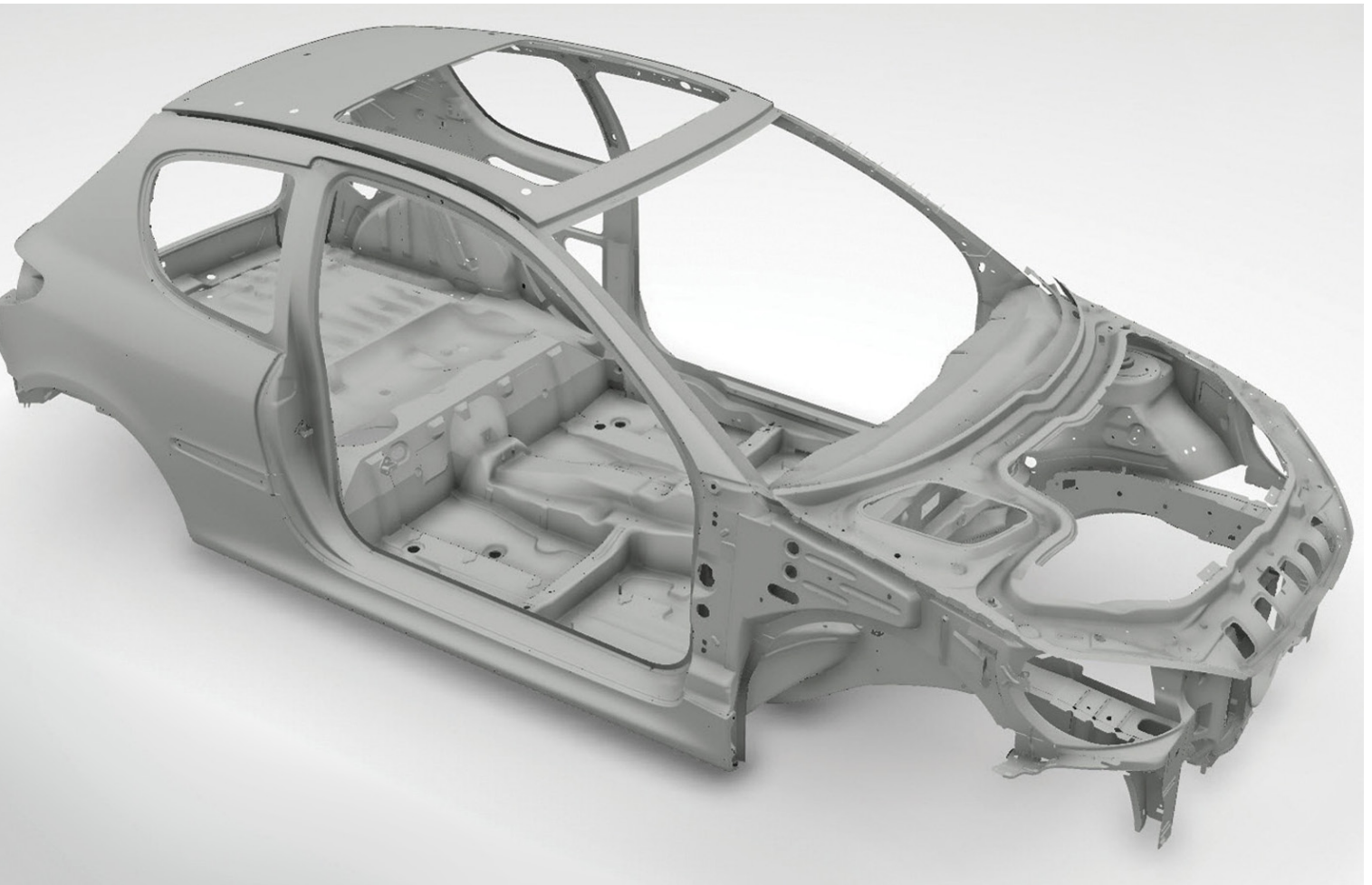


FASTENER PROCESS PLANNING

Datasheet



FASTENER DEFINITION AND PLANNING IN THE CONTEXT OF THE MANUFACTURING SETTING:

DELMIA FASTENER PROCESS PLANNING DELIVERS THE ABILITY TO GENERATE AND VALIDATE A PROCESS STRUCTURE FROM A PRODUCT STRUCTURE THAT INCLUDES FASTENERS WITH MULTIPLE OPTIONS.

