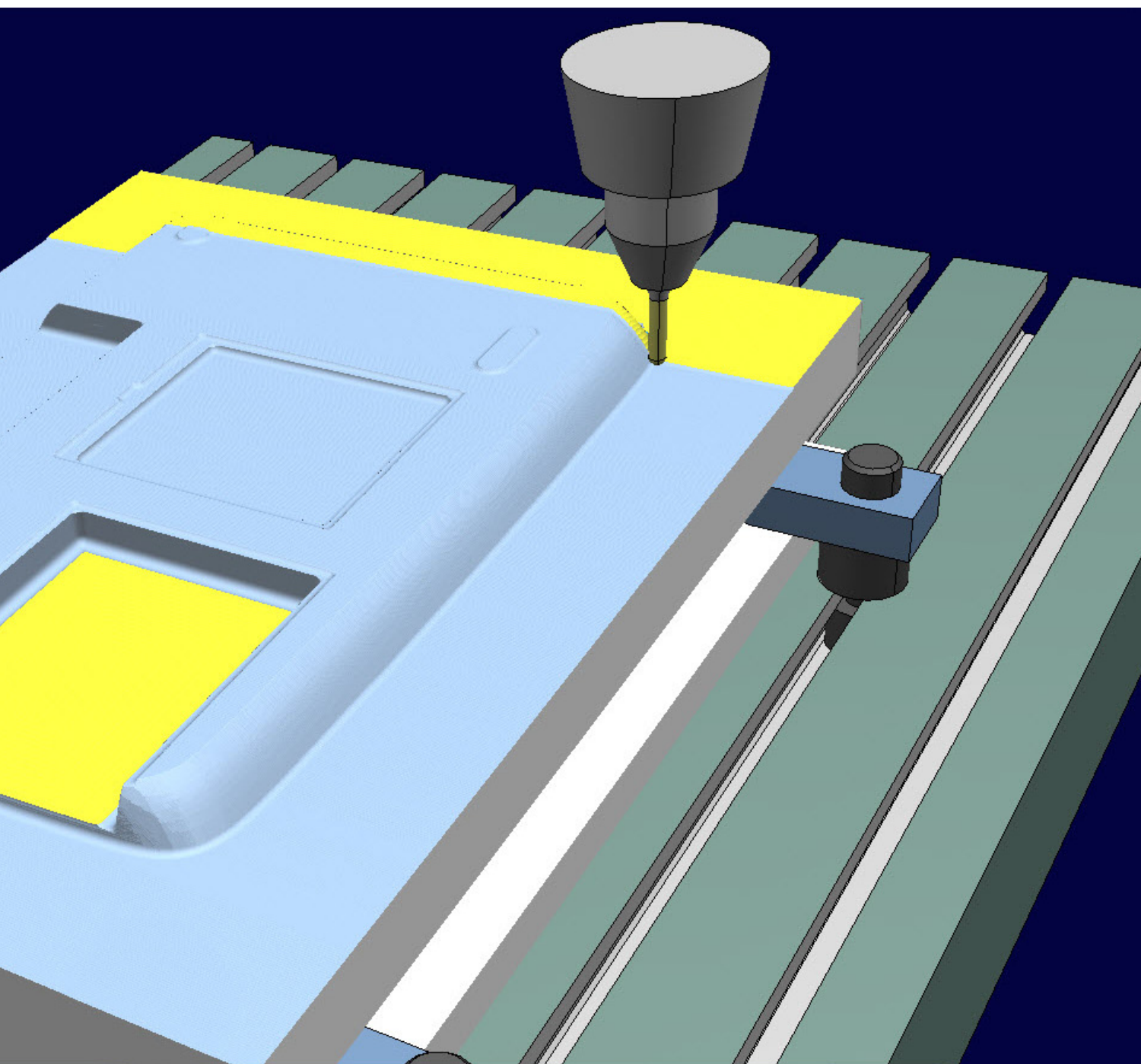


# MOLD MACHINING

HIGH TECH

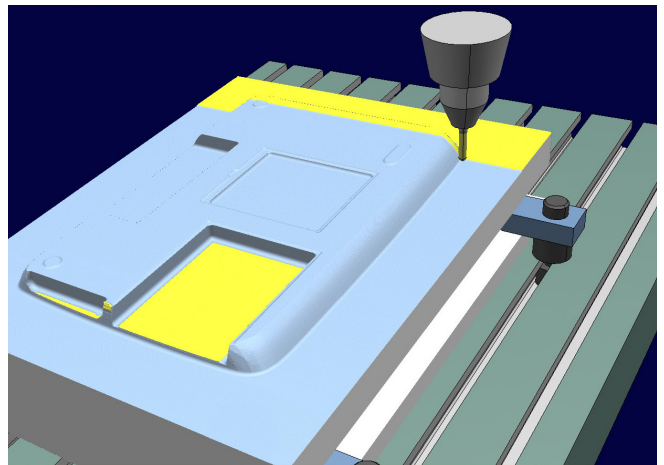


# Simulation at the Heart of Programming

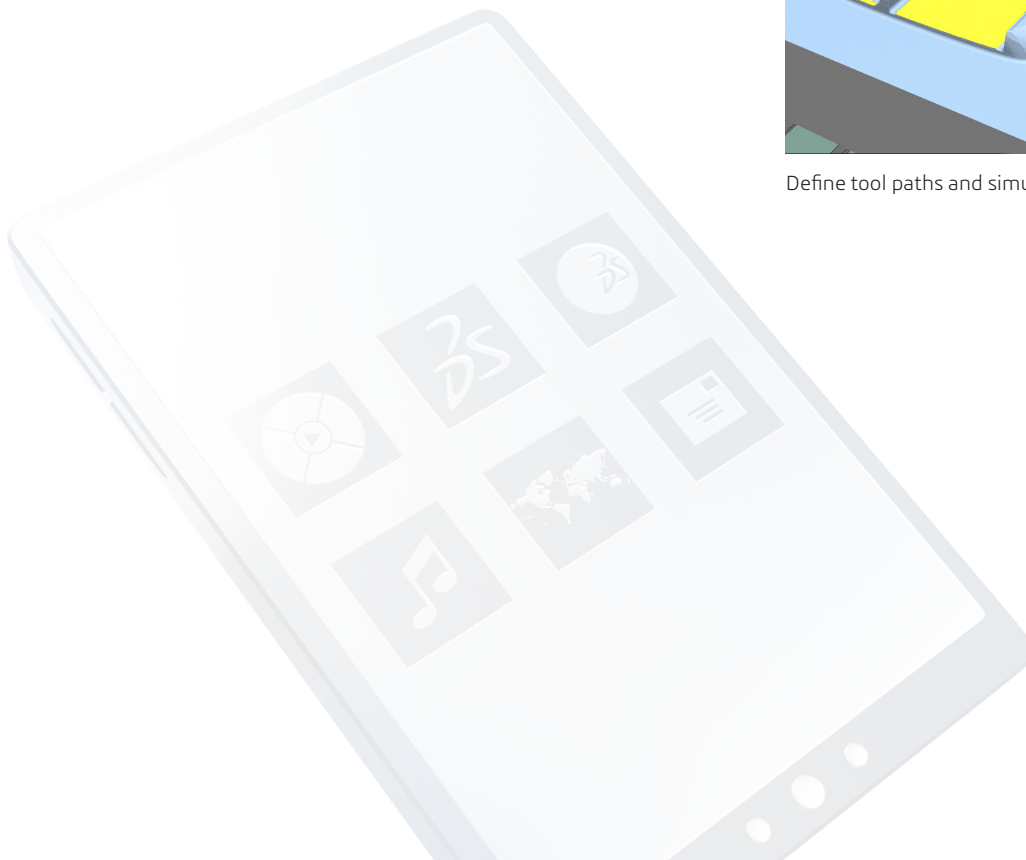
*DELMIA's Mold Machining solution for the High Tech Industry can drastically reduce NC programming time through automation of the machining process.*

