What's New

Major new features and changes in ProNest 2023 LT. For a complete version history, please visit the online knowledge base.

ProNest 2023 LT v15.2.0

- Multiple crop lines per nest
- Cut up empty plate using crop lines
- Change cut direction of crop cuts
- Apply crop lines using XY coordinates
- Small entity detection
- Move machine home on remnants

ProNest 2023 LT v15.1.0

- Profile cut sequencing
- Drag a box sequencing method
- ProNest LT OMAX and ProNest LT Waterjet Plus
- OMAX file support for XData
- Enhanced Quality support for OMX and ORD files

ProNest 2023 LT v15.0.0
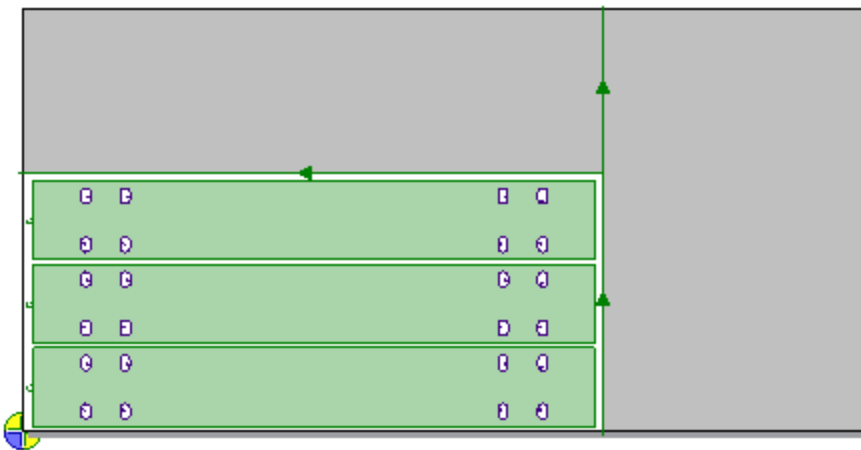
- Welcome screen
- Customize the ribbon

ProNest 2023 LT v15.2.0

Released June 2023

CROP
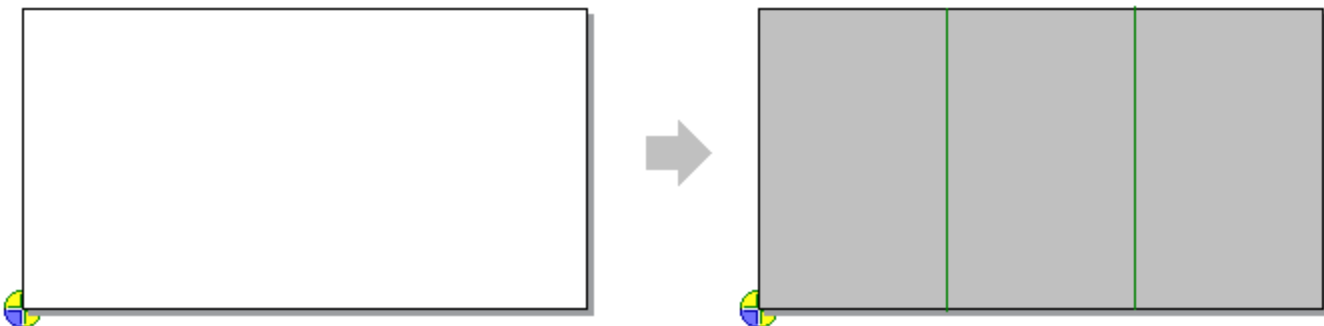
Multiple crop lines per nest

Apply multiple crop cuts to a single nest. This can make plate handling and storage easier when the remnant is an irregular shape and you want to cut it into smaller, more manageable pieces, such as rectangles.

You can add multiple crop lines in Crop mode. Crop lines can start or end at a point on an existing crop line or at the plate edge. Also, additional crop lines can be added on nests where AutoCrop is already applied.

Cut up empty plate using crop lines

An empty nest with no parts can be cut up with one or more crop lines. You can use this to divide a plate on a large cutting table into smaller plates that would fit on smaller cutting tables.

