

NX CAM

Maximizing the value of your machine tool

Benefits

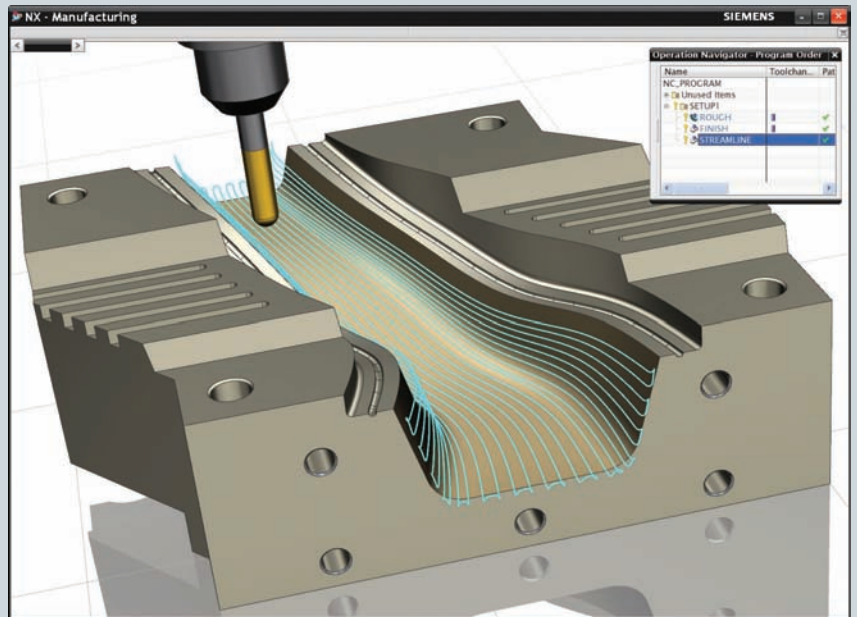
- Take advantage of the latest machine tool technologies and manufacturing processes
- Improve surface finish on parts
- Handle complex job requirements with ease
- Save up to 90 percent on programming time by automating routine tasks
- Minimize the time and cost involved in design changes
- Increase efficiency of NC programmers and reduce the need for extensive training

Features

- Advanced programming capabilities
- Programming automation
- Production ready output
- Ease of use
- Integrated solutions across manufacturing engineering and product design

Summary

NX™ CAM software delivers a complete and proven system for machine tool programming. NX CAM applies leading-edge technology and advanced machining methods to maximize efficiency of manufacturing engineers and NC programmers. As a single solution set for manufacturing engineering, NX offers options for CAD, CAM and CMM programming, as well as for tool design – all in one system.



Streamline tool path in NX CAM achieves smooth flowing passes in both steep and shallow regions, ensuring consistent surface finish.

NX

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NX CAM

The challenge

Innovative machines, such as high speed mills, mill-turn centers and the most advanced 5-axis machines, can deliver greater productivity and machine increasingly complex parts.

However, in many cases, the full value of this new equipment may not be obtained due to limitations in the CAM software being used to create your NC programs.

For example, a lack of advanced and proven part programming functions or incomplete postprocessor output can reduce your productivity.

Another issue is that NC programming may take longer than it should due to a lack of programming automation, limited reuse of proven methods and too much time spent on non-productive tasks such as fixing or rebuilding imported 3D part models.



The solution

An NC programming (CAM) system that has the power to drive your advanced machine tools is essential for maximum productivity.

