

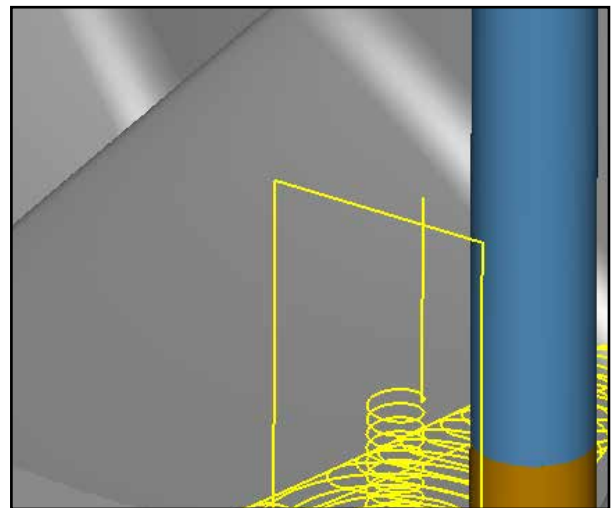


Roughing Strategy for MAX-PAC Computer-Aided Manufacturing Software 3+2 Roughing Module

Concepts NREC's 3+2 Roughing Module allows roughing out of impellers using 3-axis algorithms, keeping a constant tool vector. This strategy optimizes the toolpath to provide constant cutting load making it suitable for high-speed machining. This is extremely useful for large (>0.5m) diameter impellers and/or hard materials where roughing using the traditional 5-axis strategies of MAX-PAC is less efficient.

Benefits

- Achieve faster roughing using 3-axis toolpaths at an arbitrary angle (3+2)
- Provides consistent cutting conditions enabling greater feed rates as well as longer tool and machine life.
- Helical entry provides smooth engagement of the cutter and eliminates the need for drilling
- Save 5-axis machining time by performing roughing operations on 3-axis machines
- Save programming time by calculating roughing toolpaths together with finish toolpaths in the same software package on the same geometry
- Reduce software costs by eliminating the need for another package to calculate 3+2 roughing toolpaths



CORPORATE HEADQUARTERS

217 Billings Farm Road
White River Junction, VT 05001-9486 USA
Phone (802) 296-2321 • Fax (802) 296-2325
E-mail: sales@ConceptsNREC.com
Web: www.ConceptsNREC.com