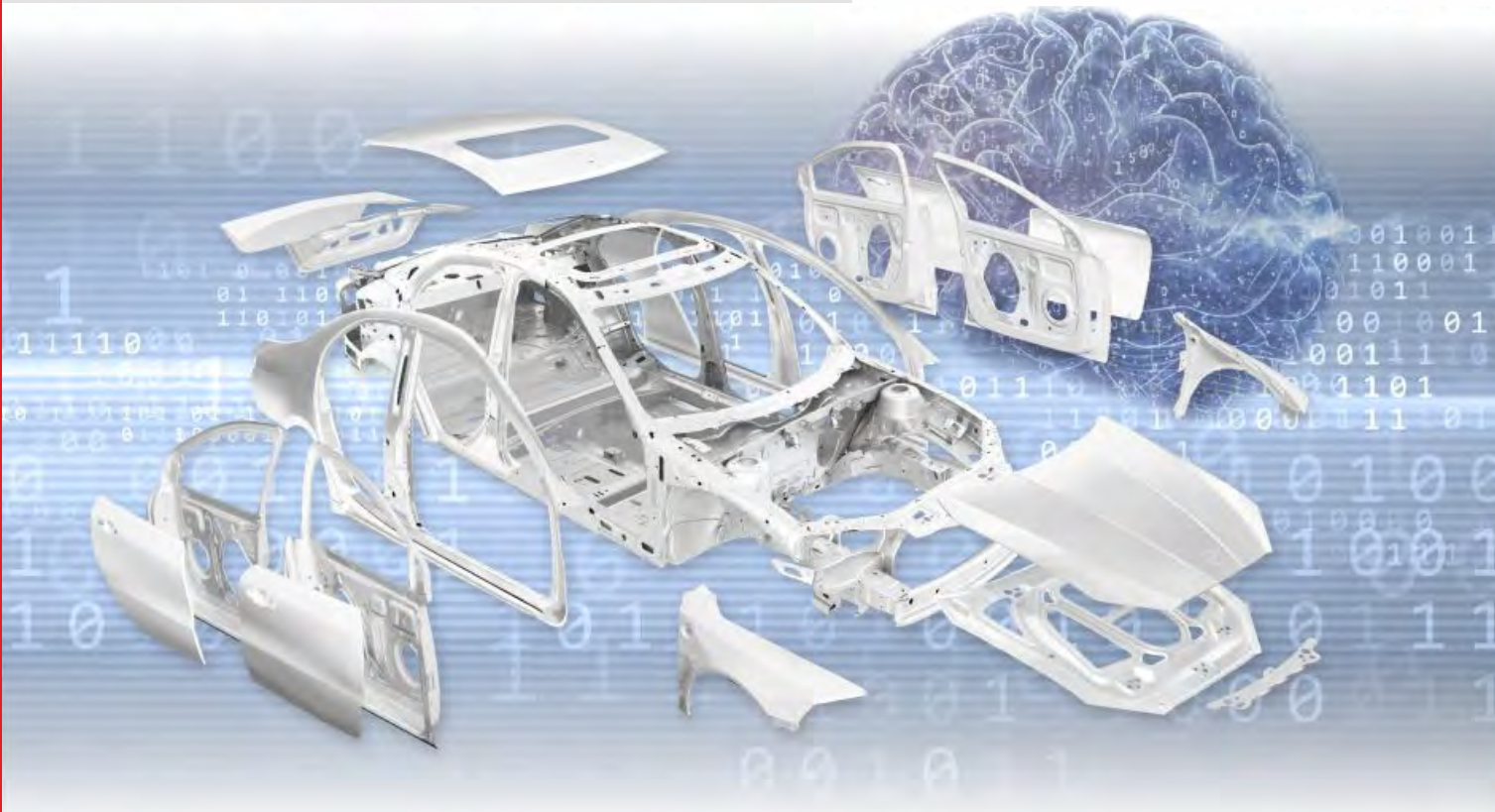


AutoForm- CarBodyPlanner

Web-Based Solution for Feasibility and
Optimized Material Utilization



- ▶ Increased efficiency through a significant reduction of time required for early cost estimations
- ▶ Improved accuracy resulting from reliable estimations powered by smart knowledge engineering
- ▶ Tangible cost savings enabled by rapid identification of optimization opportunities
- ▶ Consistency and company-specific standardization across all projects and teams
- ▶ Enhanced collaboration between teams through cloud offering



