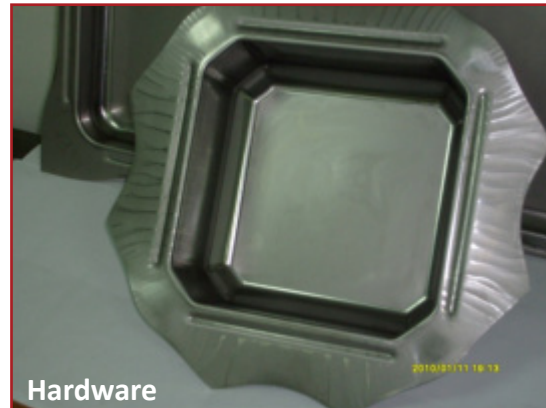
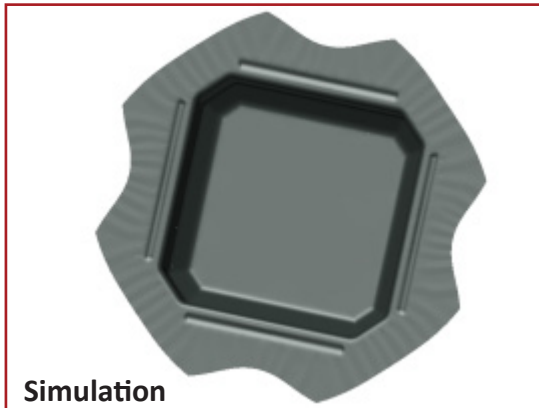


Analyze CAD Based Die Designs in NX

Consider formability early in the design cycle with CAE, in the NX environment.



Stretch Forming Simulation Results From D-Eval-in-NX

Since most tooling designs are done in a **CAD environment**, DYNAFORM's D-Eval-in-NX Module was specially created to **support and analyze CAD based tooling** and engineering designs within the native NX environment.

A **CAE solution**, D-Eval-in-NX is tailored to support engineers in the early stages of the product design cycle. It allows engineers to **take manufacturability into consideration early in the design process**, ahead of the tooling stage.

D-Eval-in-NX includes the INCSolver, which allows engineers to **generate reliable formability results** efficiently. The INCSolver is a nonlinear transient dynamic finite element program using an explicit method to **solve equations of motion, commonly called "incremental code"**. It was developed solely for the purpose of simulating sheet metal forming processes.

Using Shared Memory Processing (SMP), users can **take advantage of the multiple-CPU's, Multiple-Cores and Multiple-Threads** of the latest Windows computing platform. This allows for quick and reliable results. For most cases with a 4-core CPU, results can be generated in just minutes.

The INCSolver works well with non-connected mesh generated from non-conforming CAD surfaces. This solution is most suitable for CAD engineers and is **directly operated in the native NX environment**. In addition, the INCSolver's features and functions are excellent for early stage tooling evaluation are **very simple to learn** and use.



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