NX CAM 5 Axis Milling Add-On

Benefits
- Users can reduce setups with multi-axis milling
- Time saving templates control cutting motion and tool axis with a minimum of user input
- User control makes it possible to program virtually any 5-axis cut

Features
- Area patterns
- Contour Profile provides swarf cutting
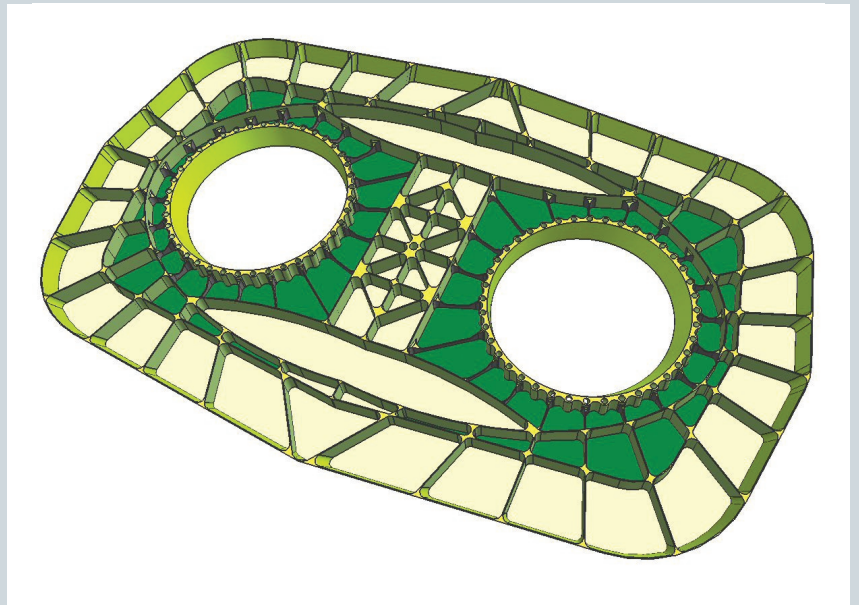- Sequential mill provides cut-by-cut user control

Summary
The NX™ CAM 5 Axis Milling Add-On provides extensive capabilities for simultaneous multi-axis cutting of complex surfaces. 5-axis milling in NX CAM includes multiple drive methods with a wide range of tool axis control options. 5-axis surface contouring and a set of tool axis interpolation options allow 5-axis machining on the most demanding of parts.

Tool tip cutting
You can trace area patterns across complex geometry while specifying tool axis lead and lag relative to the surface normal.

Area patterns
All of the familiar 3-axis area clear patterns are provided with additional tool axis control. Raster cuts, offset patterns and interpolated cut strokes are all available.

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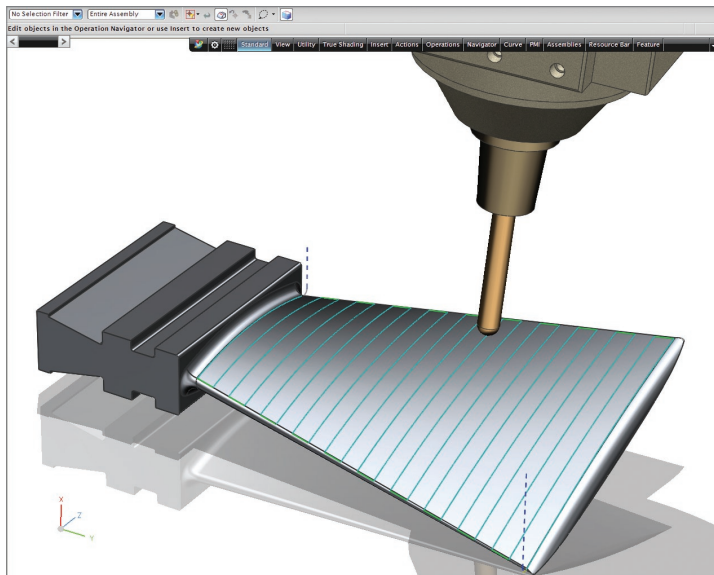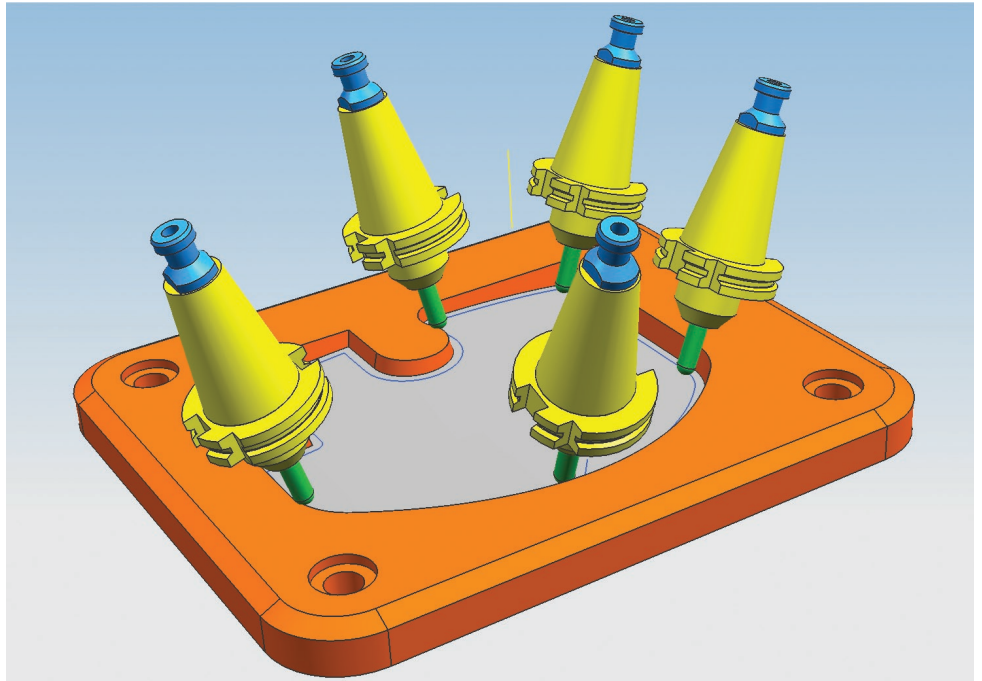# NX CAM 5 Axis Milling Add-On

Swarf cutting
You can keep the side of the tool aligned with selected faces while controlling tilt.

Automatic 3-axis tilt
NX CAM invokes automatic tool tilt as a reaction to tool holder collisions in deep cavities. Tilting the tool over to provide clearance for the holder facilitates cutting with shorter tools and keeping feed rates higher.

User control
NX CAM includes high levels of user controlled 5-axis milling. You can control multi-axis tool motion with traditional drive, part and check surface specifications. These flexible options make it possible to program virtually any 5-axis cut.