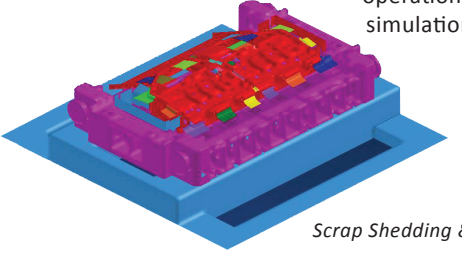
eta/ DYNAFORM®

Analyze Die System **Operations**

The finite element approach to die system design is an efficient way to predict and resolve many stamping related concerns within the die production line. DSA simulations can help to streamline die system design from the analysis of scrap shedding and removal and die structural integrity, to sheet metal transferring and handling.

Scrap Shedding & Removal

- Streamline modeling for scrap, trim dies, chutes & trim steel
- Create trimming operations & shedding simulations



Scrap Shedding & Removal

Die Structural Integrity

- Simulate operational loads
- Generate FEA models of the die structure
- Define operational & stamping loads
- Evaluate die structure strength & durability
- Implicit & explicit solutions

Sheet Metal Transferring & Handling

- Simulate metal transfer during manufacturing
- Simulate transfer to die station, between stations & placement of finished piece on shipping rack
- Predict interference between work-piece & tools
- Use stress/strain results to prevent damage during transportation, & during loading & unloading operations