Change cut direction of crop cuts

You can now edit the cut direction of any crop line in Crop mode. This can be used for crops that were added manually or automatically using AutoCrop.
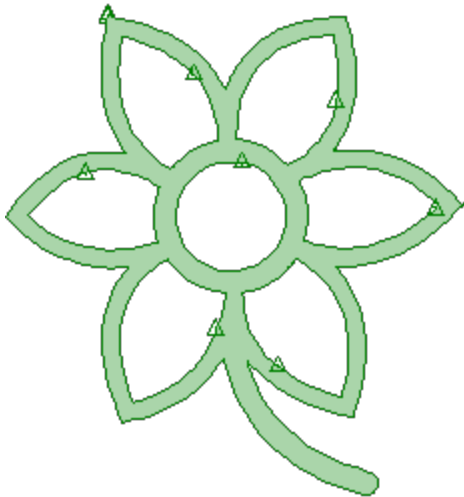
Apply crop lines using XY coordinates

Place crop lines at a precise location on the plate by entering XY points in Crop mode. Absolute and incremental XY values are supported.

CAD IMPORT

Small entity detection

The new CAD import property "Small motion tolerance" allows you to set a length that will display a warning when you import a part containing a line or arc entity smaller than that threshold. This also applies to motions on lead-ins and lead-outs. Small motion detection is a useful way of identifying motions that are smaller than kerf width or other length value, which can cause errors at the machine or may result in poor cut quality.

Small entities are indicated with a triangle icon (△) over the entity in the Preview of the Edit Part List.

REMNANTS

Move machine home on remnants

A new CNC Output setting "Move to corner instead of closest point on plate" is available for remnants that do not have a corner at the standard machine home. This setting allows the machine home point to move to a corner on the remnant, making it easier to home the cutting head on irregular-shaped workpieces.

Additionally, changing any of the settings under "Adjust machine home on remnants" immediately updates the machine home icon on the nest, without having to create output or enter Cut Simulation.
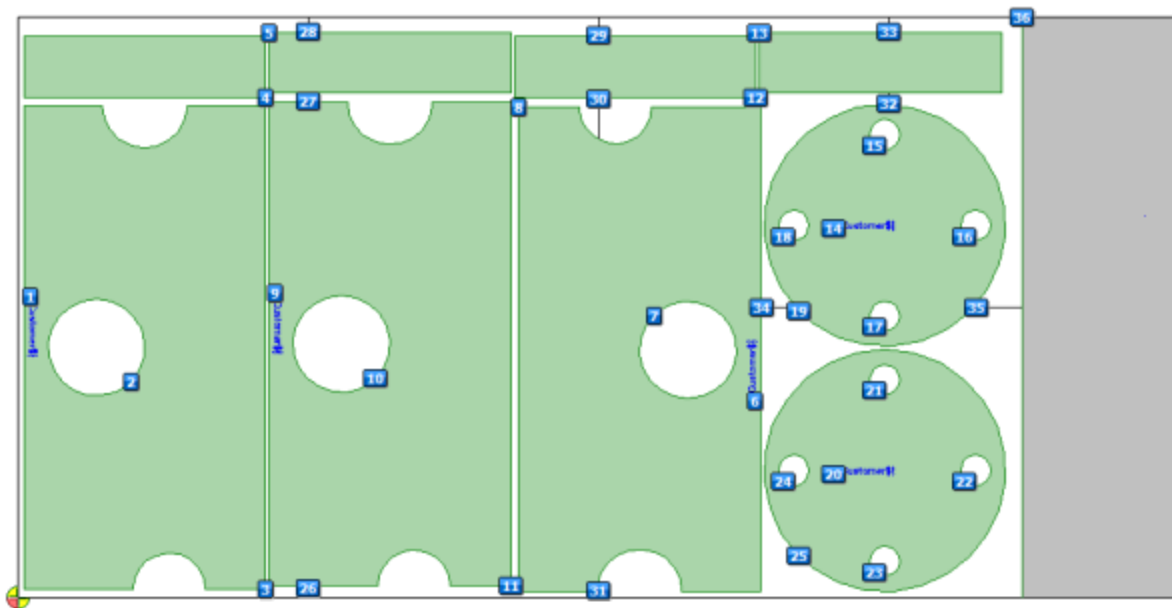
ProNest 2023 LT v15.1.0

