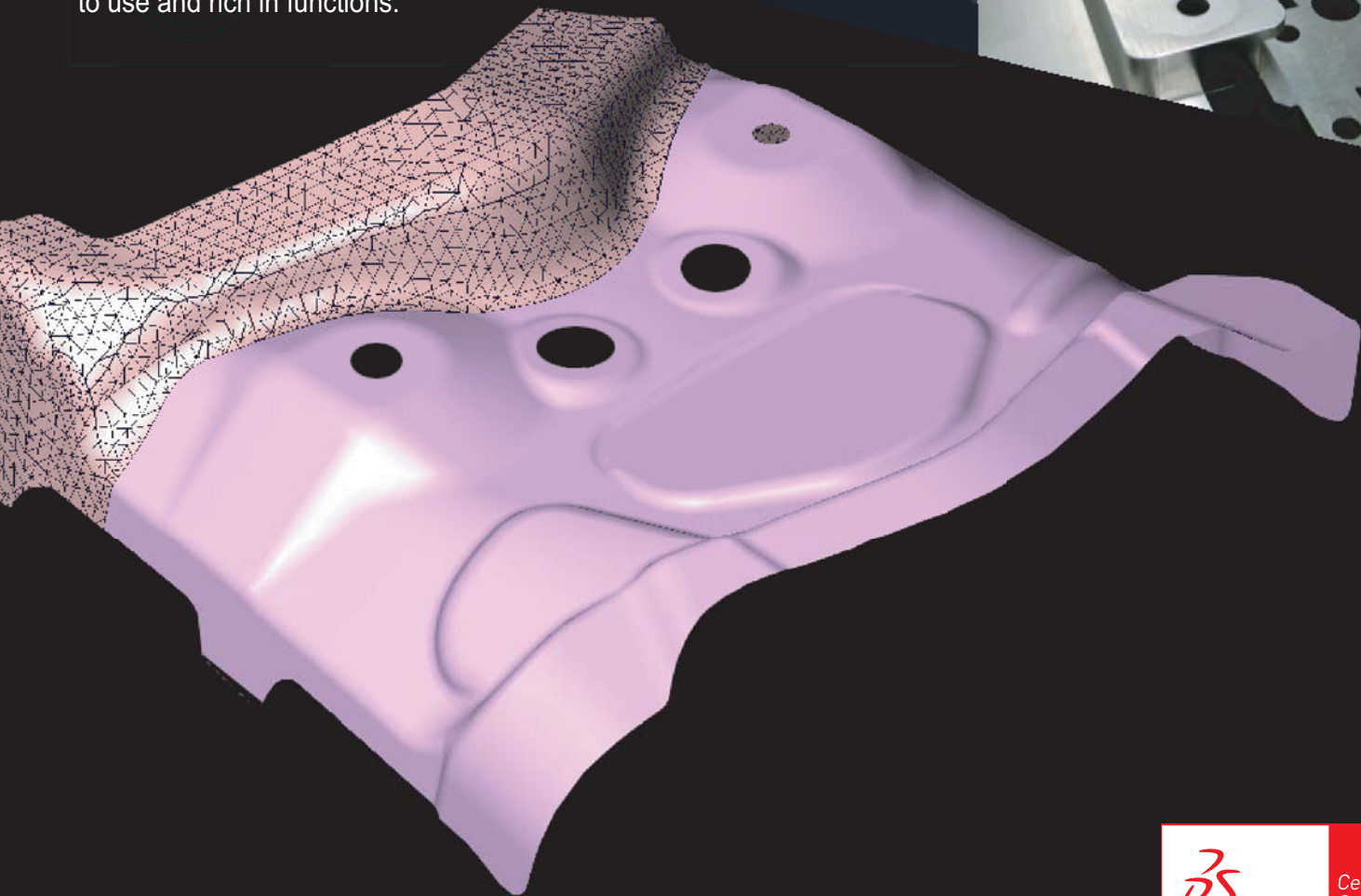
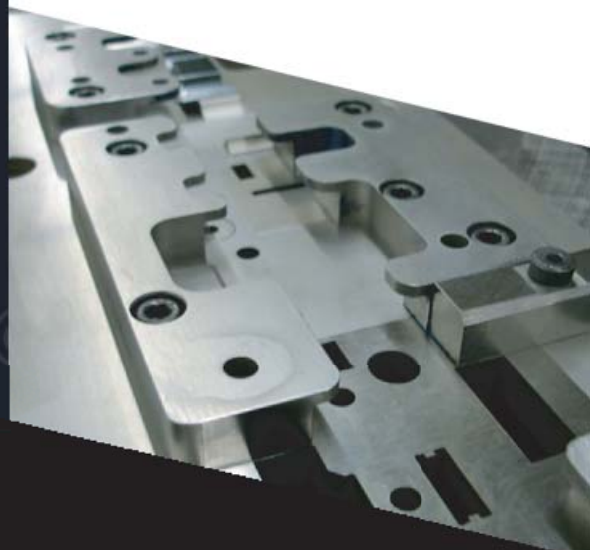


3DQuickForm is a powerful SolidWorks® add-in application for inverse forming simulation. High speed, accuracy, and full associativity with SolidWorks® data are taken into consideration to make 3DQuickForm a production design tool for die designers. Users can either import different types of CAD data or build the die geometries in SolidWorks® environment for the forming studies. It helps OEM manufacturers, material suppliers, and die manufacturers to deliver precision tooling in the shortest time and with minimum physical try-outs.

