What's New WorkNC 2017R2

WorkNC 2017 R2 takes advantage of the latest improvements made to Vero Software Waveform Roughing : "*Faster and safer than ever, the Waveform strategy significantly improves standard roughing technologies with its consistent material removal while increasing the tool and machine service life*."

Waveform Roughing takes further strides in 2017R2 by reducing machining times as well as improving cutting conditions. Toolpath optimization is achieved by taking tool load into consideration, during intermediate Z-step calculations.

"*The Waveform technology has been designed to perform roughing operations at very high speeds and requires toolpath security control.*" A new option allows users to force the initial lead-in and the final lead-out to a secure point above the stock in case of a difference between the virtual stock and the real stock on the machine."*WorkNC 2017R2 fulfills the users' quest for further time savings and optimal surface quality*."

The new Parallel Finishing toolpath makes use of the innovative Advanced Toolform technology which offers efficient high feed cutter management. Toolpath calculations are based on the real shape of the cutter which ensures optimal surface quality and machining times reduced by up to 80%.

The Die Flats Finishing toolpath now features a new option, enabling radial stepovers which ensures a fluid trajectory and eliminates sharp angles. *"This results in improved surface quality and reduced machining times."*

Machine Collision Detection has been improved covering the machining environment, the tool holder, the stock and the machining center to secure its toolpaths. WorkNC 2017R2 further enhances process security by systematically calculating collisions and out-of-limit conditions.

The CAD module has been improved in 2017R2. All machining preparation operations (part, machining set-up, clamping systems) can now be carried out in the CAD module. When creating a Workzone, the complete assembly is exported into the machining context at the same time as the part itself. It's no longer required to reposition assemblies with respect to the part.

The Machining Sequence User Interface has been improved in 2017R2. WorkNC automates and simplifies giving step by step assistance during toolpath programming. The Machining Sequence process now informs the user of any missing data in the Workzone such as views, curves, point, etc. allowing for on to fly corrections.

Defining a Clamping System in the CAD environment