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DO ANY OF THESE EVENTS KEEP YOU UP AT NIGHT?

- Timely quotations
- Schedule for shop activities
- Low material yields = More materials purchased
- Lengthy machine set-ups
- Rework of designs
- Unmet efficiency targets
- Exceeded projected costs/budgets
- Insufficient data – void of one business system
- Missed delivery deadlines
- Lack of accurate job costs
- Struggle to quickly provide executives with up-to-date information

We can help. Call us at 763-420-6600 and discover how our customer's sleep better with manufacturing automation solutions Applied Engineering offers. Been there - done that!

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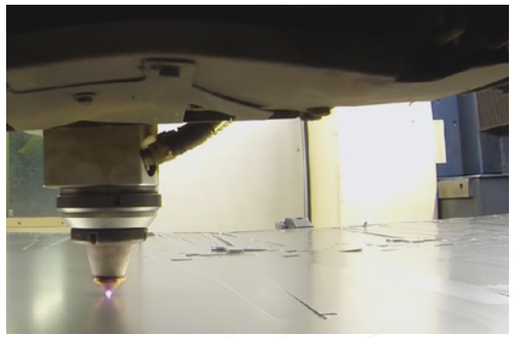
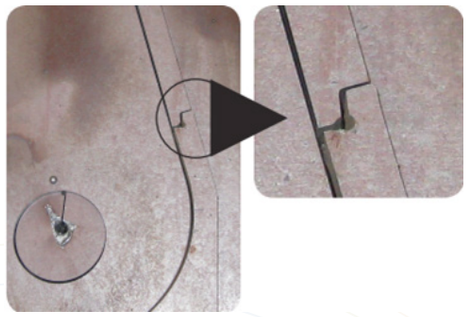
Streamline Your Operations
Grow Your Business

New advanced technology and re-tooling of your current processes can create faster and more productive operations, leading to better profits and less headaches.

Reduce Machine Movements
Machine Motion Optimization Bonus
Longer Life of Consumables!

Cut faster with SigmaNEST's Smart NC capabilities. Utilizing bridge cutting, chain cutting and iPierce functionality, you can eliminate pierces. This helps to increase the life of your consumables. Each part is cut completely while optimizing the lead-in placement for the next part automatically. iPierce creates an eyelet into the skeleton as it cuts the part, then places the next lead-in in the eyelet area, eliminating the need for a pierce.





RUN FACTORY EQUIPMENT FASTER

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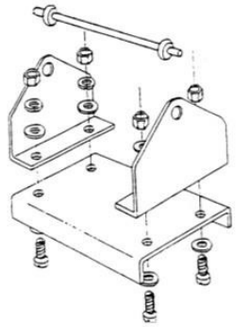
Improve Product Cost Estimates And Reduce Redundant Inputs

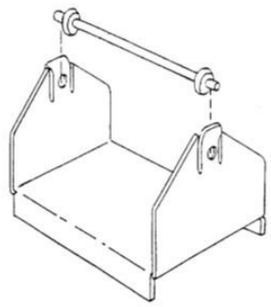
Applied's MFG solution gives you the power to quickly create quotes and orders using existing technologies available within 3D CAD, existing MFG software and your MRP/ERP system.

- Automate pricing and margins calculations
- Parametric bill of materials, labor costs, tolerance and routing
- Design more effectively with integrated CAD/MFG processes