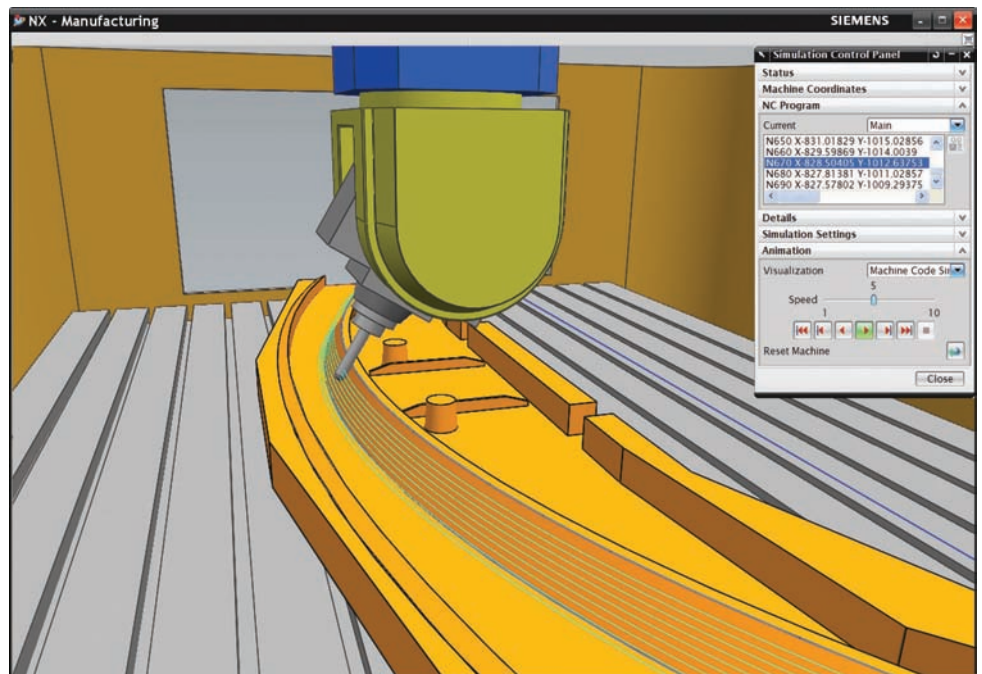
Automated programming and the easy application of standard methods and resources can save time and reduce overall production costs

An integrated set of the latest, most advanced CAD functions inside the CAM software can save significant time when working with any 3D geometry allowing more time for better NC programming.

The NX CAM Advantage

NX CAM offers a wide range of proven, flexible NC programming capabilities across many machining functions, combining advanced capability with process automation, ease of use and production ready output – all of which can be achieved in your NX environment.

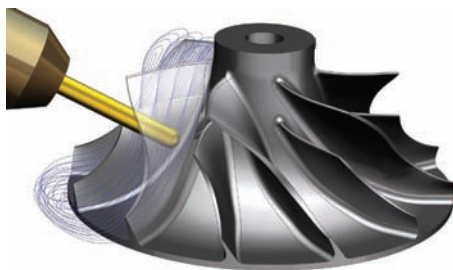
NX provides an unmatched range of design and manufacturing applications all in the same system, all working from the the same 3D model.



Advanced programming capabilities

Drive your machine tools with maximum capability.

- One CAM system for all applications
- Ability to program complex parts with the flexible and accurate 5-axis machining
- Maximum material removal to support your high-speed machining strategies
- Ability to drive the latest generation of multi-function machines
- Ability to complete the part with a superior surface finish

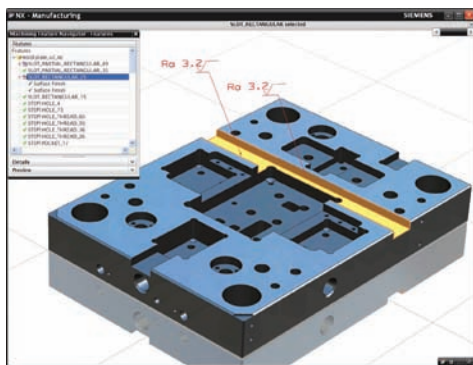


NX Turbomachinery Milling helps you program blisks and impellers with expert results.

Programming automation

Reduce programming time by 90 percent.

