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New 3+2 Roughing Module Available

Expands Roughing Strategies to include 3-Axis Toolpaths within MAX-PAC's 5-Axis Environment

White River Junction, VT, USA – December 6, 2016 — Concepts NREC, the world's leading turbomachinery software, design, development, testing and manufacturing company, is pleased to announce the availability of a new 3+2 roughing module for its industry leading MAX-PAC Computer-Aided Manufacturing (CAM) software. The new module enables the creation of 3-axis roughing toolpaths at an arbitrary angle (3+2) within the same MAX-PAC environment used to generate specialized 5-axis toolpaths.

"The new 3+2 module is a fantastic complement to the MAX-PAC system, especially for customers who machine large impellers and blisks," said Peter Klein, Concepts NREC's Director of CAM software. "Customers who add the new module will be able to use 3+2 roughing strategies on their 5-axis machines to remove more material, faster. They can also choose a 3-axis machine for roughing and a 5-axis for finishing. It is all about giving the customer more flexibility."

Having this new 3+2 roughing strategy available in MAX-PAC enables consistent cutting conditions, higher feed rates, and longer tool and machine life. Customers who require pocket machining will love the helical entry that provides smooth engagement of the tool and eliminates the need for drilling. Software training and costs are also reduced by using a single package for roughing and finishing instead of relying on a separate CAM package for 3-axis toolpaths.

The 3+2 module is available now to customers who license MAX-PAC version 8.5.

About Concepts NREC

For over 60 years, Concepts NREC has been a strategic partner to many of the world's leading turbomachinery companies. We are the only company in the world that offers a complete in-house solution − from initial concept through design, manufacturing, testing and installation.

To learn more, visit our website at www.conceptsnrec.com, or contact us at info@conceptsnrec.com.