DESIGN FOR MANUFACTURING



- 24 Parts
- 8 Different Parts
- Multiple Mfg. & Assy Processes Necessary

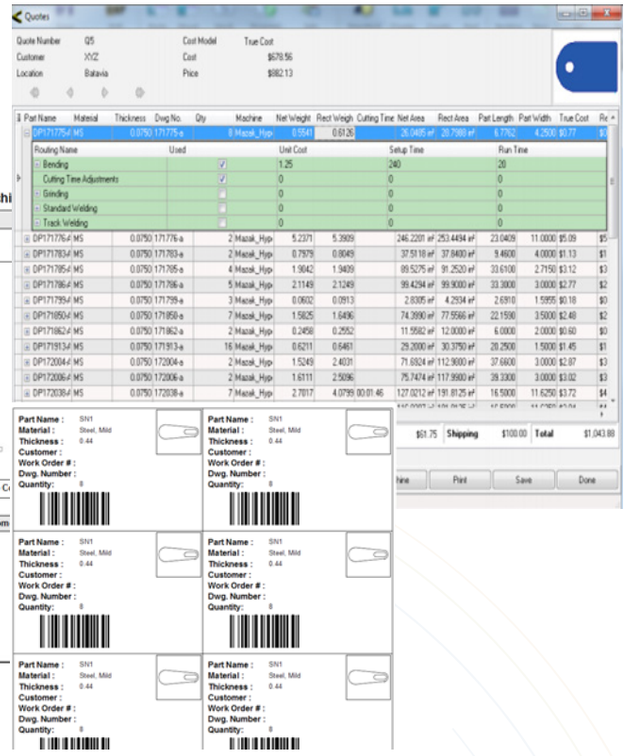


- 2 Parts
- 2 Manufacturing Processes
- 1 Assembly Step

When CAD and Manufacturing software are integrated, you can create timely quotes, reliable cost estimates of tool and assembly fixtures. Applied works with a variety of technologies to help enable this environment. You can read the 3D data automatically or manually create the geometry parameters.

ACCURATE AND TIMELY PRODUCTION REPORTS

Imagine receiving information directly from the shop floor as you need it. Real time reports provide up-to-date information on your production flow, and the overall efficiency of your machines. Manufacturing integration allows access to engineering information in real-time. Plan and coordinate your operations based on actual facts.



PRODUCE DETAILED REPORTS FOR DESIGN, MFG & ASSEMBLY

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Increase Material Yields By A Minimum Of 5% What $$ Amount Will That Equate To For Your Business?

SigmaNEST allows a company to load all work orders for a given time period, view all stock available, from remnants to full sheets, and then run an automated nesting cycle to come up with the best utilization. This could be a mix of parts by due date and thickness, and a mix of sheet stock plus remnants ensuring the quickest, most efficient and lowest cost programs.

The nesting engine determines the best layout and will analyze your inventory to determine the best sheet(s) to use. This single integrated solution results in maximum material usage and huge dollar savings.

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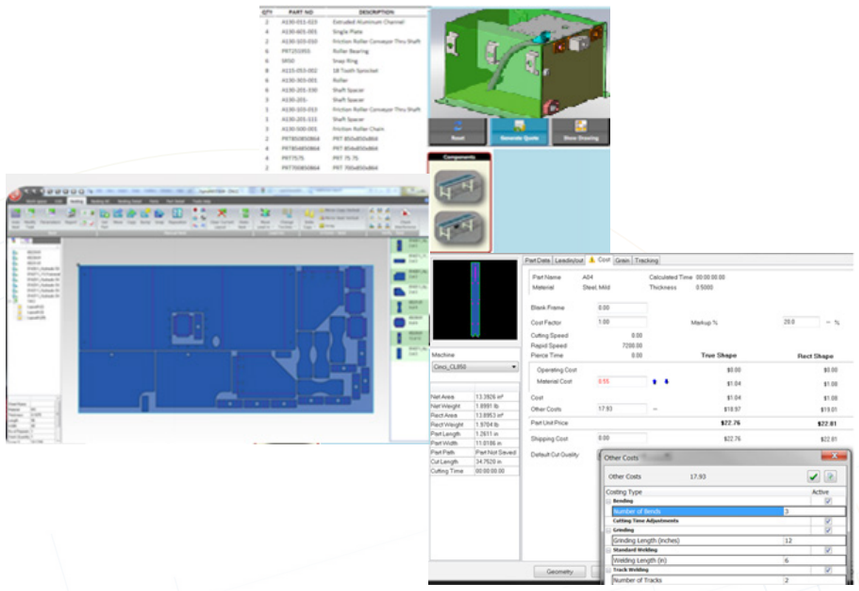
Accurate Costs For Overall Product Production

- Provide direct integration with the 3D CAD Model.
- Import individual parts or whole Assemblies to be profile cut, routed, or punched.
- Integrate seamlessly with the industries current 3D CAD programs; such as Autodesk Inventory, SolidWorks, SolidEdge, UG, CATIA, and Pro/ENGINEER.
- Take advantage of SolidCAD's intelligence by internally using its com ponents to ensure the most accurate and efficient transfer of data possible.
- Utilize all relevant CAD property information; such as material type, thickness, part quantity, finish, tolerances, etc.



