



**Genius**  
solutions™



# Genius Manufacturing

Manufacturing Software for Sage



***“Without a doubt, this is where the true value of Genius Manufacturing lies, in its ability to accommodate our changing business needs and conditions through both the lean years and growth periods, without missing a step.”***  
**(Marketing Director, Motrec )**

*Our customer base covers a diverse range of SMB custom, MTO, ETO and discrete manufacturers with solutions for:*

*Industrial Machinery*

*Transportation & specialty vehicles*

*Electrical equipment*

*Automation and control*

*Electronics and high tech*

*Automotive*

*Aerospace and defense*

*Fabricated Metal Products*

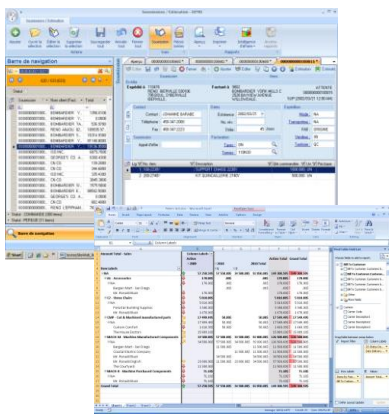
Genius Manufacturing NG is designed for the unique requirements of small to midsize make-to-order, engineer-to-order, custom and discrete manufacturers. With our deep roots in process improvement and workflow optimization woven throughout, Genius Manufacturing software maximizes out-of-the-box value and return. Genius integrates with Sage Accpac and Simply Accounting by Sage. Genius is a robust management system capable of handling a diverse range and scale of manufacturing environments.

**Works with Accpac ERP and Simply Accounting** -- Genius Manufacturing NG extends the functionality of the Sage financial packages with manufacturing-specific modules and processes. This allows for a comprehensive, cost effective and user friendly manufacturing system while maintaining an extensible and comprehensive platform.

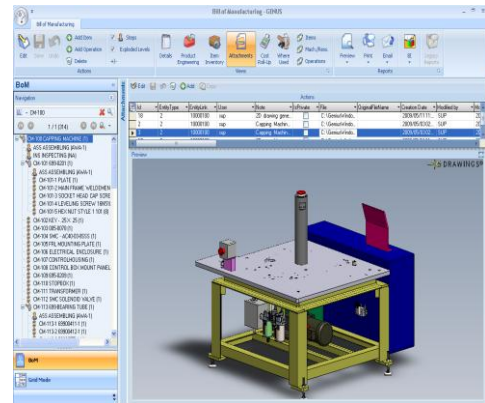
**Manufacturing End to End Integration** -- Genius Manufacturing connects your engineering, manufacturing, inventory, procurement and sales information, enabling business transaction processing in real-time and accurate and timely integration with the systems that drive your business. This integrated view of production enables managers from across the enterprise; e.g. purchasing, shop floor, sales and inventory control, to launch initiatives . . . to perform updates . . . to communicate activity across the enterprise.

**Estimating and Quoting** -- You have real-time information on inventory and access to all the documents related to the project or job: 3D drawings, PDF files, sketches etc. In an ETO, MTO or custom environment, you can create new products with the product configurator, the estimating module or the Excel Estimating module. Follow-up and track quotes. Measure your success rate by territory, customer group, product family, and track won/lost.

**Excel Estimating** -- Manufacturers have diverse processes for estimating. Microsoft Excel is widely used. These spreadsheets can contain a knowledge base, background calculations and formulas developed and tweaked over time. With our Excel Estimating interface you can leverage and maintain your Excel tools. When completed in Excel, the information flows into Genius with costs, estimated details and creates the Bill of Manufacturing for the finished product. With this methodology you can maintain the flexibility of Excel yet flow through your ERP system such that all the data flows through the rest of your business system.

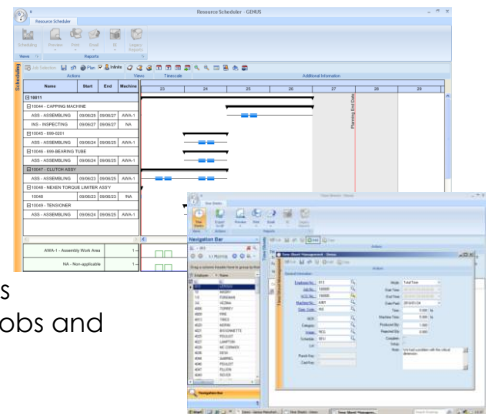


**Enhanced visual BOM** -- This is the heart of the Genius integrated manufacturing system. Bills of Manufacturing will link estimating, planning, procurement, production, all the elements that flow through Genius Manufacturing. Our quick and simple interface allows you to build your products using a tool set purpose-built for efficiencies. These include the drag and drop capabilities. Through the visual tree everyone involved will understand, quickly and accurately, the makeup of your products, regardless of complexity. Also, as needed BOMs can be changed on-the-fly. Create multi-level BOMs to as many levels as needed. Drill-down views give rapid access to the details at each node. This module becomes the reference point for your products.



