

ERP/MRP/MES Integration

Connecting ProNest to third party software

Today's integrated work environment

Managers today are turning to software integration as a way to improve efficiency and increase productivity across the enterprise.

ProNest[®], Hypertherm Associates' advanced CAD/CAM nesting software for automated cutting, can be integrated with virtually any third party software including ERP (Enterprise Resource Planning), MRP (Manufacturing Resource Planning), and MES (Manufacturing Execution Systems).

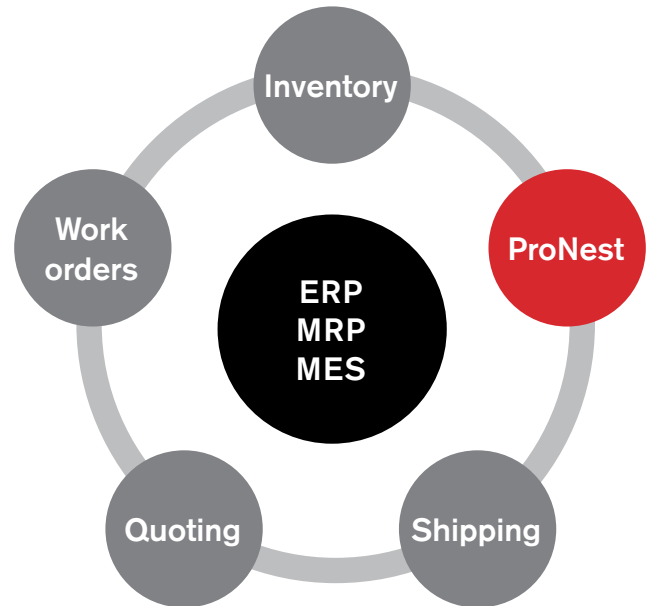
With your nesting work connected to all other areas of your business, you'll be able to eliminate manual and redundant tasks that exist in the workflow. Jobs will be managed, tracked, and combined more easily. And inventory will be better managed for faster turnover. All of which adds to your profitability.

Why ProNest?

If you have an ERP/MRP/MES solution today, consider that advanced nesting software provides superior nesting performance and supports more advanced cutting techniques than standard nesting programs.

ProNest provides mechanized cutting users with a single solution for plasma, laser, waterjet, and oxyfuel. It is specifically designed to help fabricators and manufacturers increase material savings, boost productivity, lower operating costs, and improve part quality.

ProNest contains more built in process expertise than any other software, and allows you to leverage breakthrough cutting technologies like True Hole[®], Rapid Part[™], Plate Saver[™], and True Bevel[™].



Why ERP/MRP/MES?

If you have ProNest today, consider a third party ERP/MRP/MES solution that can extend efficiencies more broadly across the organization than ProNest alone.

ERP products offer a broad range of solutions covering everything from manufacturing, to finance, to human resources, and more. MRP products are more specific to the needs of manufacturers or fabricators, and cover areas like quoting, inventory, work orders, and shipping. MES products focus on monitoring and controlling production processes on the shop floor. MES captures data from various sources, including machines, sensors, and operators, providing accurate and real-time information about production activities.

How to integrate with ProNest

There are several optional modules available in ProNest® that are used to enable and support ERP/MRP/MES integration:

Module	Description	Usage requirements
Data Sync	Links ProNest to ERP/MRP/MES software, providing the communication framework needed to exchange job information (parts and plates) in real time. Inside the ProNest part list and plate list, users may work with the data supplied from ERP/MRP/MES, and then may return updated part and plate information to ERP/MRP/MES. Data Sync provides plug-and-play integration and setup can be completed in as little as 15 minutes.*	Required for most integrations.
Tekla® PowerFab® or STRUMIS® Connectors	Similar to Data Sync, the Tekla PowerFab or STRUMIS Connectors link your steel fabrication management software directly to ProNest for seamless data exchange. But even better, these dedicated integrations utilize the software platform's API for improved performance.	Plate Inventory is required for Tekla PowerFab. Automatic Nesting is required for STRUMIS.
Work Order Processing	Allows for the exchange of all work order related information (in addition to parts and plates). All work order information may then be viewed and managed inside of ProNest, for the most efficient nesting. The ProNest Work Order Processing interface allows for sorting, grouping, combining, and tracking of all work order data, including change orders.	Recommended. Use as your primary work order processing solution, or to enhance existing ERP/MRP/MES functionality.
Plate Inventory	Maintains a database in ProNest to store, track, and utilize all of the plate information that has been imported from ERP/MRP/MES. After job completion, remnants are stored for future use and all plate usage data is reported back to ERP/MRP/MES.	Recommended. Use as your primary plate inventory solution, or to enhance existing ERP/MRP/MES functionality.

*Some integrations may take longer, or require custom development work.

Which ERP/MRP/MES programs work with ProNest?

ProNest is designed to work with virtually any ERP/MRP/MES program. This flexibility allows you to choose the solution that's right for you – whether it's best-in-class, budget friendly, or industry specific.

Feel free to contact us if you do not see your ERP/MRP/MES program listed here.

Visit our website www.hypertherm.com/CAM or contact your trusted partner to request a free production trial.

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