ETA’s ACP Forming Process is a multi-disciplinary approach based on design optimization. Using this process, ETA’s consulting team uses the most advanced technology, tools and materials to create the most formable structure possible within the given constraints. This allows the manufacturer to quickly develop and design a formable part, significantly reducing product development time & cost.

ACP Forming optimizes the following for forming:

- Bead force
- Blank size
- Binder pressure

An integrated incremental 3B (Draw Bead, Blank Geometry and Binder Pressure) forming and crash optimization approach balances forming parameters such as draw bead force and geometry, blank shape/size and binder pressure and then optimizes the product’s gauges to create the lightest, most structurally and cost efficient design possible that also meets the vehicle performance targets. It achieves this by optimizing the component design for formability while simultaneously validating vehicle crash performance.

For more information, email etainfo@eta.com.