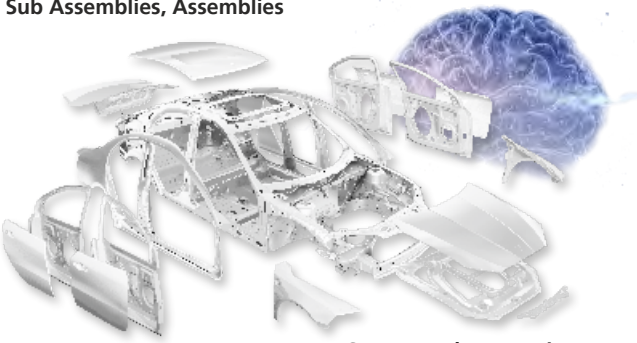
AUTOFORM
Forming Reality

AutoForm-CarbodyPlanner

Software as a Service (SaaS) Solution

AutoForm-CarBodyPlanner is a fully web-based solution that enables engineers to quickly evaluate part feasibility and optimize material utilization in the early stages of the BiW process chain. The software is offered exclusively as Software as a Service (SaaS) through AutoForm Cloud.

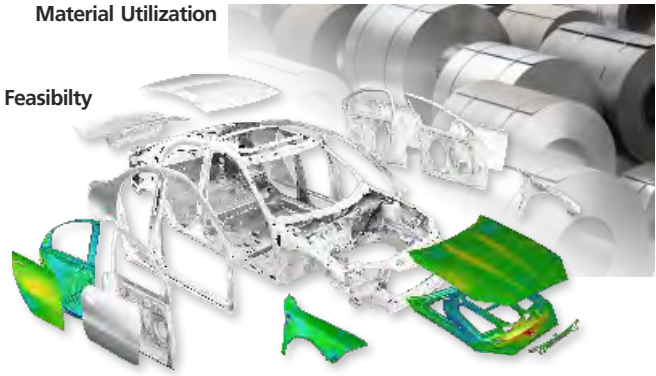
CAD: Individual Parts, Sub Assemblies, Assemblies



Smart Batch Processing

Material Utilization

Feasibility



Traditionally, engineers have conducted part feasibility assessments and material utilization analyses using a time-consuming, part-by-part approach. Depending on the project, this part-by-part approach can take several weeks, or even months to complete. Often, teams must manage a large number of parts under extremely tight deadlines, relying heavily on a few key experts. Ultimately, these challenges create commercial risks for both OEMs and suppliers, affecting profitability and project viability.

AutoForm-CarBodyPlanner enables users to effectively overcome these challenges with its powerful batch processing functionality. This core capability allows users to automatically and simultaneously calculate multiple parts, generating valuable outputs such as formability assessments, blank shapes, and optimal material utilization through blank nesting. The solution fosters seamless collaboration by allowing teams to work with a shared, consistent set of data throughout the project.

In addition, the solution excels in smart automation, enabling accurate prediction of process parameters relevant for the current project. These parameters are extracted from the historical knowledge base using advanced geometry mapping technology, enabling users to seamlessly transfer valuable knowledge and data from past projects into current ones. With these refined inputs, users can run physics-based calculations to estimate formability and material utilization.

What sets AutoForm-CarBodyPlanner apart, and enhances the accuracy of its results, is its unique hybrid approach. Unlike systems that depend solely on historical data or rely entirely on physics-based calculations, AutoForm-CarBodyPlanner intelligently combines both. This integration delivers greater accuracy and efficiency in feasibility studies and optimal material utilization.

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