

DYNAFORM 5.8.1

New features and Future Development

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Abstract

This presentation will provide details regarding the recent release of DYNAFORM Version 5.8.1. DYNAFORM is an FEA software solution which guides the engineer through a wide range of stages in the manufacturing, from cost estimation and die face design to formability analysis, springback prediction and springback compensation. This version promises to deliver a robust environment for engineers to simulate and analyze the entire die system.

Significant enhancements were included in this version, many of which are delivered through the Die Face Engineering (DFE) module. DFE now offers the capacity to parametrically build die faces for a symmetrical part.

A new 'product change replacement' feature allows the user to retain the current die face design and simply drop in new product design surfaces, saving the user a great deal of time while providing greater flexibility.

DYNAFORM 5.8.1 allows the user to set up a personalized 'drawbead library' which links the line bead force and the drawbead geometry shape. As a result, the user can elect to run the simulation with either the line beads or geometry beads.

DYNAFORM future development will be focused on optimization which will significantly reduce the manual adjusting work for simulation engineers. This will ultimately make simulation analysis more automated.

