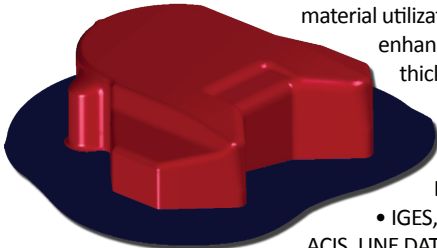


Blank, Nest & Generate Quotes

BSE is a complete solution for accurately estimating blank size along with blank nesting for maximum utilization, minimum scrap and piece costs. This powerful module allows the user to predict thinning, thickening, thickness strain, major prin. strain, min prin. Strain, strain tensor & generate a forming limit diagram (FLD).

The streamlined the BSE procedure enables the user to operate easily and perform part design.

BSE is now enhanced with nesting optimization to review all nesting possibilities and to maximize material utilization. BSE also offers enhanced FLD & thickness & thinning contour reporting capabilities.



Blank Development

File Importing

- IGES, VDA, DXF, STL, ACIS, LINE DATA, CATIA, NX, PRO-E, STEP, NASTRAN, DYNA, DYNAIN, ABAQUS

Part Preparation

- Separates top & bottom surfaces of solid-model parts
- Automatically generates middle surface
- Fixes/fills surface gaps & holes
- Automatically meshes

Blank Development

- Blank size estimates (accurately predicts flat blank profiles)
- Supports tailor welded blanks & double attached parts

Nesting

- Supports outline development, editing & deletion
- Optimal 1-up, 2-up, 2-pair, mirror & multiple blank nesting

Forming Analysis

- Generates a forming limit diagram (FLD)
- Predicts thickness, thinning, thickening & strain

Report Generation

- Cost estimation reports (maximum material utilization & product piece cost)
- Formability reports (thickness, thinning & FLD)