

Oxyfuel process support

Introduction

Users of ProNest advanced nesting software gain an advantage when able to program for more than one cutting process. Using a single software solution to program for plasma, laser, waterjet, and oxyfuel machines can result in:

- Reduced cost of software ownership (upgrade charges, maintenance fees, etc)
- Reduced employee (programmer) training requirements
- Reduced business risk by making it easy for any employee to program any cutting machine using a single software product
- Increased flexibility allowing NC output for alternate cutting processes during a machine failure

ProNest assists companies that cut parts by providing the above benefits and delivering programming capability for virtually all plasma, laser, waterjet, oxyfuel and punch combination machines, regardless of machine brand or model.



ProNest oxyfuel process support overview

ProNest offers complete support for the oxyfuel cutting process. ProNest also supports virtually all brands of these machines, regardless of manufacturer.

The following is an overview of the oxyfuel-specific capabilities you'll find in ProNest. Note that some machine manufacturers have their own naming convention for a number of the capabilities listed below. Please contact us with any questions you have concerning machine support not listed.

- Bridge cutting
- Bevel support
- Multi-head support with fixed and variable spacing
- Plate cropping
- Plate machine support for plate processing machines, including spindle processes
- Process parameters
 - Material type, thickness, grade and class-based process parameters including advanced kerf and feedrate commands, piercing, etc
 - Material type and thickness-based lead parameters including various lead styles (lock, edge start, etc.), angles, extensions and over-travels
 - Automatic and interactive separations for part, plate, and pierce spacing
 - User defined variables – numerous parameter configurations
- Skeleton cut-up

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