



Click2Extrude Metal

2018.1 Release Notes

Click2ExtrudeMetal® version 2018.1 includes the following new features and enhancements. Some features may not be available depending on the type of license being used.

General Enhancements

Post Processing

- **Results Loading Time:** In this release, there is an improvement in the time taken to load the results for transient and steady state models.
- **Legend Data Format:** The legend table is represented in a non-scientific format for better readability.
- **Support for Vector Results:** Vector results have been enhanced. Users can now select and display the X, Y, and Z components of the vector as well as the magnitude.

Improvements to Localization

Most text in the user interface has now been translated, including workflow help for all of the tools on the ribbon.

Supporting Spaces in Run Folder

Spaces may now be used in the run directory path, but not in the model file name.

License Wizard Updates

An issue with launching the license wizard has been resolved.

Extrusion

Billet Taper Dialog Issues

Issues related to changing units for billet tapers has been resolved.

Meshing Improvements for Choked Models

Improvements have been made to the automatic model setup for models with choked bearings, which should improve the meshing success rate.

Tool Deflection

Improvements to Pinhole Constraints

Issues related to pinhole constraints for circular surfaces in tool parts have been resolved. Translation degrees of freedom are now applied to pin hole constraints while exporting the model. For these analyses, rotational degrees of freedom are not required in the specification.

Quenching

Resolved Unit Change Issues

Resolved issues in updating quench box mass values in the Model Browser, specifically when units are changed by the user while setting up the model.

Summary of Quench Data

The quench data format in the summary table has been improved for better readability.

Meshing Improvements

For very long and thin profiles, mesh sizes can become large, which increases both the pre-processing and the solution time. Click2Extrude now estimates the size and warns the user before proceeding with the analysis. In addition, the meshing speed has been improved and SimLab is now used as the default mesher.