FASTFORM® Advanced

FORMABILITY ANALYSIS SOFTWARE

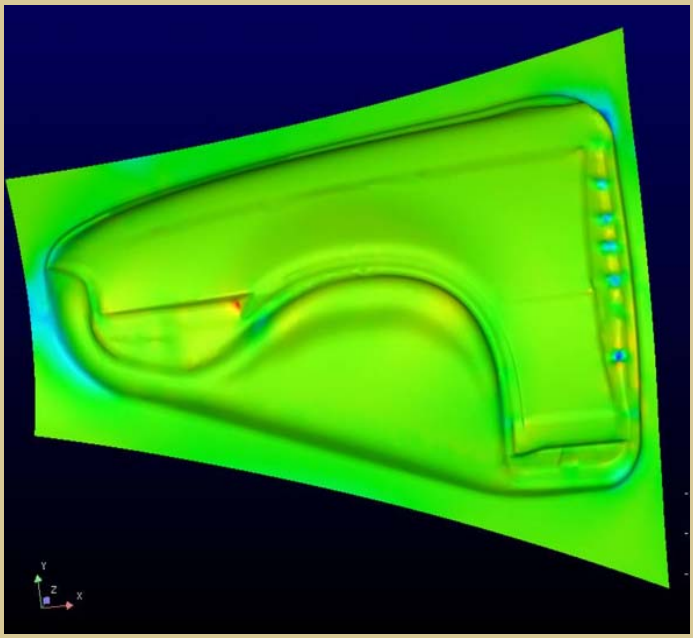
A FORMINGSUITE® MODULE

Accurate *virtual* prove-out from product to die design

Eliminate financial risk by identifying product and process problems up-front

Quick and easy identification of formability issues in product, binder, and die face development

Substantial reduction in development time



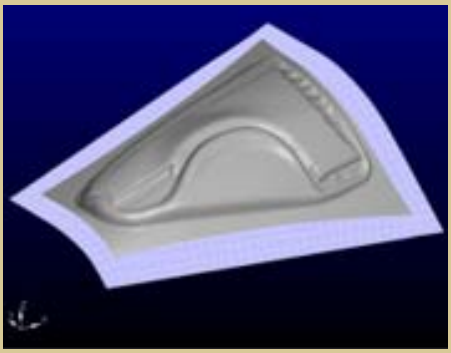
Fast and Accurate Formability Analysis

FASTFORM Advanced PROVIDES COMPLETE ANALYSIS FROM PRODUCT CONCEPTION TO DIE DESIGN

FORMING TECHNOLOGIES INCORPORATED

FASTFORM Advanced

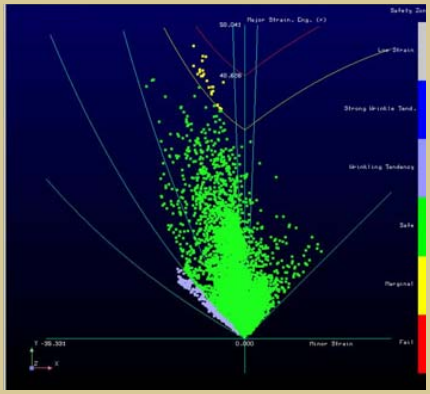
FASTFORM Advanced identifies problems in minutes, enabling users to implement changes earlier in the product life cycle, which ultimately saves corporations millions of dollars, annually. Formability results consider component or tool geometry and account for material properties, friction, binder surface, die addendum, blank holder force, pad pressure, draw beads, and tailor-welded blanks.



Use curved binders to simulate draw developments

FEATURES

- Materials Database - Built in, customizable materials database
- Automatic Meshing - Powerful mesh generator removes complexity from the FEA process. Capable of filling holes, offsetting to mid-plane, and displaying undercut elements
- Tipping - Automatic and manual orientation of the part into the press direction
- Forming Conditions - Includes tools to simulate the effects of blankholder force, drawbeads, pressure pads, pilot holes, and constraints
- Curved Binder - Create or load a binder surface to create a more uniform draw depth
- Springback - Determine the final part shape resulting from springback, with or without trimming
- Tailor Welded Parts - Define additional materials for different areas of the part
- Cut Off Dies - 5 standard blank outlines are available
- Exporting - The blank can be exported in IGES or DXF format for use in any CAD system. Results can be exported in Nastran or LS-DYNA format for use in other analysis
- Reports - HTML reports summarizing the on screen results can be printed and saved



The forming limit diagram assists in evaluating strain affects

ABOUT FORMING TECHNOLOGIES Forming Technologies Incorporated (FTI) is the world's leading developer of computer aided engineering software for design and simulation of sheet metal forming. FTI has developed a suite of products to analyze product formability, die design, and process feasibility. For the past 19 years, FTI has provided the automotive OEM, Tier 1, Tier 2, Tier 3, aerospace, and appliance industries with innovative software and training solutions designed to reduce development time and material costs. These solutions have resulted in millions of dollars of savings for our customers. FTI and its global network of partners provide sales and technical support to customers in more than 30 countries.

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