

# NC PRISMATIC & TURNING PROGRAMMER

## 3DEXPERIENCE MANUFACTURING & PRODUCTION ROLE

### PROGRAM 2.5 AXIS MILLING MACHINES AND ADVANCED MILL-TURN MACHINES

NC Prismatic & Turning Programmer creates, optimizes and validates prismatic milling and turning programs.

NC Prismatic & Turning Programmer delivers the ability to program milling and turning machines to produce 3D parts that require advanced 2.5-axis milling and turning operations. Complex multi-tasking mill-turn machines with synchronization and part transfer capabilities can be programmed in a realistic virtual workplace in the 3DEXPERIENCE® platform. NC Prismatic & Turning Programmer provides a full set of features for workpiece setup, cutter tool assembly, and toolpath simulation that include material removal and NC code generation. Enterprise intellectual property can be captured and used for collaboration between stakeholders to develop, validate and optimize NC programs.

## ACCELERATE NC PROGRAMMING

Users can quickly author and edit NC programs. Intuitive graphic dialog boxes, traffic light indicators for undefined machining parameters, and help icons for each parameter operation make the process highly efficient.

## PROGRAM MACHINES WITH POWERFUL MULTI-TASKING MILL-TURN CAPABILITIES

A wide range of operations and strategies help programmers create toolpath programs that reduce non-value-added motion. Optimized NC programs, including high-speed machining features, reduce overall machining cycle time.

## MITIGATE RISK TO PRODUCTION

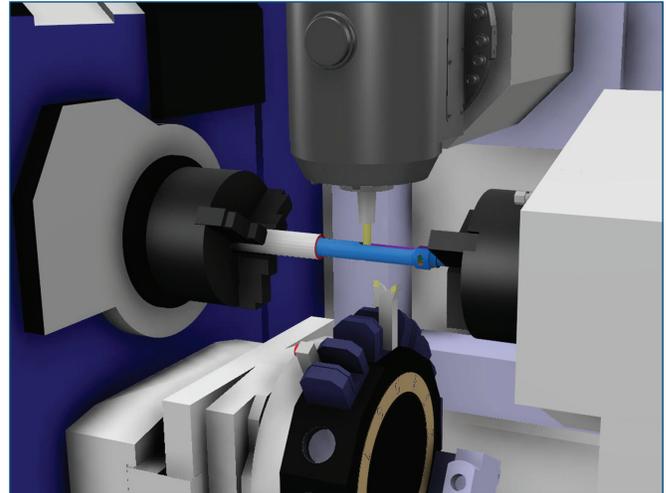
The 3D environment enables users to create optimized NC programs in the manufacturing context including NC machine, cutter, tool assemblies, NC accessories and other elements. This provides a better understanding of the machining cell and helps to ensure that the toolpath and machining strategy take the tool's physical environment into account. It reduces the risk of unexpected issues and production delays.

## ADVANCED SIMULATION CAPABILITY

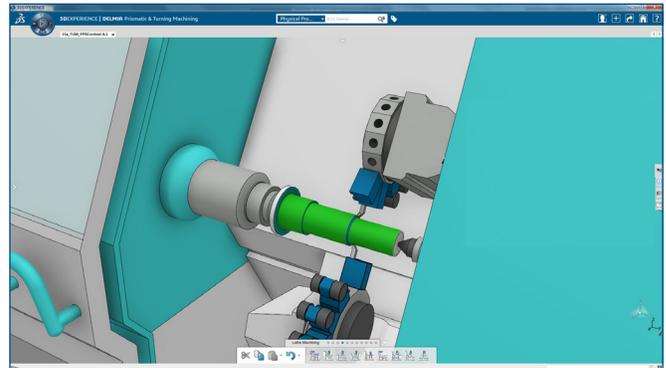
Users are able to program, optimize and validate the machining in the most efficient way. NC Programmers can identify toolpath errors earlier in the machining process and shorten programming time.

## ROLE HIGHLIGHTS

- Groundbreaking **3DEXPERIENCE**® platform
- Manage and program machining resources
- Automatic association of prismatic machining features with part design
- Creation and optimization of turning, 2.5-axis milling, drilling and probing operations
- New approach to re-use your existing programs
- Leverage intellectual property
- Seamless NC data generation



Create turning and machining tool paths quickly and efficiently



Program complex multi-tasking Mill-Turn machines with powerful automated tools

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

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