Hypertherm®

ProNest® 2017 LT

CAD/CAM Nesting Software

Accomplish more with ProNest LT

ProNest LT is a powerful CAD/CAM nesting software designed for light industrial, mechanized cutting in production environments. It provides a single software solution for all of your conventional plasma and oxyfuel cutting machines.

ProNest LT helps fabricators and manufacturers increase material savings, boost productivity, reduce operating costs, and improve part quality by offering the right level of cutting expertise for your needs.

It also supports Hypertherm SureCut™ technology, including easy setup, optimized process parameters, and easy trouble shooting.

In addition, ProNest LT is backed by Hypertherm's global network of professionals, meaning you'll always have access to the service and support you need.

Standard feature highlights

Cut process support

- Plasma (conventional)
- Oxyfuel
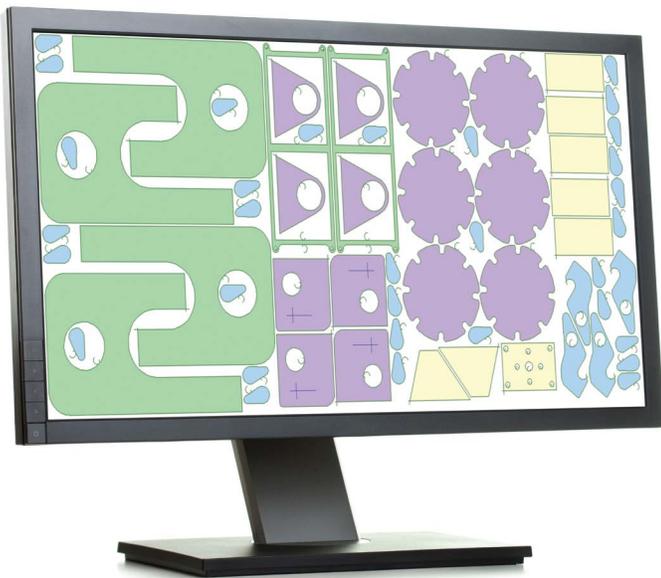
Machine support

- All major brands/manufacturers/models

Part design 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 files (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)

Job set-up

- Material database (with grade and gauge)
- Custom remnant creation (define irregular shapes for nesting)
- Grain constraint
- Edge piercing
- Safe zones for plate clamping applications

SureCut™ technology

- Material type, thickness, grade and class-based process parameters:
  - Separations for part, plate, and pierce spacing
  - Kerf and feedrate
  - Lead-in / out
  - Cutting techniques
- Cut sequencing – automatic or manual

Standard feature highlights, continued

Interactive manual nesting

- Group parts into clusters for nesting
- Drag, drop and bump parts on the nest
- Move, mirror, rotate, or array parts
- Prohibit / permit nesting inside of a part
- Part interference detection
- Edit lead-in/out position and properties within the nest
- Animated cutting sequence simulation
- Control cut direction and cut sequencing on part by part basis
- Plate cropping

Reporting

- Management and shop reports
- Export reports directly to PDF, Excel spreadsheet, CSV, or webpage

Costing

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

Output

- Post-processor with NC output
- Automatic kerf / pre-kerf compensation
- DXF output

Optional modules

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

Productivity modules

- Automatic nesting
- Common line cutting
- Chain and bridge cutting
- Skeleton cut-up

3D Process modules

- Pipe and fittings

Hypertherm®

Cut with confidence®