FeatureTURN/MILL

Support for lathes with C and Y axis milling capabilities and sub-spindles

FeatureTURN/MILL is an extension of FeatureTURN and incorporates both FeatureTURN and FeatureMILL2.5D With FeatureTURN/MILL, turning features and milling features can be conveniently ordered together in a single setup.

FeatureTURN/MILL provides several capabilities, including:

Support for lathes with C and Y axis milling capabilities and sub-spindles.

Drilling or milling features can be positioned on the face or on the OD of the part, and are easily programmed with the FeatureTURN/MILL feature wizard.

FeatureTURN/MILL contains all the milling features of FeatureMILL2.5D, including holes, slots, pockets, grooves, sides and patterns.

Milling features can be created on the OD and then wrapped around the parts Z-axis. This process takes the Y axis moves of a milling feature and translates them into C-axis rotations.

Simulations accurately reflect the rotation of the part during machining so that you can verify precise toolpaths on your computer.

Polar interpolation can be performed by FeatureTURN/MILL or by the control.

Wrap Feature

Any milling feature can be wrapped around the Z axis. The feature is then machined using the X,Z and C axis. During simulation the component is shown to rotate giving an extremely realistic view of the machining process.
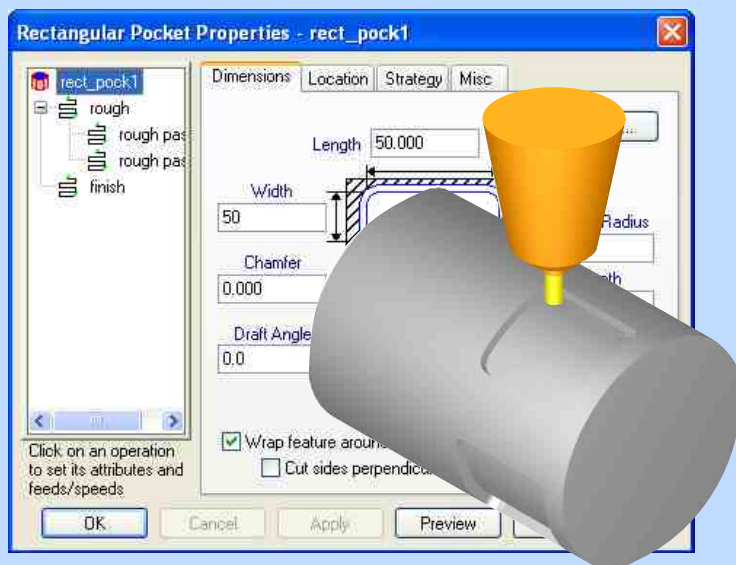
Drilled Features

Using the hole wizard you can quickly create hole patterns for drilling, tapping, reaming and counter boring on the face or outside diameter. The simulation can be switched to translucent part so you can see if holes line up correctly inside the component.
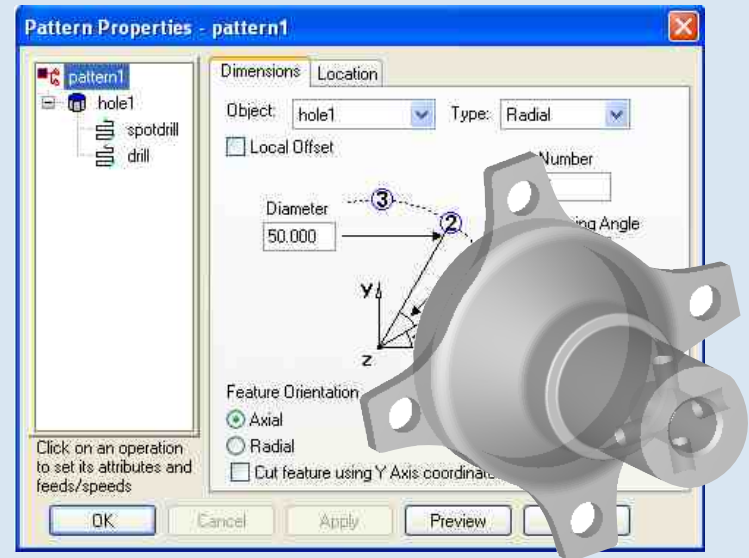
Benefits

- Feature-based system saves time by automatically generating correct toolpaths with very little user input
- Increases throughput (more parts per day)
- 500%+ increase in productivity over other CAM packages
- Easier to learn and use than other CAM systems
- User-Definability allows users to adjust the system to their way of doing business
- Integrated process planning eliminates errors
- Multiple part setups streamlines production jobs
- Integrated drawing tools make designing a snap
- Simulation preview helps users visualize parts
- Built-in engraving permits labeling of parts
- Automatic tool selection, feeds, and speeds means that you get the job done right the first time every time
- The built-in materials database enables the system to automatically calculate the appropriate feed and speed rates.
- Easy import of IGES and AutoCAD DXFor DWG files means that you can use your customer's drawings.

Cambridge Numerical Control