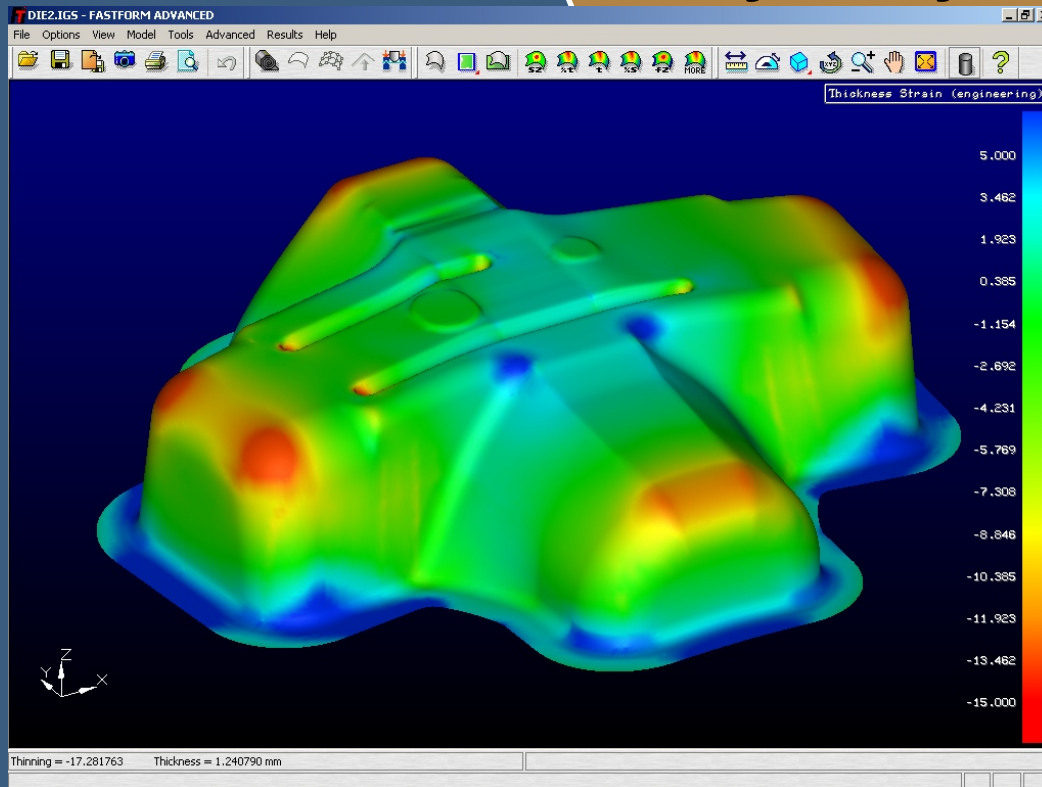


# FASTFORM

ADVANCED

Formability Analysis Software

## Fast Accurate Formability Analysis



Complete formability analysis from product concept to die design

- 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



# FASTFORM

ADVANCED

## Formability Analysis Software

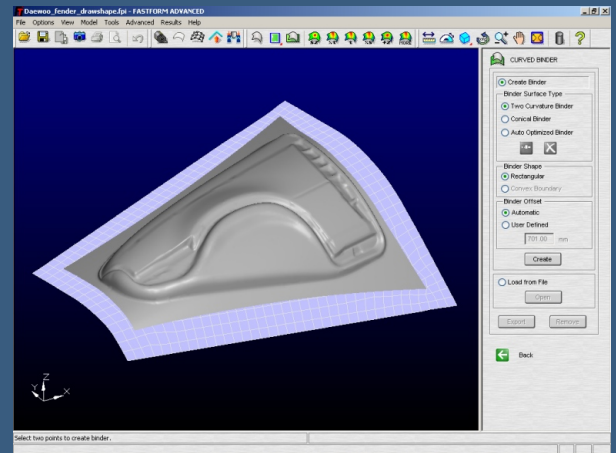
**FASTFORM Advanced** provides product and die designers with accurate formability analysis for the virtual prove-out of complex draw dies. Modeling and analysis can be completed in minutes, allowing multiple scenarios to be evaluated quickly and easily. The analysis can be based on either the component geometry for early feasibility studies or on the full tool as a final check before machining. The simulation takes into account material properties, friction, binder geometry, blankholder force, pad pressure, drawbeads, and tailor-welded blanks to produce accurate results.

### Features

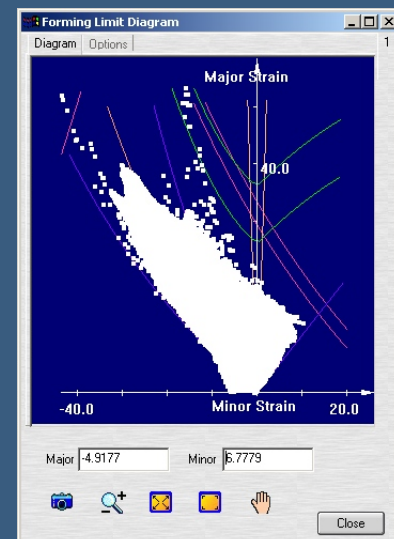
- Results include forming limit diagram safety zones, forming zones, splitting, wrinkling, thinning, major and minor strains, principle strain direction, and accurate blank shape
- Springback evaluation to determine release displacements, panel distortion, and residual stresses
- Customizable materials database provides flexibility required to simulate any material
- Automatic curved binder generation
- Simulation of tailor welded blanks
- Identifies the potential for “highs” and “lows” on class “A” panels
- Integration to crash / NVH / reliability engineering analysis via IGES, DYNA, and Nastran export
- HTML-based report generation summarizes the product development process

### About Forming Technologies

Forming Technologies Incorporated (FTI) is the worlds leading developer of computer aided engineering software for design and simulation of sheet metal components. FTI has developed a suite of software to analyze product formability, die design and process feasibility. For the past 15 years, FTI has provided OEMs and suppliers in the automotive, 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.



Automatic curved binder generation tools enable analysis of the most complex parts



The forming limit diagram assists in evaluating strain effects

Visit us at:

[www.forming.com](http://www.forming.com)

**FTI** FORMING TECHNOLOGIES INCORPORATED  
6-1075 North Service Road West  
Oakville, ON, Canada L6M 2G2  
Phone: (905)827-2997 Fax: (905)827-3166  
Web Site: [www.forming.com](http://www.forming.com)

