

# Engineering

## *Plan and document your product and services for flexible manufacturing*

Engineering is the architectural cornerstone of glovia G2. The solution's flexible design lets you define and document your products and services so that you can respond quickly to product and service changes demanded by the marketplace.


### *Improved Control of Your Resources*

- *Are you sure that the products you ship conform to the latest design configuration?*
- *Can you match a particular product configuration to the proper production process?*
- *How do you know the latest revision?*

Whether you run a job shop or a high-volume repetitive operation, the success of your company depends on answers to questions such as these. You need information on incoming and shipping orders, for product and service design and costing, and for a long list of other daily production functions. glovia G2 Engineering is designed to answer all your questions and provide you with the detailed control you need to access, review and maintain the latest information.

### *Engineering Workbench*

A single point of entry via Engineering Workbench provides the means for accessing and maintaining engineering data. This provides increased visibility and integration, which allows Engineering to be more productive and efficient when designing new products and services.



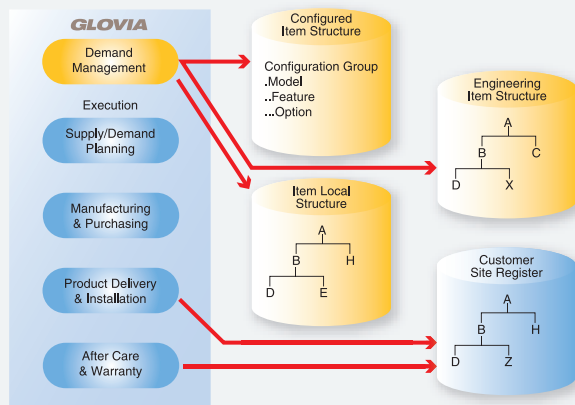
## Engineering

### *Engineering Configurator*

glovia G2 makes it easy for you to configure products, bills of material (BOMs), and routings - in simulated or real-time mode.

### *Flexibility for Increased Profits and Competitiveness*

Through flexible product configuration control, you can quickly and accurately calculate the cost to manufacture a product. This helps you stay ahead of the competition by reducing the risk of costly, obsolete inventory and ensuring that your pricing strategy yields competitive profit margins.



### Supporting Operational and Planning Needs

Engineering is designed to render a powerful advantage for the operation and planning of business units. Multiple product structures for the same manufactured item may contain specific information required for each of your operating units. For example, an engineering product structure can be maintained for a product redesign along with its associated cost rates and factory capacities, without affecting the product structure used in today's production operations.

Engineering supports planning resources for engineered parts, services, and sales items. Engineering provides a complete set of planning tools designed for companies who not only manufacture and sell products, but also offer sales service and product support.

### Integrated Resource Management

Engineering can maintain up to seven types of BOMs with matched routings to be used in product costing, engineering, production, planning and simulation analysis. Primary and alternate configurations are supported, along with the latest change effectivity for components and operations. These structures can be applied to many types of manufacturers. Easy retrieval of virtually unlimited text information allows you to access your customer specifications, process instructions, and special handling instructions.

### Product and Service Catalog

- Revision level control by item
- Extensive text storage options
- Variable enterprise level policies
- Product classifications by group technology and commodity code
- Military specifications
- Uniform Product Code
- European Article Number format
- Foreign language descriptions

### Item Planning Data

- Inventory policies and status
- Order and delivery policies
- Planning fences
- ABC classifications
- Fixed and variable lead times
- Engineering change information
- Unit-of-measure conversions
- Standard, average and actual costing
- Drawing references
- Serial and lot control

### Bills, Costs and Routing Types

- Engineering
- Current
- Standard
- Previous standard
- Future standard
- Future future standard

### Bills of Material

- Configuration control by operating unit and locations
- Alternate BOMs
- Lead time offset — component to parent
- Decimal quantities, including negative values
- Components linking to routing operations
- Multiple occurrences of components on a bill
- Shrink factors
- Effectivity by date range
- "Balloon number" reference
- Reference designators
- Alternate components
- Mass component change

### Routings

- Configurations by operating units and location
- Standard Operation Routings
- Alternate routing configurations
- Alternate operations
- Machine and labor time by cost center
- Internal or outside processing support
- Detailed operations instructions
- Operation effectivity by date range
- Operations linked to bill of material components

### Cost Center Information

- Machine and labor rates
- Fixed and variable overhead rates
- Rate effectivity by date range

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