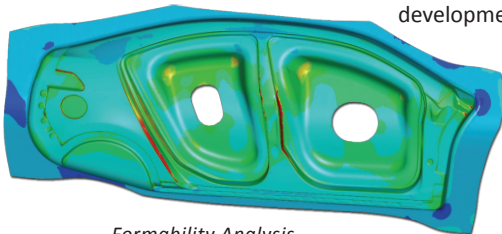eta/
DYNAFORM®

Uncover *Design* **Flaws** & *Optimize* Designs

This powerful module facilitates the rapid development & validation of both single-station and progressive die designs. FS helps to uncover hidden problem areas and enables designers to optimize designs based on accurate LS-DYNA based forming results.

FS is now enhanced with *optimization*. Engineers now can go beyond identifying problem areas by incorporating design optimization within simulation to improve performance & quality—reducing wrinkling, thinning & tearing. FS also now offers improved trim line development.

Features
- Quick & easy set-up
- Multiple tools & multi-station progressive die simulations
- User-friendly interface

Material Library
- Standard material types
- Mild, high strength & stainless steel materials
- New dual phase steel, aluminum & metallic alloys

Functions
- Superplastic forming, Hot Forming, Hydroforming & Roller Hemming capabilities
- Springback Analysis & Springback Compensation
- Tube Bending for multi-stage rotary draw bending simulations

Usable Feedback Results
- forming limit diagram (FLD)
- Predict splitting, thinning & wrinkling
- Springback compensation

Formability Analysis