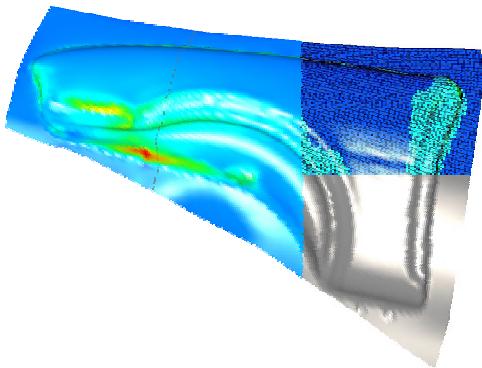


# Z-Stamp

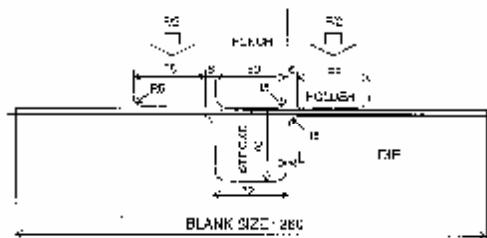


## OVERVIEW

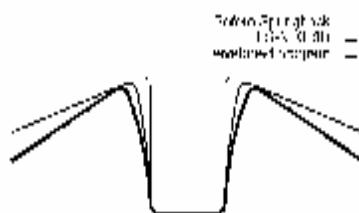
- ◆ Z-Stamp is the first Sheet Metal Process CAE system for Windows in Korea, which was co-developed by University (developing solver since 10 years ago) and Cubictek (developed the first CAD/CAM in Korea).
  - ◆ Manager application of Pre/Post Processor, Solver,
  - ◆ Z-Stamp is offering Result-credibility

## SPECIALTY

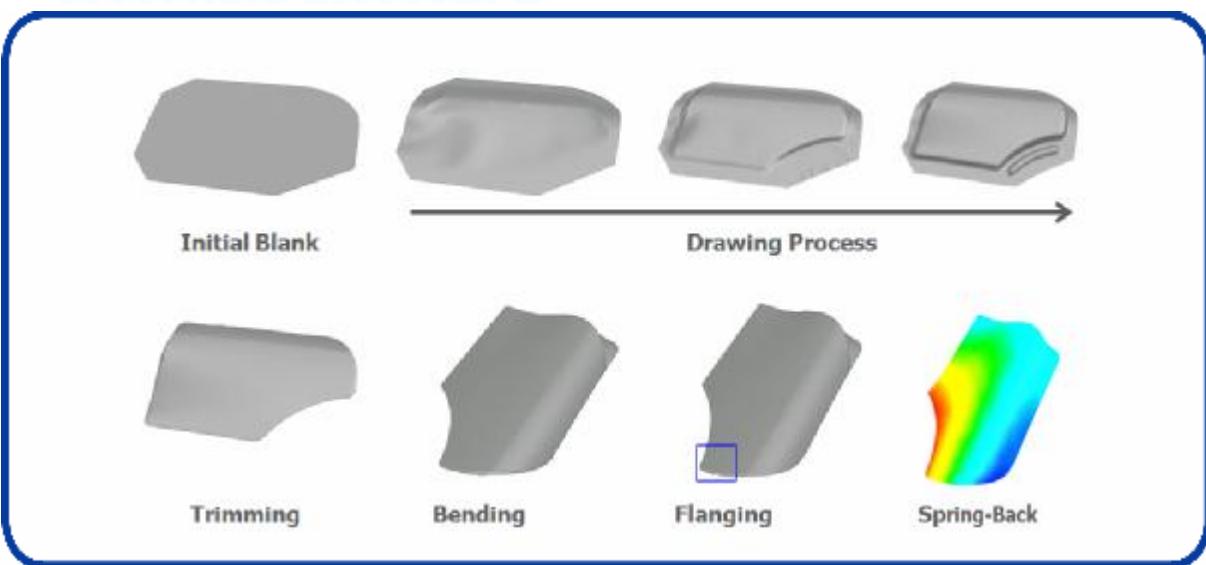
- ◆ Project Management
  - ◆ STL, Mesh data (Pam stamp) Interface
  - ◆ Spring-Back analysis engine
  - ◆ Pre/Post Processor
  - ◆ Results
    - : Thickness, Strain, Various stress, FLD, etc.



## ▲U-Draw Binding



## ▲ Spring-back Result



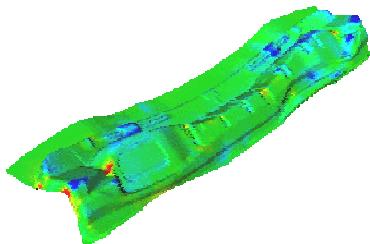
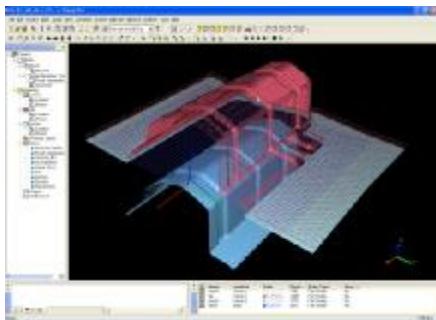
# Sheet Metal Forming Simulation System

## Z-Stamp

Sheet Metal Forming Simulation System



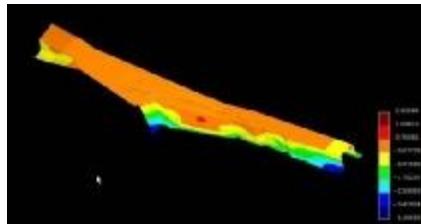
## Z-Stamp



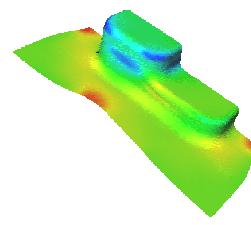
Dash-upper  
(inner panel)

### PRE-PROCESSOR

- ◆ Analysis Input Generation
- ◆ Mesh Format : Nastran, Pam-stamp, STL.
- ◆ Automatic Blank Mesh Generator
- ◆ Automatic Tool Positioning
- ◆ Element Normal Check & Reverse



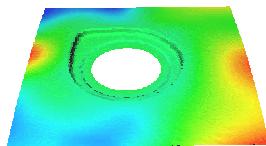
Side Rear Member



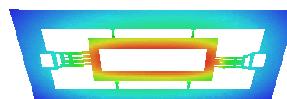
Oil-pan



Side Outer Panel



Drum washer



Lead Frame

### EXPERT POST

- ◆ Contour Plot of Simulation Result
- ◆ Time History Graph
- ◆ Animation
- ◆ Section plot
- ◆ Forming limit diagram (FLD)