ACCESS TO DESIGN/MFG COST INFORMATION

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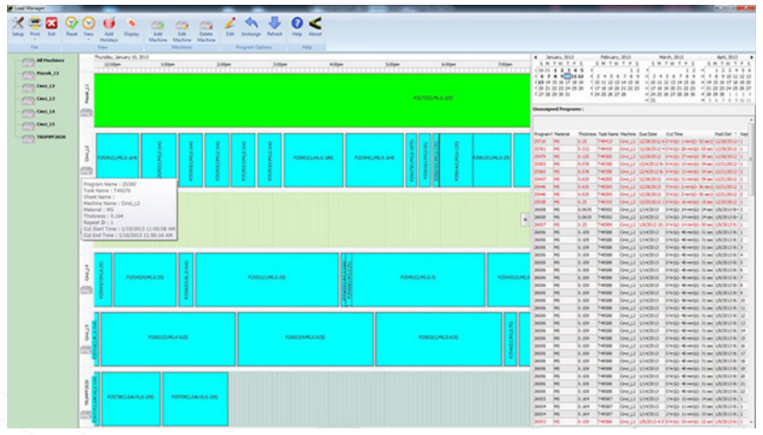
OPERATIONS PLANNING AND SCHEDULING

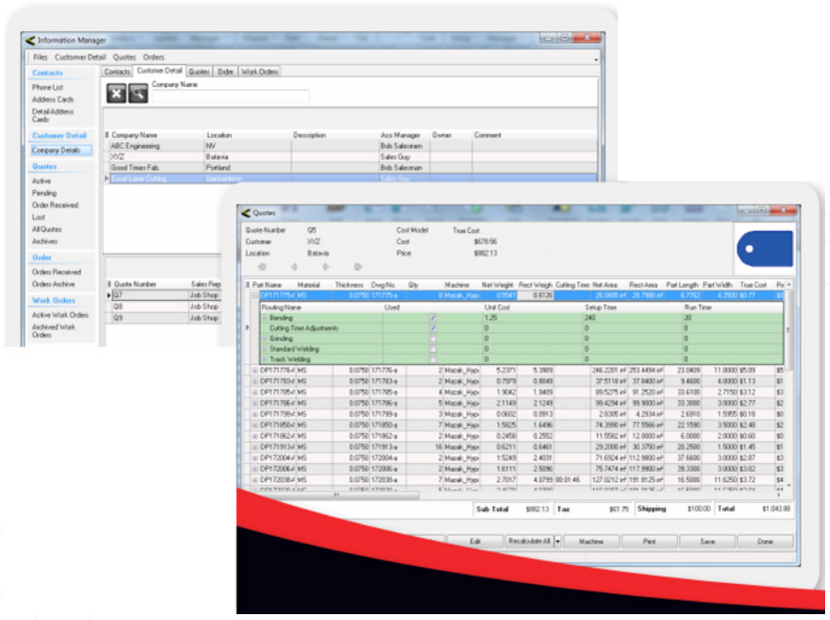
An application designed for machine scheduling and load management, providing:

- Interactive load rebalancing
- Job reassignment
- Dynamic job progress tracking
- Graphical representation of machines load



The Sigmanest Quote Module Calculates For Fixed And Variable Costs Providing Accurate Quotes Quickly.

- Track information on pending orders
- Immediate access to history and details of quotes
- Offers flexibility with mixed part quotes instead of only single-part quotes
- Provides the option to charge for only labor and cutting costs if customer supplies material
- Fully customizable report templates
- Offer customer discounts when parts ordered in bulk



GET CUSTOMER QUOTES OUT IN LESS TIME

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Increase Your Productivity

- Save Money on Materials
- Improve Machine Movements
- Increase Productivity
- Management - Integrate Systems

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