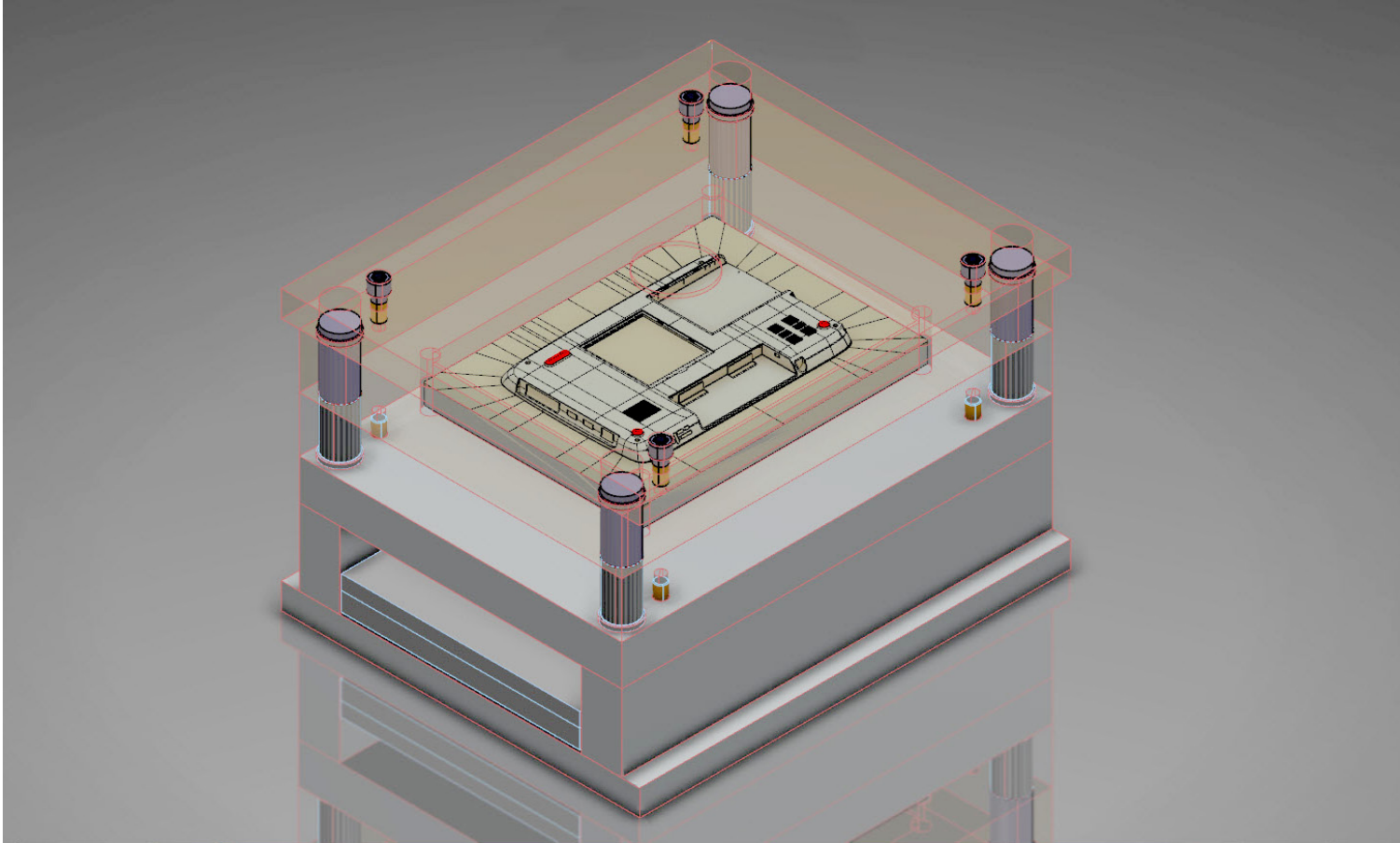
DELMIA's High Tech Mold Machining solution maximizes revenue and grows market share by enabling contract manufacturers to efficiently program their machines and effectively manage the lifecycle of the programs and processes to machine molds.

DELMIA's High Tech Mold Machining offers "Best-in-Class" surface machining quality and ensures collision-free tool paths. This includes the latest techniques to cut complex molds in hard material to optimize tool paths and tool life. The solution enables contract manufacturers to program, simulate and optimize their machining processes through tight integration of tool path programming with machine tool simulation. NC programmers can identify and resolve errors in tool paths earlier and reduce programming lead times. Machining templates can be reused to dramatically reduce the development of tool paths.



Define tool paths and simulate tool motion.





Ensure collision-free tool paths.

## INDUSTRY CHALLENGES

- How to decrease mold development time?
- How to meet customer expectations in molded part surfaces?
- How to optimize manufacturing processes while maintaining quality and flexibility?
- How to collaborate between design, manufacturing and the shop floor across an extended enterprise?

## SOLUTION HIGHLIGHTS

- Latest techniques to cut complex molds in hard material to optimize tool paths and tool life
- Reuse predefined machining templates for milling operations
- Standard machining processes for drilling operations
- Define tool paths and simulate tool motion
- Evaluate alternative machining strategies

## SOLUTION VALUES

- Improve mold development process with design for manufacturing and efficient change management
- Drastic reduction of NC programming time through automation of the machining process and templates reflecting the user experience
- Collision-free tool paths
- Decrease polishing (high-quality tool path)
- Minimize errors and ambiguity in NC programs
- Increase manufacturing flexibility for order fulfillment

## USERS

- NC Programmers



## Delivering Best-in-Class Products



Virtual Products



Model and Simulate our Planet



3D Design



Information Intelligence



Realistic Simulation



Dashboard Intelligence



Digital Manufacturing and Production



Social Innovation



Collaborative Innovation



3D Communication

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### About Dassault Systèmes

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