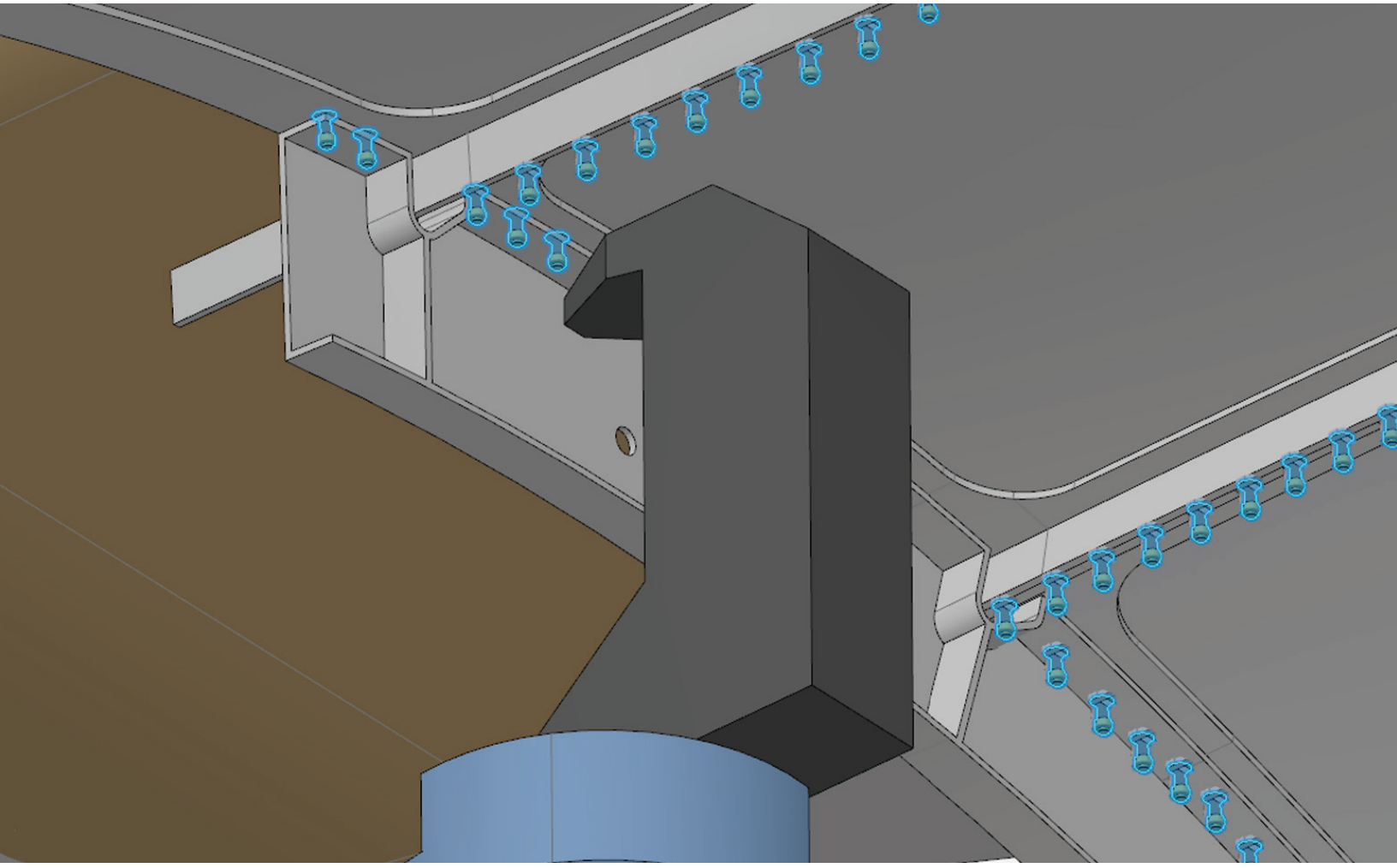
DASSAULT SYSTEMES

DELMIA

DRILL & FILL ENGINEER

3DEXPERIENCE MANUFACTURING & PRODUCTION ROLE



PROGRAM COMPLEX DRILLING AND RIVETING MACHINES

Drill & Fill Engineer creates, simulates and validates complex drilling and riveting programs on cells.

