ProNest LT
CAD/CAM NESTING SOFTWARE

What's New

Major new features and changes in ProNest 2025 LT. For a complete version history, please visit the online knowledge base.

ProNest 2027 LT v17.0

- Quote Tool
- Customer database
- Automatic Nesting now a standard feature
- Advanced Automatic Nesting
- Adaptive Nesting
- SOLIDWORKS® Interface available
- AutoDesk® Inventor® Interface available
- Report engine upgraded
- Pipe and Fittings module now available

ProNest 2025 LT v16.3

- Navigation pane in Edit Part List file explorer

ProNest 2025 LT v16.2

- HySpeed® Enabled for Powermax SYNC®
- Optimized hole technique for Powermax SYNC®

ProNest 2025 LT v16.1

- Set a minimum angle threshold for corner rounding

ProNest 2027 LT v17.0

Released November 2026

QUOTING AND ESTIMATING

Quote Tool

The Quote Tool module enables you to easily create itemized quotes for any ProNest LT job. Using baseline material and production costs that are calculated by ProNest LT, quotes can account for secondary operations, markups, and discounts to provide itemized (by part) and total prices for a job.

- Secondary operations (such as bending, grinding, welding, painting, shipping, etc.) can be assigned to individual parts in the job. Add as many secondary operations as you'd like for any item. Commonly used secondary operations can be set up and stored in a library for reuse.
- Markups can be applied to material or production costs for quotes, parts, or secondary operations, helping you track estimated net profit for a job.
- Discount rates can be applied by customer. You can also set up quantity discounts for any item.
- Costing methods can be set up to match your organization's needs. You can change how part area is calculated for quotes and whether to include built-in scrap costs in part costs.
- Customer-facing and internal quotes are configurable and can be branded with your organization's logo. Standard quote templates are available for internal and external quotes.

Customer database

The Quote Tool includes a Customers database editor to store a list of all your company's clients. Once this list is created, it will be available within ProNest LT, enabling you to assign a customer to a quote.

AUTOMATIC NESTING

Automatic Nesting now a standard feature

Automatic nesting, with two basic rectangular nesting strategies and five true shape nesting strategies, is now standard in ProNest LT.

Advanced Automatic Nesting

The Advanced Automatic Nesting module is now available in ProNest LT, offering more powerful automatic nesting. This includes:

- Ten configurable true shape nesting strategies, plus two basic rectangular strategies
- IntelliChoice nesting
- Edit strategies to fine-tune exactly how AutoNest will work. Set part rotation angle increments, fit and interlock options, Pattern Array, and more.
- Adaptive Nesting
- Pattern array and common line cutting during AutoNest

Adaptive Nesting

A new automatic nesting algorithm is available. This approach tries different nesting configurations in successive trials during automatic nesting. Generations of solutions are evaluated and refined to arrive at a final nesting result.

This feature is included with the Advanced Automatic Nesting module.

3D CAD IMPORT

SOLIDWORKS® Interface available

SOLIDWORKS parts (.sldprt) can be imported directly into ProNest LT, with no need to save them to a 2D format first. Features include:

- Cutting and marking, including marking text
- Options for sheet metal parts, including importing bend lines
- Name a face to import or use a coordinate system to control which side is up
- SOLIDWORKS Configuration is supported
- Multi-body parts are supported

AutoDesk® Inventor® Interface available

Inventor parts (.ipt) can be imported directly into ProNest LT, with no need to save them to a 2D format first. Features include:

- Cutting and marking, including marking text
- Options for sheet metal parts, including importing bend lines
- Use a coordinate system to control which side is up

REPORTS

Report engine upgraded

FastReport VCL has been upgraded to 2026.2.5. Improvements have been made to the report engine used to generate ProNest LT reports. These include:

- Report validation, including checks for missing datasets, invalid expressions, and script errors
- PDF export quality and image rendering
- SVG rendering, image rotation and mirroring, and image transparency
- General performance
- Bug fixes

PIPE AND FITTINGS

Pipe and Fittings module now available

The Pipe and Fittings module is a library containing numerous parametric fitting developments (or templates) each of which can be used to easily create your own custom developments. This module is ideal for fabricators working with welded, cylindrical pipe joints and transitions used in blowpipe applications.