- Automatically recognize machining features, including pockets, slots and holes
- Build the correct machining process from a library of operations
- Use PMI model data to drive machining process selection
- Use the machining knowledge editor to add new operations

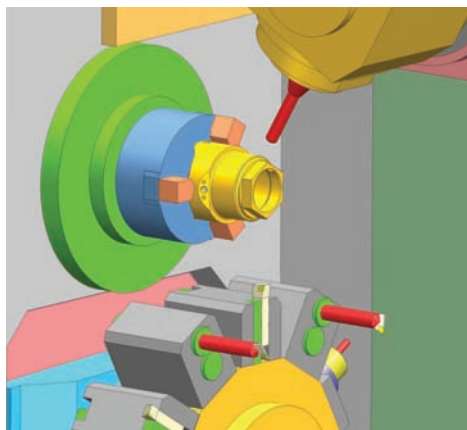


NX CAM recognizes machining features – pockets, slots and holes of any type and complexity.

Production ready output

Machine right first time at the machine tool.

- Internal postprocessor
- Extensive online postprocessor library
- Integrated G-code driven machine tool simulation
- Pre-configured machine tool support kit that includes 3D machine tool model, postprocessor, G-code based simulation driver – all specific to your controller and machine

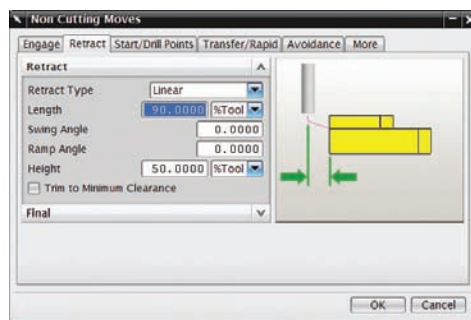


Validate machine tool motions with the G-code driven simulation in NX CAM.

Ease of use

Leverage the latest user interaction techniques for easy access to the power of NX CAM.

- Scalable user-interface
- Manufacturing setup templates
- Workflow tutorials
- Intuitive user interface with dynamic graphic display

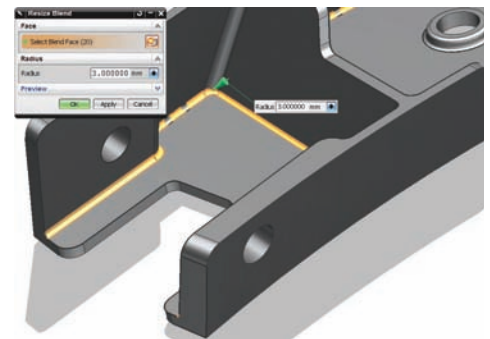


Images provide visual feedback for dialog options.

Integrated solutions

Implement a manufacturing engineering solution all in one system.

- Complete NX CAD/CAM software packages
- Ability to work with any standard format CAD data
- Full associativity between the part and its machining operations
- Applications for part preparation, tool and fixture design, inspection programming and CAM all in NX



Edit any part model regardless of who created the original or how it was created by using synchronous technology in NX.

Siemens PLM Software's part manufacturing solution

When more than just a CAM package is needed, NX CAM can be deployed within an integrated part manufacturing solution that spans tool and fixture design, inspection programming, tool libraries, data management, process planning and extensions for shop floor connections.

Siemens is also a proven manufacturer of shop floor technology including machine tool controllers.

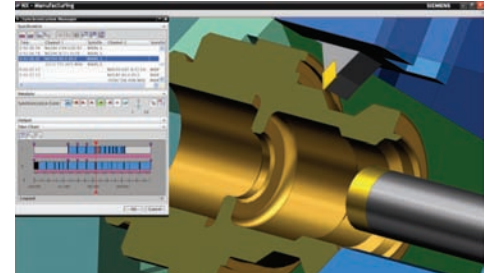
NX CAM provides specially optimized postprocessor output and options for advanced machining simulation to enable you to take full advantage of the power of Siemens Sinumerik controllers.

How do I get started?

If you would like to hear more about the way these products and services can help you achieve your business goals, please contact your Siemens PLM Software representative today and let us work with you to determine the best way to get started.



Our part manufacturing solutions combine PLM software manufacturing engineering applications with Siemens Motion Control (MC) software and technology to help businesses build and execute better manufacturing plans for more efficient production.



NX CAM enables you to maximize the value of your production equipment.

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