DYNAFORM

eta/®

Version 6.1

Release Notes 1/2021

Dynaform 6.1 is the sixth-generation die system simulation solution. It provides a user-friendly and intuitive interface with streamlined process design. The stamping simulation process is fully based on the actual stamping process, which requires less CAE knowledge, and minimum geometry and element operations.

Significant Enhancements

1. Re-arranged the icons in the Menu Bar.

2. Implemented Blank & Trim Line Development.

3. Supported automatic and manual Springback Compensation.

4. Added Multi-Rows Nesting in Blank Size Engineering (BSE).

5. Added Assembly BSE to automatically perform Unfolding and Nesting for metal stamping assemblies.

6. Supported different Unit Systems.

7. Supported job submission on Linux OS.

Newly Enhanced Capabilities, Features and Functions in Geometry Manager

1. Added Offset Surface.

2. Added Revolve Surface.

3. Added Sweep Surface.

4. Added Bridge Curve.

5. Added Extend Curve.

6. Fixed bugs related to Middle Surface generation.

7. Supported Deviation Check.

8. Supported output of elements in STL format.

Newly Enhanced Capabilities, Features and Functions in BSE

1. Added Assembly BSE to automatically perform unfolding and nesting for metal stamping assemblies.

2. Supported Multi-Rows nesting.

3. Improved nesting results.

4. Supported definition of minimum/maximum width for coil and plate in Nesting.

5. Added nesting result for patch blank of the patchwork parts.

Newly Enhanced Capabilities, Features and Functions in Sheet Forming

1. Added Blank & Trim Line Development.

2. Added automatic and manual Springback Compensation.

3. Added Best Fit in Springback Compensation.

4. Supported definition of CAM Direction by selecting a coordinate system.

5. Supported Disk Mesh in Blank Definition.

6. Supported Lobatto integration rule for composite forming.

7. Supported *define_curve_smooth keyword.

8. Enhanced definition of drawbead box.

9. Enhanced definition of local adaptivity.

10. Supported modification of keyword.

11. Supported automatically searching the seed for trimming process.

12. Supported calculation of blank mesh size by selecting a fillet surface.

13. Supported closed curve in Lance operation.

14. Supported modification of stage ID.

15. Added Tool Transparent function.

Newly Enhanced Capabilities, Features and Functions in Post

1. Added all new Section Cut function in Post.

2. Supported viewing of forming result in Press Coordinate System.

3. Supported keeping the current frame when switching to other contour display.

4. Supported recording video for the result.

5. Supported creation of boundary line.

6. Added Edge Stretch function.

7. Supported feature to automatically hide tools used in gravity process when performing operation in forming process.

Newly Enhanced Capabilities, Features and Functions in ETA Report

1. Supported simultaneously display of two sets of forming results (d3plot/idx).

2. Supported display of dynain file generated by BSE.