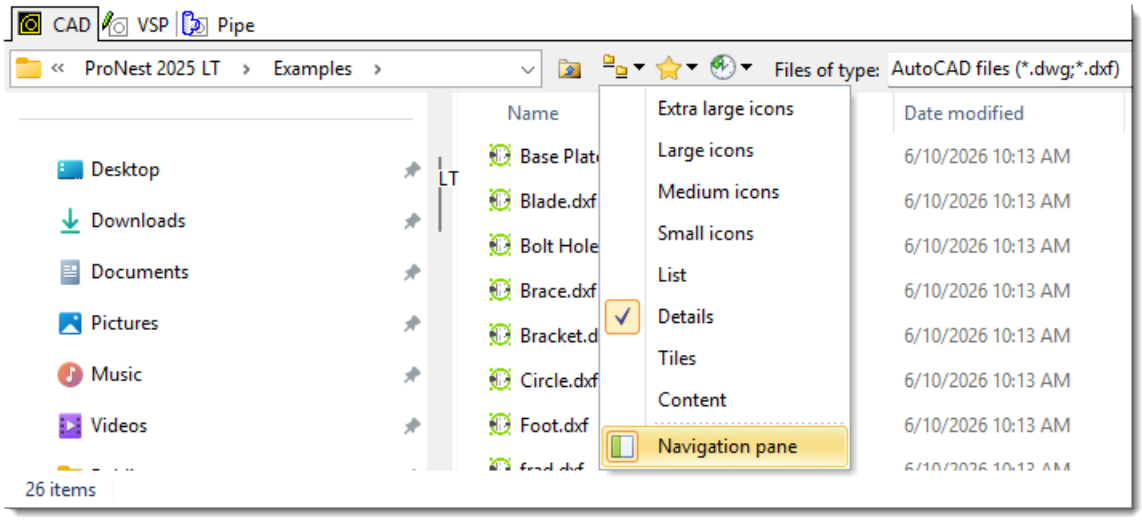
ProNest 2025 LT v16.3

Released June 2026

EASE OF USE

Navigation pane in Edit Part List file explorer

In the CAD tab of the Edit Part List, an option to show a Navigation pane is now available. This enables faster file browsing and folder navigation.



ProNest 2025 LT v16.2

Released April 2025

PROCESS

HySpeed® Enabled for Powermax SYNC®

HySpeed® Enabled is a Hypertherm-tested plasma cutting application that cuts up to 3x faster than standard cut charts and reduces the cut-to-cut time. In ProNest LT, HySpeed Enabled requires a new machine setup that applies parameters via class and utilizes Collision Avoidance to optimize motion paths. HySpeed Enabled is designed for use with thin Mild Steel material and Powermax SYNC® plasma power supplies.

Optimized hole technique for Powermax SYNC®

Optimized hole technique is a Hypertherm-tested plasma cutting application that improves cut quality and reduces dings and divots on holes and slots. In ProNest LT, optimized hole requires a new machine setup, and class is used to apply optimized hole parameters. Optimized hole is designed for use with thin Mild Steel material and Powermax SYNC® plasma power supplies.

ProNest 2025 LT v16.1

Released July 2024

MACHINE

Set a minimum angle threshold for corner rounding

A new column header called "Minimum Corner Radius Threshold Angle" is available for the Cutting Techniques spreadsheet, which lets you set a minimum angle for corner rounding. This new column header allows you to create a range of angles for corner rounding when used with the Corner Radius Threshold Angle column header. For example, if Minimum Corner Radius Threshold Angle is set to 35 and Corner Radius Threshold Angle is set to 100, then only corners with angles between 35 and 100 degrees will be rounded.

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