TurboNest®
Nesting software | 2012

Hypertherm®

Introducing Hypertherm TurboNest 2012

TurboNest nesting software provides mechanized cutting users with an efficient and intuitive solution for profiling operations. TurboNest is a powerful and full-featured intermediate level nesting software. It's configurable to meet your business needs, and it's backed by the high quality technical support that you demand.

Built-in process expertise

TurboNest contains best in class expertise for conventional plasma and oxyfuel processes. Our development team has incorporated decades of proven cutting experience to deliver nesting software that incorporates many of the same settings and parameters found in ProNest,® our industry leading, advanced solution. That expertise, including data from manufacturer specifications and field testing, is applied to your specific cut process and machine, from day one. TurboNest also plays a role in Hypertherm's Integrated Cutting Solutions, including optimized outcomes with mechanized applications of Hypertherm Powermax® plasma systems.

- Better productivity
- Improved part quality
- Increased cost savings

Ease of use

Users agree that TurboNest 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

- ▨ Conventional Plasma
- ◉ Oxyfuel

Technical support

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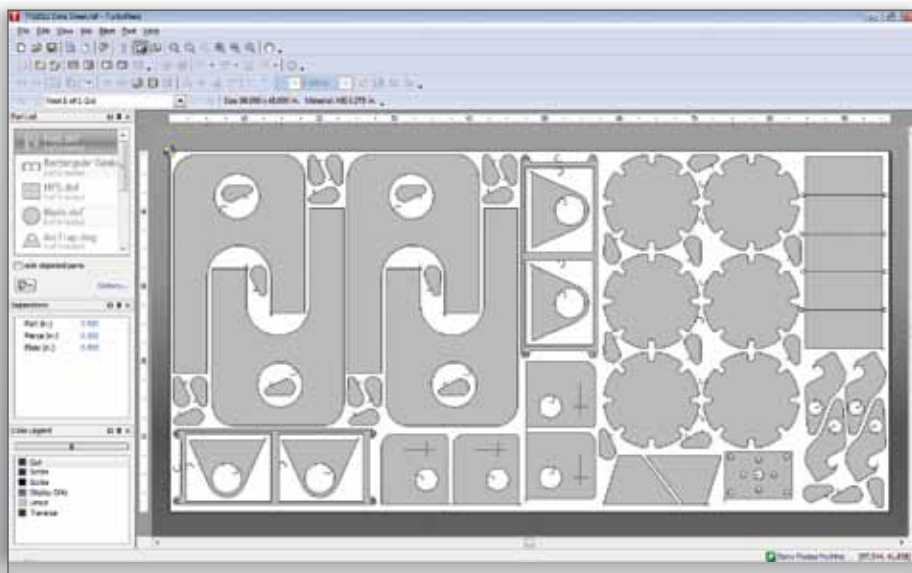
Visit our website **www.hyperthermCAM.com** or contact your trusted partner to request a free production trial of TurboNest 2012 and experience **productivity made easy**, for yourself.

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)
- 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
- Grain constraint and edge pierce technology
- Material database (with grade and gauge)
- 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

Reporting

- Management and shop reports
- Export reports directly to PDF, Excel spreadsheet (*.xls), CSV (*.csv), or Web page (*.html)

Costing

- 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

TurboNest's modular structure means you only purchase the tools you need

▨ Plasma   🔥 Oxyfuel

Nesting

	Plasma	Oxyfuel
Automatic nesting	▨	🔥

Productivity

	Plasma	Oxyfuel
Commom line cutting	▨	🔥
Advanced common line cutting	▨	
Chain cutting	▨	🔥
Bridge cutting	▨	🔥
PIPE parametric fittings	▨	

Material optimization

	Plasma	Oxyfuel
Custom remnants	▨	🔥

Hypertherm®

Cut with confidence®