**Document Management** -- Throughout their operations companies require information and documents such as drawings and models, specifications, compliance and inspection documents. The on-line documents management enables users to attach electronic documents within the system and add reference items to BOMs. Keep the documents where they are needed. Attach all document formats across the application, whether it is an estimate, purchase order, Bill of Manufacturing, or sales order. Centralize them all with Genius Manufacturing. Also, necessary documents can be printed as part of the work order.

**Production Planning:** Genius delivers a broad array of capabilities and provides the flexibility demanded in custom manufacturing environments. For planning Genius offers easy-to-use yet comprehensive tools. This includes real-time feedback from the production floor with data collection. With real time information you can make the decisions and adjustments needed to keep production in line and on schedule. Your instructions and information are clearly tied to each job and work order. Whether it's manufacturing jobs, R & D or maintenance, you can carry out the jobs and follow the established plan.



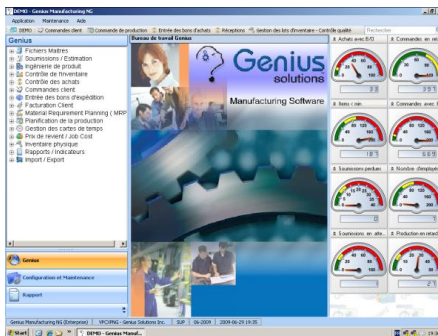
**Procurement:** Build quotations, purchase for requirements; or let Genius's MRP and forecasting determine purchases of components or raw materials. These will tie into jobs launched and inventory supplier settings. You have lead times and need timely notice for delivery of purchased raw materials and inventory components. Starting with BOMs, Genius can look out over your planning horizon to identify potential problems and bottlenecks.

**Inventory Control:** Inventory management is crucial in controlling costs and maintaining optimum levels for production. Our advanced tools ensure that you have the right parts, at the right time and in required quantities. Avoid problems related to fluctuating inventory demands. Ensure traceability of raw materials, components as well as finished products.

**Job and Time Management** – Launch and execute multi-level jobs and work orders from BOMs or manage dynamically with change orders or staggered releases. Track time on jobs and projects for status and costing using timesheet functions on bar code data collection stations. Get detailed updates on all the activities and resources consumed.

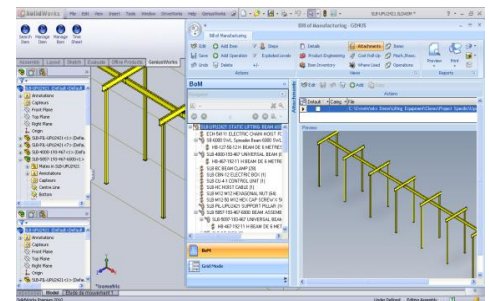
**GTA, Genius Task Automator** – Automate tasks and set up alerts so that you can maintain control over your most important activities and facilitate communications across the enterprise. For example, head off problems with inventory, late PO receipts, late jobs and employee load, and streamline service operations.

**Business Intelligence and Analytics** – Using the *Microsoft SQL Analysis Services* Genius delivers Business intelligence out of the box delivering critical analytics and metrics that give visibility to the heartbeat of your business. Never before has it been this easy and inclusive to drill through and turn your data into information; all while using familiar tools such as Microsoft Excel as a tool connected directly to your database.



**Dashboards:** Managers and owners need timely information about the business. Having the right information at the right time allows you to make good decisions. Our dashboards and alerts provide the dynamic tools to deliver updated information. Define your tolerances, limits or parameters and the system will flag situations that could create headaches. With the heads-up you can take corrective measures.

**GeniusWorks™ - Manufacturing Software for SolidWorks® 3D CAD.** With SolidWorks and GeniusWorks, engineering and production can share and control data to save time, reduce data entry errors, cut design and development costs, and minimize production errors. Working right inside SolidWorks, GeniusWorks bridges the gap from design and modeling to day-to-day operations. This gives you the tool set for an integrated end-to-end solution from engineering and design on through production/ERP to Accpac or Simply Accounting financials.



**“We are producing goods faster than ever before and have boosted production by at least 50%.”**  
**(Co-owner, Elka Suspension Inc.)**

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