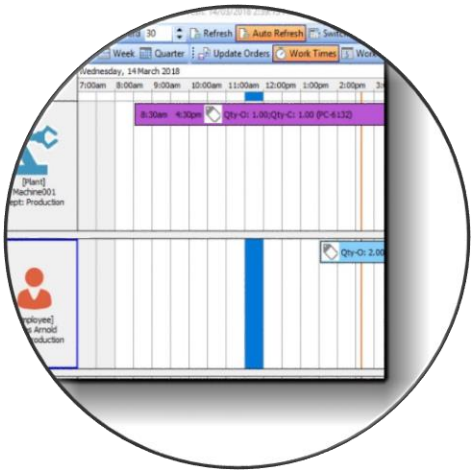

- User Defined Tracking Codes either at an Order level or at a Routing Step level.
- Optional standard Mobility (Android & IOS) functions allowing for:
  - Issuing of Materials
  - Timesheet entry for individuals or Teams
  - Receipting of Finished Product
  - Scanning Capability
  - Real Time Inquiries
- Configurable Mobility functions for Compliance, QA or any data capture relating to product or manufacturing orders allowing for any of the following:
  - Checklists
  - Photos
  - Audio Notes
  - Signatures
  - Typed Notes
  - Order Status Update
  - Updating Batch Status and QA Results
  - Updating Batch Properties
- Ability to reserve stock for specific orders
- Shop floor data collection for Time Capture initiated by Mobility / barcode or keyboard or touch screen.
- Timesheet Interpretation allows you to run a routine over a Timesheet batch which will re-interpret time that has entered by the user and apply Break Time and Overtime rules thereby enhancing the ability to cost orders accurately without the employee having to decide Standard Time Vs Overtime etc...
- Shop floor control of Manufacturing Order routing status either via Mobility / barcode / keyboard or touch screen.
- Real time Work-In-Progress (WIP)
- Full traceability to handle multiple forms i.e. Serial No, Batch, Expiry, Grade, Revision, Size, Colour both for inputs and outputs.
- Ability to link QA or other test results to Manufacturing order or batch Number via Mobility.
- Any form of electronic document / image can be linked to a BOM or Manufacturing order or component within it.
- Unlimited Date / Time stamped, and categorised History Notes logged against the Manufacturing Order.