

DYNAFORM 5.8 UPDATE NOTES

Jan. 25

1. Added an option in AutoSetup to output two formats of LS-DYNA input deck (971R3.2 and 971R5.x).
2. Updated the igesdll.dll file to fix a crash bug when using Utility Batch.

Feb. 18

1. The convergence criterion for trimline module is improved and a bug in 64 bit version is fixed.

Feb. 23

1. Added an option "Remove all parts" in the GUI "Define Geometry" and it allows the user to select parts from the screen.
2. Improved the display speed when switching between tabs in AutoSetup.
3. Changed the max. Number of parts from 5 to 15 in the GUI of part functions. If the number of part is less than 15, the part list will be resized with the number of part.
4. Fixed two bugs in LINUX 64 bit version.
5. Updated the installation script to support the LS-DYNA license manager.
6. Updated the Job Submitter to allow user to change the precision type of LS-DYNA through GUI.

Feb. 24

1. Improved the display speed of update addendum.

Mar. 01

1. Add a warning message for unassigned draw beads in AutoSetup.
2. Fixed a bug in "Define Geometry" in Preparation.
3. Improved the speed of update addendum.
4. Improved the speed of delete elements and delete free nodes.
5. When changing the size of the main window of DYNAFORM, keep the view size while all parts are turned off. Otherwise, the displayed part will be very small after

resizing the main window.

6. The shading option is disabled after entering the undercut check function in SCP to avoid the display problem.

Mar. 08

1. Fixed a crash bug about shading for a CATIA V5 model file.
2. Fixed the draw bead bugs and also updated Post.
The bug of the bead force that the user edited but not saved has been fixed.
It allows the user to enter the fraction for the force percentage.
The bug for bead force percentage that is displayed incorrectly has been fixed.
Changed the exported bead name with the bead name instead of "Drawbead_*".
Add a check to update the bead location if locked parts are moved.
3. Changed the default temporary directory from the database path to temporary folder of system.

Mar. 09

1. Reset the mouse cursor shape after blank mesh function.
2. Updated the status of button "Submit job" when local curve is defined in SCP GUI.
The "local" option is open to the user now.

Mar. 21

1. Fix bug about initial temperature for thermal multi-stage under AutoSetup.
2. Fix bug about evaluating local coordinate system in AutoSetup.

Mar. 29

1. Fix bug about temperature conversion for thermal forming in AutoSetup.
2. Fix bug that the 64 bit version POST will crash when importing IGES file on Windows 7. The file FileConvert.exe is updated.

Apr. 19

1. Fix the addendum element display error when exiting Addendum function.
2. Fix the calculation error in Arc Nesting report.
3. Fix bug that in Split Element function, "Generate constraint" option will generate wrong adaptive data for some cases.

4. Change the auto backup file name from "timed.df" to "xxx_timed.df". "xxx" is the name of database file.
5. On page control while gravity loading, an option "Additional control" is added to determine if output three implicit control cards.
6. All tools without contact thickness will use the default value (0.0) of parameter "master surface thickness" in dynaform default file.
7. Fix bug in *MAT_125 when exporting the index file.
8. Fix bug in Job Submitter that the job status is wrong for some cases with LS-DYNA971R5.
9. Fix bug for some cases, there are intersected elements after trimming.

May. 09

1. Fix bug in AutoSetup that DF5.8 can not open the database file generated by DF5.7.*.
2. Change the location of the configure files of DYNIFORM from "My Document" to "AppData".

May. 30

1. Update the IGES translator to fix crash bug when boundary lines of surfaces exceeding the limit.

Jul. 11

1. Fix bug about mesher that some wrong elements are generated at the corner.
2. Fix bug that the wrong default material type is displayed in material library under BSE->MSTEP menu.
3. Update the LS-DYNA executable files to R5.1.1.

Jul. 20

1. Changed the default value of "mstep auto save" from "Yes" to "No".
2. The keyword "*DATABASE_EXTENT_BINARY" has been added to output strain information of "Gravity Loading" stage when it is not the first stage of multistage simulation.

Updates in eta/POST

1. Supports reading draw bead name from index file and use it as the relative part name. If the name is not in the old format files, the default name will be set as "DRAWBEAD_X".
2. It enables the users to set their own line element width in etapost.config file to get a better draw bead display, and the keyword is "Line Element Width". The default width = 5 is used.
3. Changed the draw bead factor display as percentage mode in the "Drawbead Force Factor" function.
4. Changed the draw bead list name as the exported draw bead name in the "Drawbead Force Factor" function.
5. Added the "contour region" option in most of the contour plot GUIs.