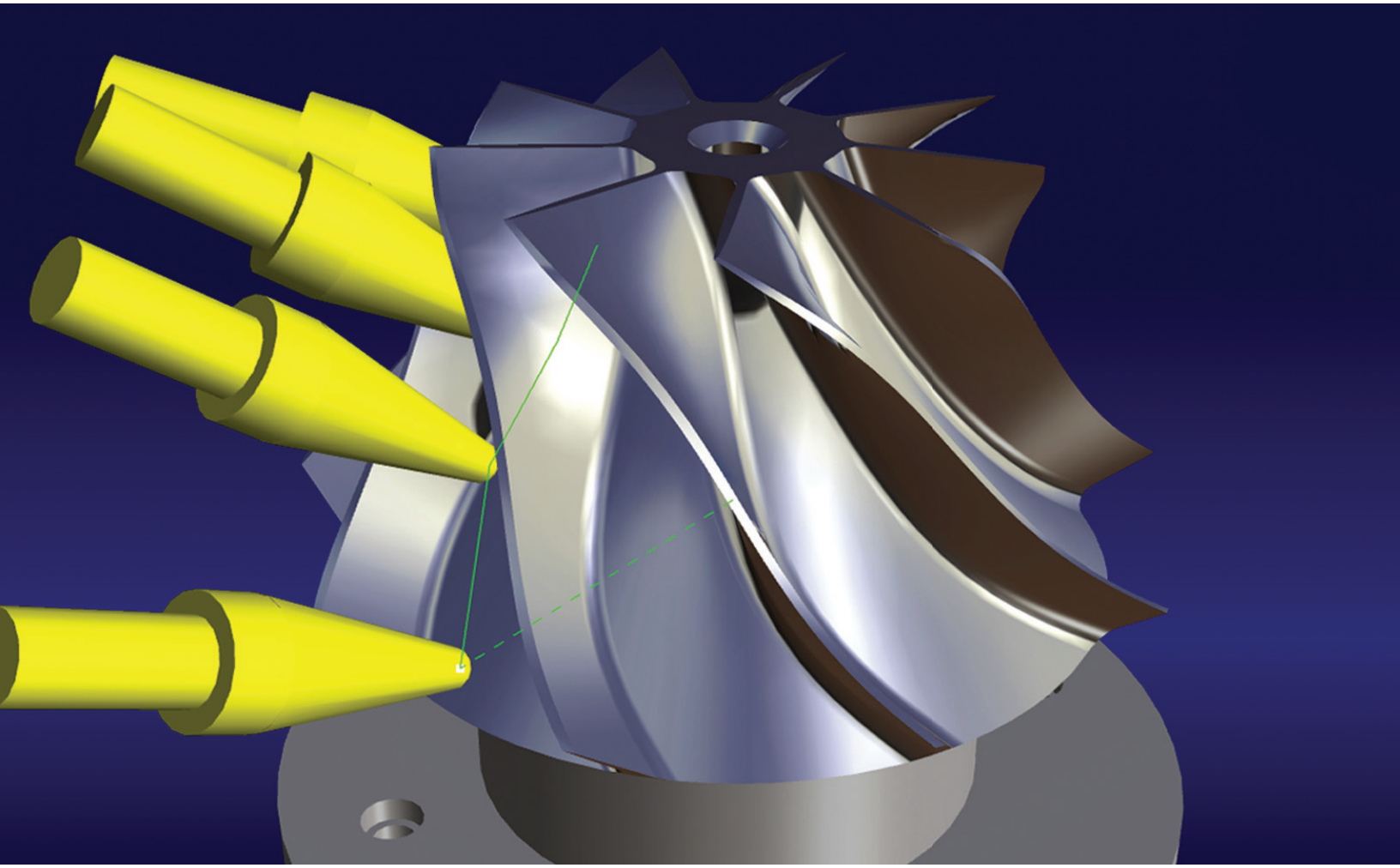
DASSAULT SYSTEMES

DELMIA

NC MULTI-AXIS MILLING PROGRAMMER

3DEXPERIENCE MANUFACTURING & PRODUCTION ROLE



PROGRAM ADVANCED MULTI-AXIS MILLING MACHINES

NC Multi-Axis Milling Programmer creates, enhances and validates multi-axis milling programs.

NC Multi-Axis Milling Programmer delivers the ability to program machines to perform advanced prismatic milling using 2.5 and 3-axis operations. 5-axis Motion is an option as well. Powerful operations control the machining of complex, highly specific areas. Enterprise intellectual property can be captured and leveraged for collaboration with other stakeholders as they develop NC toolpath programs. NC Multi-axis Milling Programmer provides a complete range of multi-axis milling strategies, speeding and simplifying the programming of complex multi-cavity parts with a high level of automation. It includes a full set of features for workpiece setup, cutter tool assembly, and toolpath simulation that include material removal and NC code generation.

Improve machine tool utilization

A wide range of operations and strategies helps programmers create toolpath programs that reduce non-value added motion.

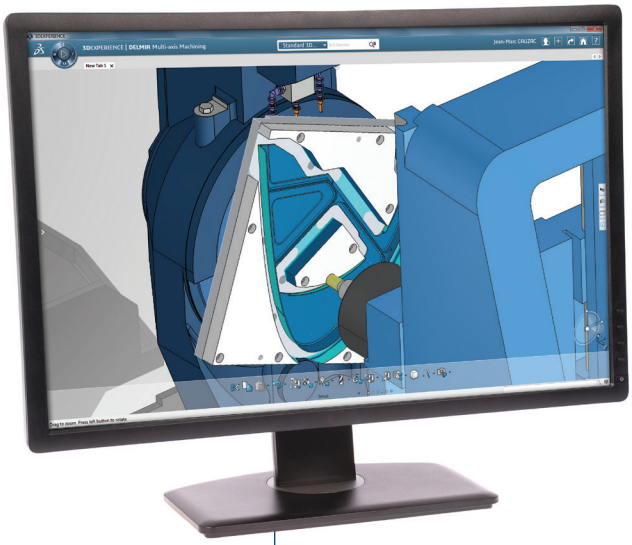
Mitigate risk to production

Realistic 3D presentation enables programmers to create fine-tuned NC programs in the manufacturing context including NC machine, cutter, tool assemblies, NC accessories and other elements. This provides a better understanding of the machining cell and ensures that the toolpath and machining strategy take the tool's physical environment into account. It reduces the risk of unexpected issues and production delays.

Accelerate NC programming

NC programs for multi-axis milling machines can be quickly authored and edited using powerful automated tools, capabilities and functions. Dedicated multi-pocket operations are delivered for efficient machining of 80 percent of the part with a high level of automation. Powerful operations, such as Flank Contouring or Multi-Axis Curve with Interpolated Tool Axis, give NC Programmers full control for machining very specific areas. Enterprise IP is capitalized and recycled to make programming more efficient.

Create, enhance and validate advanced multi-axis milling programs



Create multi-axis toolpaths quickly and efficiently

A single design-to-machining solution to understand engineering changes

NC programmers are enabled with an unrivaled level of associativity between product engineering, manufacturing processes and resources. Companies can manage concurrent engineering and manufacturing flows more effectively and shorten the design-to-manufacturing cycle.

Role Highlights

- Groundbreaking **3D**EXPERIENCE® platform
- Setup Wizard and an immersive, context-based user interface
- Manage and program machining resources
- Automatic association of prismatic machining features with part design
- High-end strategies from roughing to finishing
- Dedicated operations that speed the programming of multi-cavity parts
- Powerful simulation capabilities for toolpath validation
- Seamless NC data generation (including NURBS output)

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**.

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