Drill & Fill Engineer delivers a 3D environment to create, simulate, validate and optimize programs for complex drilling and riveting machines driven by an NC Controller. Fastener definitions issued from associated design and planning data can be created and operations can be viewed step by step in the correct manufacturing context. Current information about machining resources, programs and machine tool setup is easy to access. Important, up-to-date information can be shared with other stakeholders in the enterprise.

Accurate fastener management

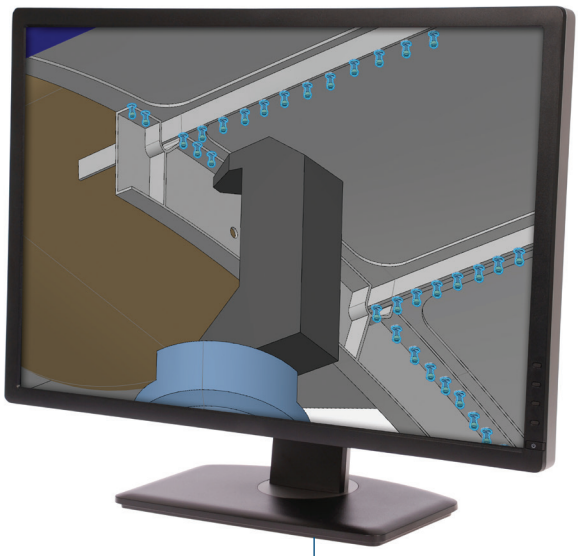
Instant collaboration between design, planning and manufacturing and real-time updates help to accelerate the production cycle. NC programmers can work faster and with greater precision as they visualize and validate the process in the virtual 3D environment and generate NC machine instructions.

Automatic toolpath updates

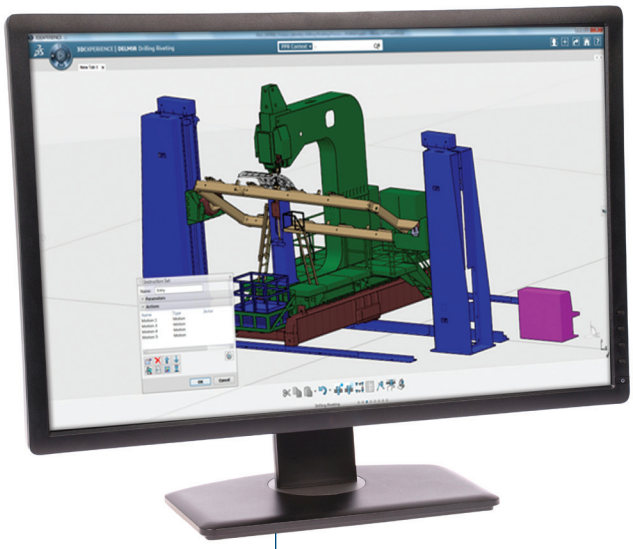
As products are modified or process plans changed, the toolpath is automatically updated to reflect the most current data.

Early problem detection

Offline machine programming, simulation and validation in the **3D**EXPERIENCE® platform exposes manufacturing and tooling problems early in the process. Changes can be made quickly and less expensively. Rework and production delays are dramatically reduced.



View operations step by step in the manufacturing context



Visualize and validate the process in the virtual 3D environment

Role Highlights

- Groundbreaking **3D**EXPERIENCE platform
- Ability to add customer manufacturing information to fasteners
- Fastener definition from geometry definition
- Flexible management of fasteners
- Validation of operation completeness
- Multi-process operation definition including specific simulation and output generation
- Automatic positioning detection
- Powerful simulation capabilities for early validation
- Collision simulation and management

Our **3D**EXPERIENCE Platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the **3D**EXPERIENCE Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 190,000 customers of all sizes in all industries in more than 140 countries. For more information, visit **www.3ds.com**.

3DEXPERIENCE®

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