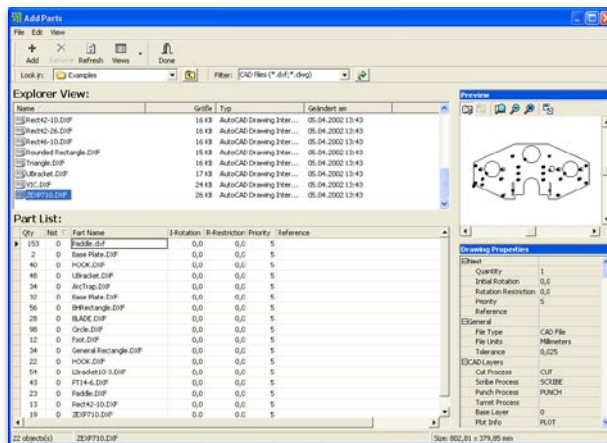
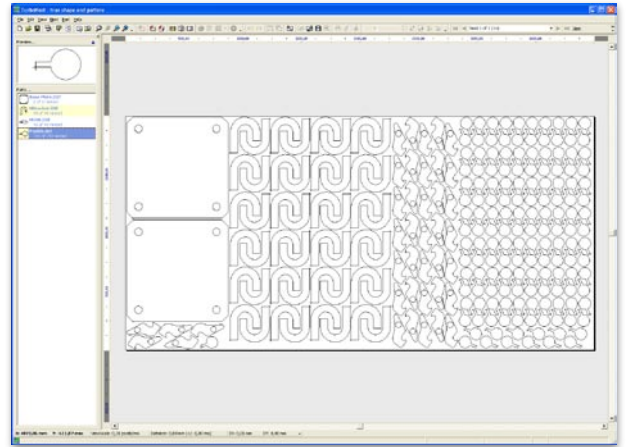


TurboNest[®] NESTING SOFTWARE

SOFTWARE FOR SHEET AND PLATE PROCESSING

POWER MADE SIMPLE

TurboNest nesting software has been specifically designed to meet the most common requirements of both the **Conventional Plasma and Oxyfuel** profile cutting applications. TurboNest is the industry's easiest-to-learn and easiest-to-use nesting program. Use it as a single programming solution for all of your company's conventional plasma and gas cutting applications and you will **save time, save money and simplify your manufacturing operation**. You can also benefit from TurboNest's modular product structure. Pick the package and price that is right for your business now; then add additional modules at any time in the future, when you need them.



INCREASE PROFITS

TurboNest **provides the capability to automate** much of the programming process **to give increased productivity and labour cost savings**. Features include automatically applying nesting preferences to parts on import (Grain Constraint Rotation, Lead in/out Style and Placement), interactive nest development from the active part list, nest conversion to CNC code with embedded process parameters, DXF output of the nest and the creation of production reports.

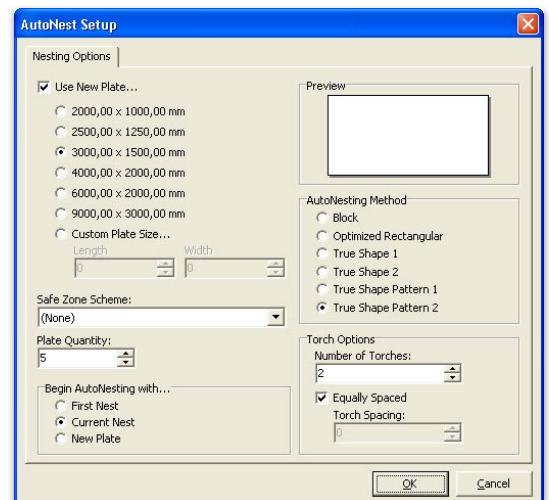
TurboNest also offers substantial savings when taking advantage of its optional modules. Common-Line Cutting, Bridge Cutting and Chain Cutting can all **significantly reduce production**

time and operating costs. Automatic Nesting modules work quickly to give you industry-leading nest utilisation results which lead to **reduced material handling and scrap, plus better profitability**.