Released March 2023
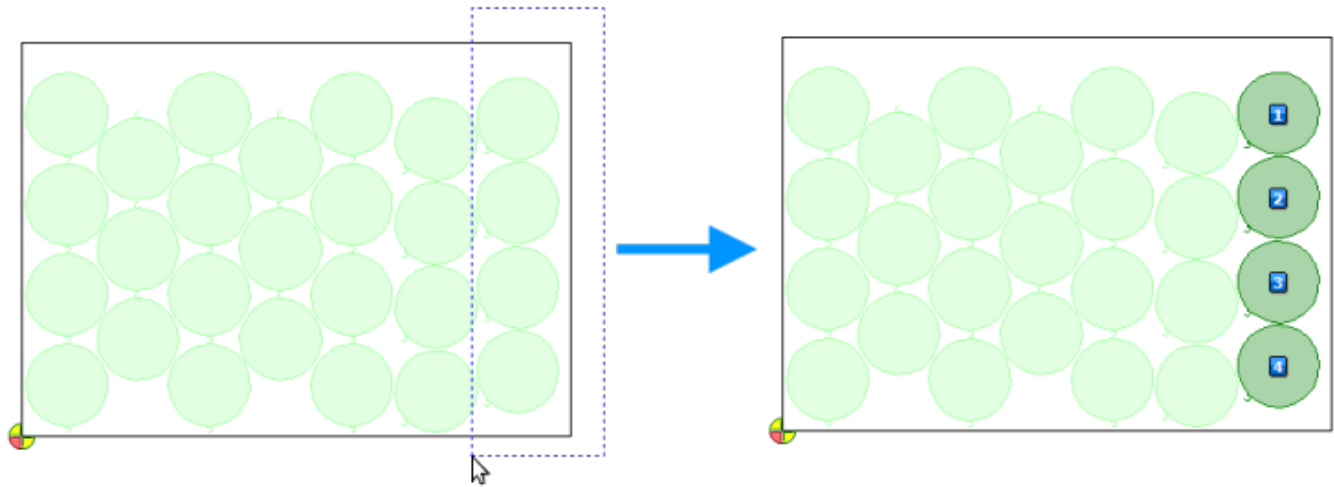
CUT SEQUENCE

Profile cut sequencing

Profile Cut Sequence mode allows you to sequence interior profiles, exterior profiles, skeleton lines, and crop lines on a nest. This convenient mode doesn't require you to take individual parts into Advanced Edit to sequence interiors.

Drag a box sequencing method

In any cut sequencing mode on the nest or in Advanced Edit, easily sequence profiles by clicking and dragging a box around them. Sequencing by dragging provides a quick way of sequencing profiles on a part or nest, without clicking on each individual profile or relying solely on cut sequence settings.

WATERJET

ProNest LT OMAX and ProNest LT Waterjet Plus

We are pleased to announce two new subscription products available for ProNest LT: *ProNest LT OMAX* and *ProNest LT Waterjet Plus*. Both products are specifically designed to meet the needs of waterjet users while leveraging powerful capabilities already available in ProNest LT subscription with Unlimited tier.

ProNest LT OMAX only supports OMAX machines, including OptiMAX, OMAX, MAXIEM, and GlobalMAX.

ProNest Waterjet Plus supports waterjet cutting, along with plasma and oxyfuel cutting applications.

To learn more, visit: https://www.hypertherm.com/hypertherm/pronest/pronest-lt-cadcam-nesting-software/

OMAX file support for XData

XData that is present in an OMAX file (.omx) during part import is retained in ProNest LT and included in output. OMX parts with XData have restricted functionality in ProNest LT (for example, leads may not be modified or moved in some scenarios), and they can't be opened in Advanced Edit or your default CAD editor.

Enhanced Quality support for OMX and ORD files

- Quality colors match default quality colors in OMAX IntelliMAX software.
- Descriptions for standard OMAX quality numbers are included in the Color Legend.
- Leads, etch, and scribe profiles are assigned appropriate quality values at output, regardless of their quality assignments in ProNest LT.

Please contact us if you'd like to use this feature.

ProNest 2023 LT v15.0.0

Released May 2022

USER INTERFACE

Welcome screen

When starting up ProNest 2023, you are greeted with a new welcome screen that highlights training videos, tips, and other resources. An internet connection is required to watch training videos.

Customize the ribbon

The ribbon area in ProNest—Home, Nest, Data, and View tabs—can be customized by adding, removing, and rearranging non-default buttons. In addition to the four standard tabs, custom tabs may be added. You can save different ribbon configurations and easily switch between them as needed, to best fit your workflow.

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