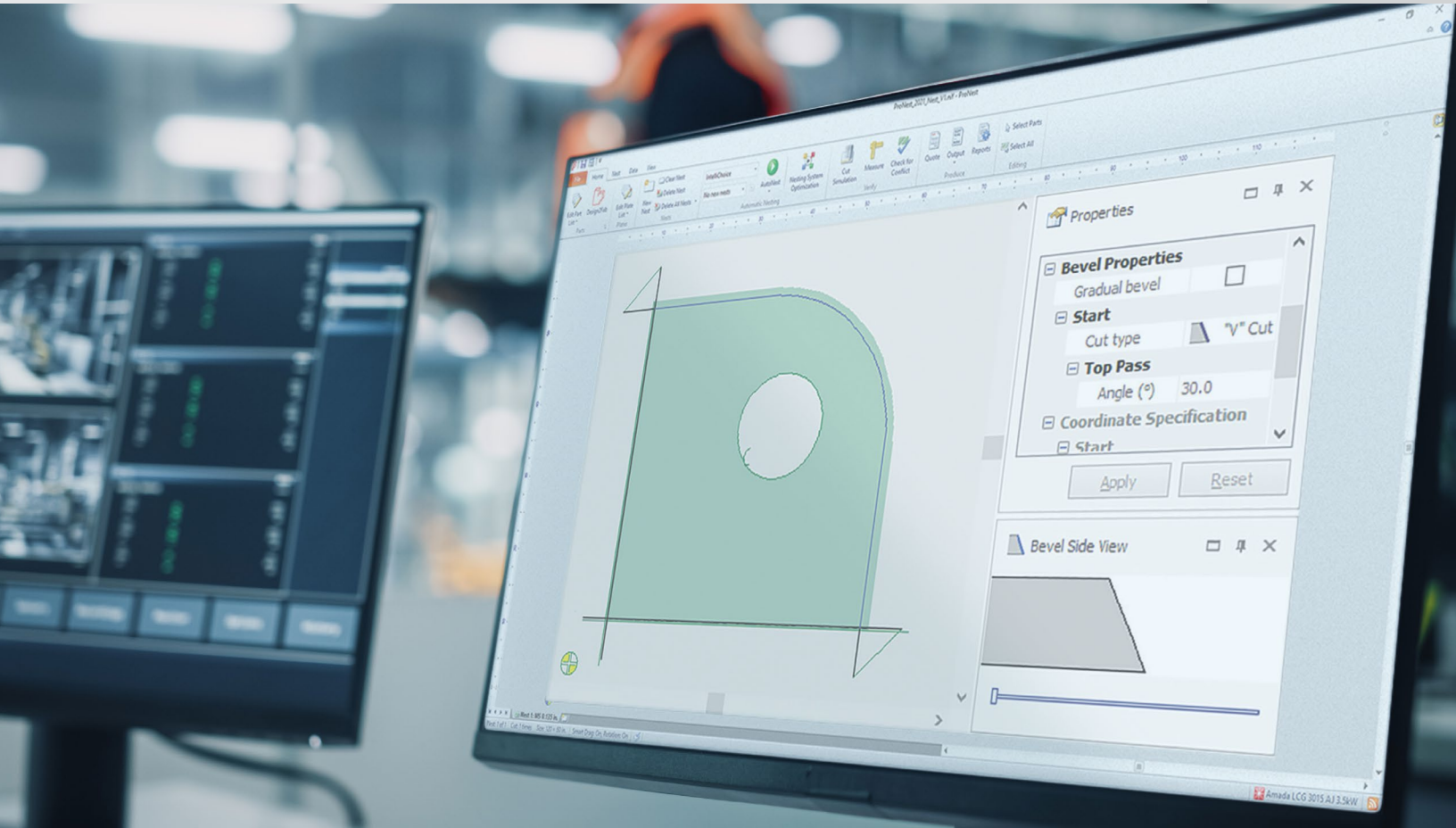# Bevel Machine Interface

ProNest® optional module

Benefits

- Reduced programming complexity
- Ensured quality outcome
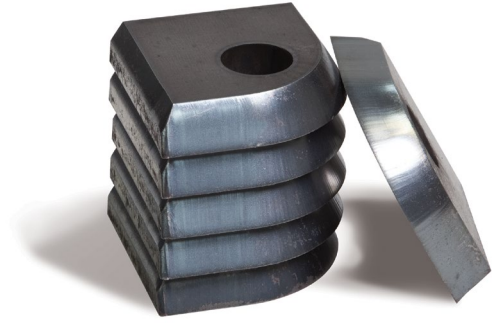- Fewer secondary operations

About

For cutting machines equipped with a programmable bevel head, the Bevel Machine Interface can create NC output for parts with various types of bevel edges, including multi-pass bevel cuts. Often bevel cutting requires a second process of grinding to make the parts fit nicely for weld preparation on part edges. The Bevel Machine interface helps minimize these secondary steps.

How it works

The Bevel Machine Interface allows users to assign bevel types and angles individually in ProNest or automatically via embedded CAD drawing layer. In addition, for machines that support Hypertherm's True Bevel technology, factory tested bevel parameters are applied automatically, making it quick and easy to set up new jobs. First recommended bevel cut sequence steps are applied. Then, optimized leads and transition loops are automatically incorporated. For even greater results, smoothing option for more fluid bevel cutting on arcs are available.

Features

- Single pass (A or V cut) and multi-pass (X, Y-top, Y-bottom, or K cuts) supported
- Hypertherm True Bevel fully integrated
- Optimized leads and transition loops automatically applied
- Gradual bevel, variable bevel types and angles on a single entity
- Cutting head unwind requirements automatically handled, if needed
- Automatic sequencing of multi-pass bevels
- Blind bevel, a bevel cut only applied over a segment of a part edge
- Smoothing option for more fluid bevel cutting on arcs
- Nesting accounts for required clearance around transitions
- Bevel spreadsheets offer full control over specific cutting conditions by material, bevel type, etc.
- Fully compatible with True Hole® and other SureCut™ applications

Consider including other Machine Interface modules to further improve your operation:

- Reposition Machine
- Drill Machine
- Plate Machine

Visit our website to request a demo:
www.hypertherm.com/modules

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