The TurboNest user interface was designed to make the nesting process **simple and intuitive**. With "dockable" toolbars and menus, you can configure the TurboNest desktop to suit your individual preferences. "Fly by Help", context sensitive mouse cursors and "drag and drop" nesting add up to **a product that you can learn in minutes, not days!**

User-friendly features included as standard with TurboNest are **Interactive Cut Sequencing** allowing part cut order to be manually adjusted, **Cut Simulation** giving you the ability to watch how the job should cut before creating the CNC file, an **Edit Leads** function permitting lead ins/outs to be moved after parts have been nested and a **Cropping** tool which can be used manually or automatically to crop a partially used sheet or plate.

When nesting is complete TurboNest provides continued flexibility during CNC file and report creation. You may choose which process to perform first; cut, mark, etc, and whether stop codes should be included between processes. Also, you may configure **Process Parameter settings** for each cutting process, material type and thickness so creating jobs with a fixed feedrate and kerf embedded is made easy. For both management and production needs TurboNest offers a selection of clear and concise reports that may be printed. Finally, TurboNest comes standard with a basic DNC program allowing CNC files to be transferred via serial connection. TurboNest truly is **Power Made Simple!**



TurboNest[®] NESTING SOFTWARE

FEATURES AND OPTIONAL MODULES

STANDARD FEATURES

Interactive Manual Nesting

- User-Defined Standard Material Sheet Size List
- Edit Lead In/Out Position within the Nest
- Independent Profile and Plate Separation Control
- Drag and Drop, Copy, Bumping, Mirror and Rotate
- Manual Profile Cluster and Array formation
- Part Interference Detection
- Interactive and Automatic Plate Cropping
- Basic Multi-Head Support
- Safe Zones for Material Clamping Applications
- Animated Cutting Sequence Simulation

Code Generation, CNC Output and Communications

- Flexible CNC Post-Processor
- User-Defined CNC Output
- Automatic CNC Code Generation
- Available DXF Output of the Nest File
- DNC Communications Interface

CAD/CAM Import, Conversion and Part Development

- Import CAD (.DWG, .DXF) and CNC Files
- Automatic CAD File Correction or Error Notification
- Automatic Cut Sequencing and Tool-Pathing
- Automatic Assignment of Lead In/Out
- Automatic Rotation Restriction for Grain Constraint

Costing and Reporting

- User-Defined Production Cost Parameters
- Automatic Part and Production Cost Calculation
- Automatic Nest Utilisation Calculation
- Standard Shop Reports







OPTIONAL MODULES

TurboNest is ideal for use with the following cutting processes.









Use the icons provided to identify the cutting process that will typically benefit from that module.

PLASMA  OXYFUEL 

Automatic Nesting

- | | | |
|--------------------------------|---|---|
| • Pattern Array Nesting |  |  |
| • Advanced Rectangular Nesting |  |  |
| • Advanced True Shape Nesting |  |  |

Productivity Tools

- | | | |
|----------------------------------|---|---|
| • Common-Line Cutting |  |  |
| • Chain Cutting |  |  |
| • Bridge Cutting |  |  |
| • Entity Smoothing and Reduction |  |  |

THE BEST VALUE PROPOSITION

MTC Software ensures that **TurboNest provides the best total value nesting software solution** regardless of the industry you serve (**steel service centre, steel fabricator, boat and shipbuilding, oil and gas infrastructure, sheet metal, automotive, aerospace, etc.**).

TurboNest is available with a variety of language and flexible license formats and is complemented with technical support, provided by our dedicated team of professionals who understand the industry applications we serve.

TurboNest is continually being developed to incorporate the latest technology and support for new machine variations. By investing in MTC Software, like thousands of other companies worldwide have done during the past 20+ years, you will feel comfortable that you've partnered with a company that measures its success by ensuring yours.



MTC software
POWER MADE SIMPLE

www.mtc-software.com