DELMIA Fastener Process Planning (BPP) provides seamless access to the product designer's fastener definition, intuitive management of fasteners, and automatic selection of weld guns to provide collision-free access to all fasteners in a process.

Planners can plan, optimize, and validate the assembly and fastening process in a virtual model of the physical manufacturing setting.

INCLUDE FASTENERS IN THE MANUFACTURING ASSEMBLY DEFINITION

While defining manufacturing assemblies, users of DELMIA Fastener Process Planning can work directly with the fastener data authored by the product designer. By sharing the same platform and data types, iterations between design and manufacturing planning are seamless.

QUICKLY IDENTIFY UNASSIGNED FASTENERS

A typical automobile has five to eight thousand fastener points that have been defined by product engineering. Ensuring that each and every point is assigned to a process plan has been a daunting task - until now. DELMIA Fastener Process Planning provides an assignment assistant to identify unassigned fasteners for assignment to the proper process step – the first step in which all the parts joined by that fastener are present. Once identified, the planner can choose to allocate the fastener to that step of the process plan or to another step as circumstances dictate.

AUTOMATICALLY SELECT WELD GUNS

Finding the right weld gun is simplified with an automatic tool selection assistant. It automatically checks the weld gun library and presents users with a list of guns that offer collision-free access to all the welds in the defined trajectory.

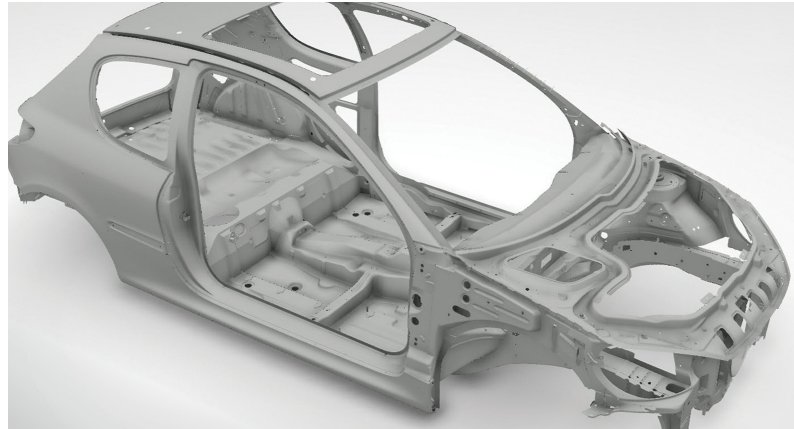
PRODUCT HIGHLIGHTS

- Ability to fix Fastener Process position in the assembly graph
- Support linear, curve fasteners in manufacturing planning
- Validate accessibility for manually selected weld guns
- Perform weld gun and robot feasibility studies
- Directly access product and fastener data
- Generate process structure based off of product structure
- Experience fastener definition in 3D in the context of the shop floor
- Single IP platform

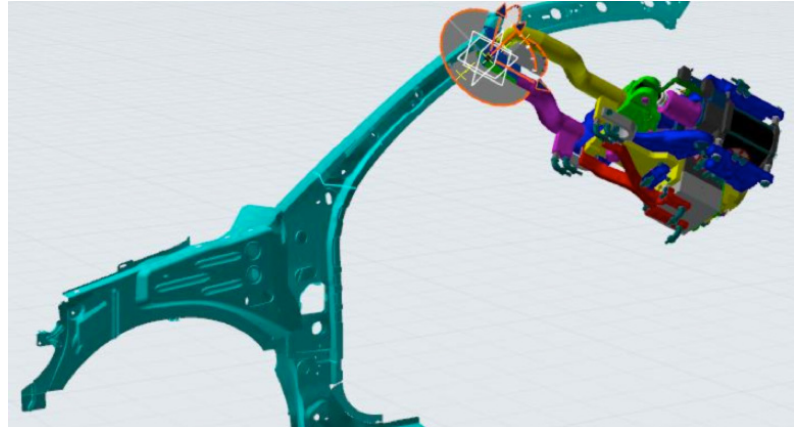
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Work with the fastener data authored by the product designer.



Planners can easily validate the manufacturing assembly against the as-designed data.