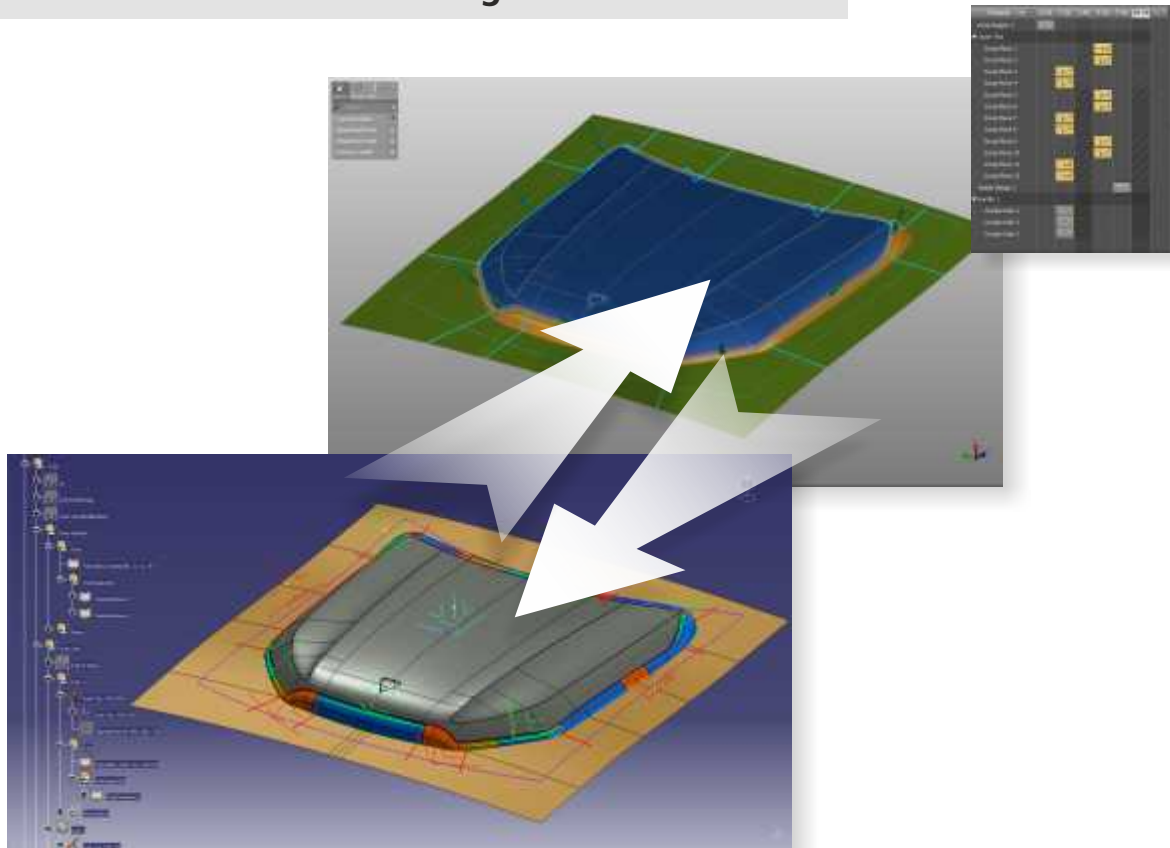# AutoForm-QuickLink ^forCATIA

Software for Fast and Easy Interoperability Between AutoForm Forming and CATIA

- ▶ Selective import and export of geometry and process data between AutoForm Forming and CATIA
- ▶ Improved data consistency, transparency and usability
- ▶ Speedup of CAD design process
- ▶ Efficient prevention of downstream problems and defects
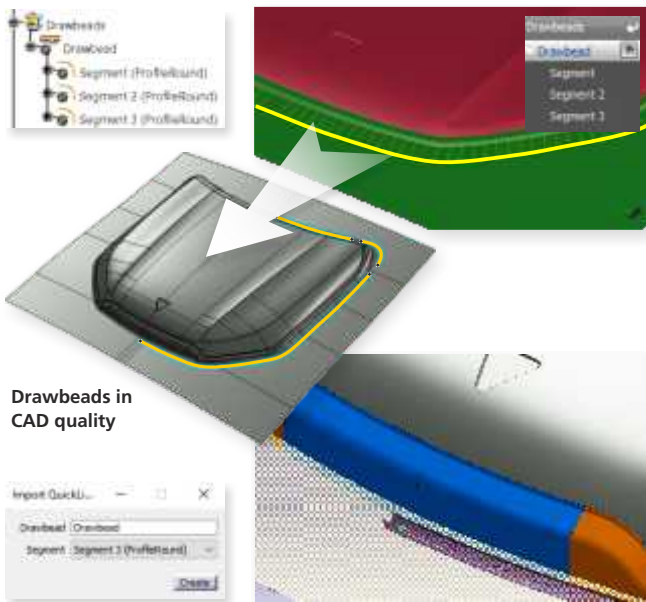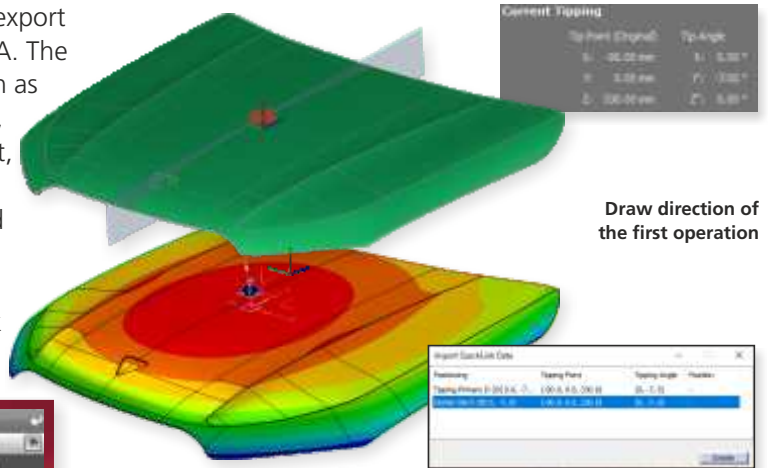- ▶ Supply chain support

AutoForm

Forming Reality

AutoForm-QuickLink^{forCATIA}

Bi-Directional Data Transfer Between AutoForm Forming and CATIA

AutoForm-QuickLink^{forCATIA} ensures seamless data exchange between AutoForm Forming and CATIA. As a result, process design departments are able to enhance their work efficiency through more effective collaboration with both in-house and external departments.

AutoForm-QuickLink^{forCATIA} enables users to easily export the process data from AutoForm Forming into CATIA. The exported data includes: concept geometry data such as surfaces (die, form and wiper tools), curves (profiles, drawbead lines and material zones) and points (pilot, sphere and spacer groups and clamps), project information, material information such as name and thickness, as well as process information such as operations, positioning and cam direction. In addition, users can export results such as formcheck and simulation results.

Draw direction of the first operation

Drawbeads in CAD quality

AutoForm-QuickLink^{forCATIA} allows for interoperability between AutoForm Forming and CATIA. Process information, such as part position, tipping, cam directions and geometries, can be shared.

Based on the imported process data, AutoForm-ProcessDesigner^{forCATIA} allows users to rapidly design the process, in particular to generate CAD quality surfaces in CATIA. Process design results generated in CATIA can then be easily exported back for the final validation in AutoForm Forming.

Due to the automatic and consistent naming of imported and exported features, AutoForm-QuickLink^{forCATIA} leads to a significant speedup of the CAD design process and efficiently prevents errors which may occur during manual import and export operations. AutoForm-QuickLink^{forCATIA} ensures efficient data exchange and improves data consistency, transparency and usability.

With AutoForm-QuickLink^{forCATIA}, drawbead parameters can be imported into AutoForm-ProcessDesigner^{forCATIA} to efficiently support drawbead generation in CAD.

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