



Introducing Hypertherm ProNest 2012

ProNest nesting software provides mechanized cutting users an efficient and intuitive solution for advanced multi-process profiling operations. ProNest seamlessly integrates with your business and is fully configurable to meet your needs. ProNest is also backed by the high quality technical support that you demand.

Built-in process expertise

ProNest contains the industry's most advanced process expertise. Our development team has incorporated decades of proven cutting experience to deliver nesting software with the most powerful process settings and parameters. That expertise, including data from manufacturer specifications and field testing, is applied to your specific cut process and machine, from day one. ProNest also plays an important role in Hypertherm's advanced Integrated Cutting Solutions, including support for True Hole™ and Rapid Part™ technologies.

- Better productivity
- Improved part quality
- Increased cost savings

Ease of use

Users agree that ProNest is incredibly easy to learn and use. This is due to the careful design of our graphical user interface. You will find a straightforward user platform, thoughtful screen layout, and intuitive navigation.

- Faster learning curve
- More efficient use
- Fewer errors

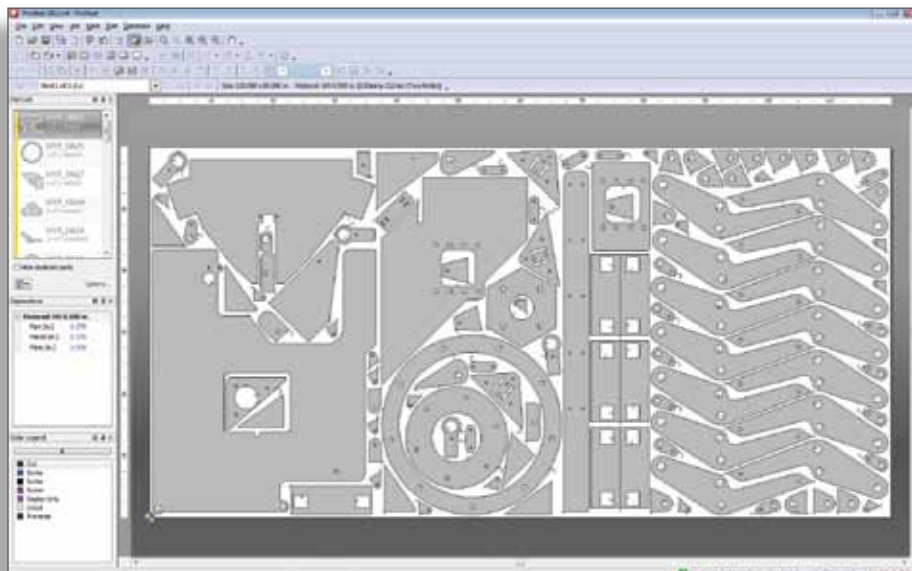
Processes supported

- High Density / Conventional Plasma
- Fiber / CO₂ Laser
- Oxyfuel
- Waterjet
- Punch/Plasma
- Punch/Laser

Technical support

ProNest is backed by the most dedicated and knowledgeable technical support team in the business. Our team of specialists has many years of industry experience with nesting software and CAM applications, offering a level of expertise and support that is second to none. Through our Software Subscription program, customers have access to one-on-one training sessions and unlimited technical support. Software updates and new version upgrades are also included.

- Maximum machine uptime
- Optimal results from your software



Visit our website www.hyperthermCAM.com or contact your trusted partner to request a free production trial of ProNest 2012 and experience **productivity made easy**, for yourself.

Standard features highlights

Part creation and development

- Integrated 2D CAD program to create and edit CAD files
- Variable Shape Parts feature to develop common parts from templates

CAD/CAM import and conversion

- Import CAD and CNC files (many industry-standard file formats)
- Import Bill of Materials properties from CAD files
- Automatic CAD file correction and error notification
- Automatic spline / ellipse smoothing and reduction
- Separate multiple parts from a single CAD file
- Automatic mapping of CAD layers to processes (cut, mark, etc.)

Interactive manual nesting

- Group parts into clusters for nesting
- Drag, drop and bump parts on the nest
- Duplicate, move, scale, mirror, rotate, or array parts
- Prohibit / permit nesting inside of a part
- Multi-sheet and multi-head nesting
- Part interference detection
- Edit lead-in / out position and properties within the nest
- Automatically update nest with part revisions
- Grain constraint, automatic tabbing / micro-joints, edge pierce technology
- Material database (with grade and gauge), plate list and part library
- Manual and automatic plate cropping
- Safe zones for plate clamping applications
- Automatic and manual nest sequencing
- Control cut direction and cut sequencing on part-by-part basis
- Animated cutting sequence simulation

Built-in process parameters

- Material type, thickness, grade and class-based process parameters
- Material type and thickness based lead-in/out parameters
- Automatic and interactive separations for part, plate, and pierce spacing

Hypertherm®

Cut with confidence®

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www.westermans.com welding@westermans.com

Reporting

- Customizable management and shop reports
- Export reports directly to PDF, Excel spreadsheet (*.xls), or (*.csv)

Costing







- Detailed user-defined machine and labor production costing
- Automatic calculation of part production costs and part/nest utilization

Output











- Flexible post-processor with standard NC output
- Automatic kerf / pre-kerf compensation
- DXF output

Optional modules































ProNest's modular structure means you only purchase the tools you need.

-  Plasma
  Oxyfuel
  Laser
-  Waterjet
  Punch/Plasma
  Punch/Laser











Nesting

Automatic nesting						
Nesting system optimization						























Productivity

Common line cutting						
Advanced common line cutting						
Chain cutting						
Bridge cutting						
Collision avoidance						
Variable multi-head cutting						
Skeleton cut-up						
PIPE parametric fittings						
Work order processing						








Material optimization

Plate inventory						
Custom remnants						

Software interfaces

SolidWorks® software interface						
Inventor® software interface						
Creo elements pro (Pro/E)® software interface						
FabTrol® MRP software interface						
SmartMarine® 3D software interface						

Machine interfaces

Reposition machine interface						
Contour bevel machine interface						
Rotary pipe / tube machine interface						
Drill machine interface						
Plate machine interface						