The built-in mesher is automatic and allows user adjustment to meet needs in different situations. Tool designers may fully concentrate on the die design processes and virtual try-outs. Simulations are run in project driven manner and support multiple projects; thus streamlining design feasibility study, process simulation, and optimization. Simulation results are displayed to show initial blank shape, different material thickness, and stress/strain distribution. Customizable material database allows designers to test their design with different materials. Fully integrated with SolidWorks®, 3DQuickForm is easy to use and rich in functions.



3D Blank Development Tool for Die Designers



3D QuickTools Ltd.

www.3dquicktools.com

To Enable Tooling Engineers To Use The Power of 3D Design

Best-in-class

Features

3DQuickForm

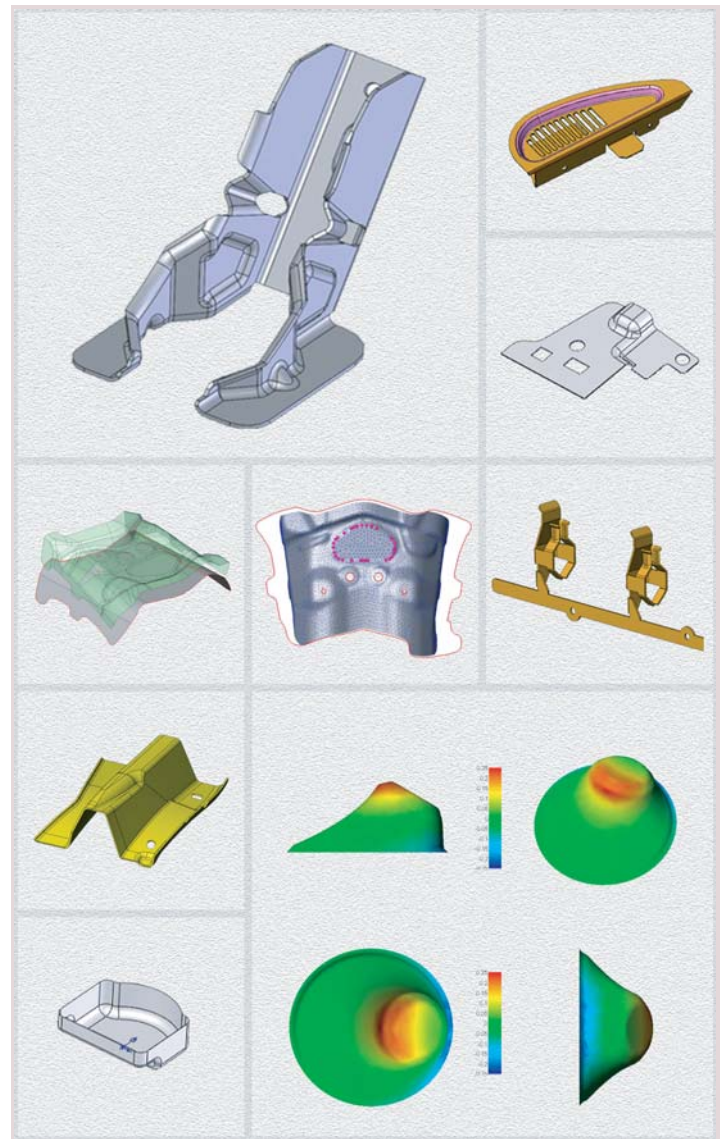
- ▶ Full range of CAD interfaces to read both imported 3D data or native data
- ▶ Special modeling tools for cleaning data
- ▶ Powerful modeling functions
- ▶ Fast & accurate blank shape generation
- ▶ Short learning curve
- ▶ Get blank contours of parts which cannot be folded/unstamped in traditional ways
- ▶ Fully integrated with SolidWorks to allow strip design in fully associative process
- ▶ Better communication results in less engineering changes
- ▶ Quickly compare multiple solutions for a stamped component
- ▶ Handle complex blank shapes and forming features
- ▶ Based on ESI technologies in metal forming
- ▶ Facilitate the material usage calculation in quotation phase
- ▶ Support fixed edges/faces
- ▶ Graphical plots of thinning and thickening of materials, stress/strain, etc.
- ▶ Report generation
- ▶ Customizable material database
- ▶ Complete integration with 3DQuickPress providing the blank shapes for die design process

3DQuickForm Professional

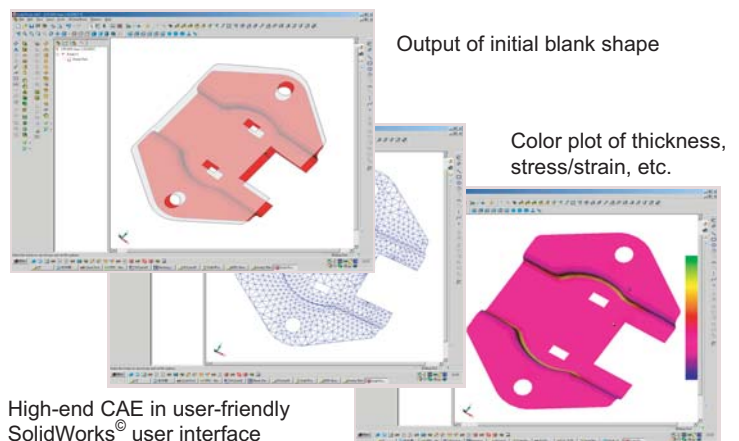
- ▶ All features in 3DQuickForm
- ▶ Part unfolded to non-planar initial blank
- ▶ Symmetrical Boundary Conditions
- ▶ Support Flanging

3DQuickForm Advanced

- ▶ All features in 3DQuickForm Professional
- ▶ Boundary conditions like drawbeads
- ▶ Support multiple-steps, blank holder, trim line
- ▶ Forming Limit Diagram (FLD)
- ▶ Springback calculation
- ▶ Stress report



Empowered by
ESI technologies



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