



ENGINEERING AND PRODUCT DATA MANAGEMENT



Qmuzik ERP facilitates and streamlines the engineering database through the total life cycle control of parts and products. The system incorporates item identification, document management, and change control into a highly scalable solution that meets customer specific needs.

The ERP system provides comprehensive data to define the item master, bill of materials, and the related manufacturing-, and/or maintenance and repair operations. Extensive provision is made for standardization and for application sensitive part substitution rules and preferences.

The seamless interface of engineering data with the rest of the manufacturing enterprise allows for a single source of information that is visible on all levels of the downstream processes. This accelerates communication, analysis, approval and implementation of engineering changes and releases.

The real-time navigation tools provide critical path lead-time analysis and cater for past, present and future views of the product base line.



Qmuzik Engineering and Product Data Management is the bridge that connects design engineering to the rest of the manufacturing enterprise with the use of the following features:

Engineering Release Management - a highly flexible engineering release and change control process that accelerates communication, approval and distribution of engineering releases and changes.

Single data source - Manufacturing, Purchasing, Logistical support and Process design data are mapped into the single Engineering baseline.

Online, Real-time Visibility - full integration with downstream ERP processes provides timely, online visibility of up-to-date engineering data.

Serial Number tracking, Installed Positions and Audit trail - multiple, excellent serial and lot number control options are provided

Document Management - A comprehensive document management system is provided which allows for identification of control of all documents in the organization.

Single integrated routing - a Single integrated routing definition for both "manufacturing" and "maintenance" scenarios are provided and the mapping of these operations into the bill of material items embeds the manufacturing process into the engineering design.

Project Management - the Engineering model fully interfaces with the system's Project Management model to plan, budget, and control and authorize expenses for engineering development and to enforce time and cost constraints for activities in the work break down structure (WBS).

Customer Contract specific baselines - As an alternative to implementing engineering changes effective from specified dates, functionality is provided to implement engineering changes from a specified configuration end-item serial number.



