# NC-PerfectPart Process Customizer

NC-PerfectPart uses probepaths for surface part location and condition of supply evaluation. To reach the full potential of this advanced 5-axis probing technology, parameters and tolerances must be set in the probing program.

## EASY AS 1, 2, 3...

The Process Customizer is an intuitive user interface that enables NC programmers to define and fine-tune NC-PerfectPart's parameters.

For convenience, it launches directly from the CAM system's probing toolbar.

## 1. CREATE PROGRAM USING CAM'S STANDARD PROBING MENU,

All probing operations are programmed within your CAM software. Probepath generation is quick and easy, using standard probing menu to set probing parameters and select surface points or bores.

Probe's global approach and retract moves are programmed just like in any machining operation, allowing safe displacements to be added between the touch moves.

The same NC programming methodology is applicable to all NC-PerfectPart processes, whether a surface alignment, a pre-machining verification or a post-machining verification is created.

## 2. LAUNCH PROCESS CUSTOMIZER, FILL THE NEEDED OPTIONS,

The Process Customizer interface simplifies NC programmers' tasks and improves their understanding of tolerances and other key design parameters that are considered during NC-PerfectPart probing process execution.

Dialog boxes and scroll-down menus allow the definition of all probing process parameters such as alignment definition and fitting constraints, probing point tolerances and options as well as feature tolerances and designation.

The interface will transpose all options, parameters and tolerances into proper APT commands, which will be interpreted by the post-processor to generate NC-PerfectPart's NC-Macro calls.

## 3. SELECT PROCESS BOUNDARY OPERATIONS AND CLICK "OK"...

The use of boundary markers to delimit processes and probed features ensures that the Process Customizer has the flexibility to adapt to any probing sequence.

It allows to define more than one probing process in a single manufacturing program, regroup several probing operations into one designated feature, add weight to a specific group of probed points, etc.

The Process Customizer will insert proper APT commands into the process tree, validating probing programs syntax and macro call sequence will be compliant with the format required by NC-PerfectPart.
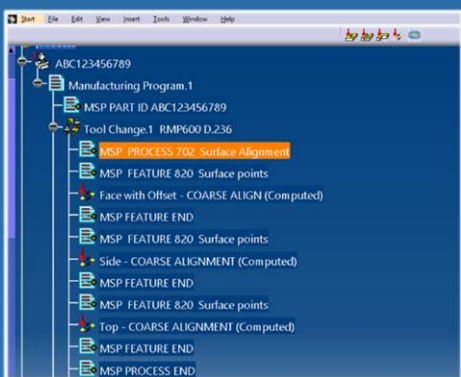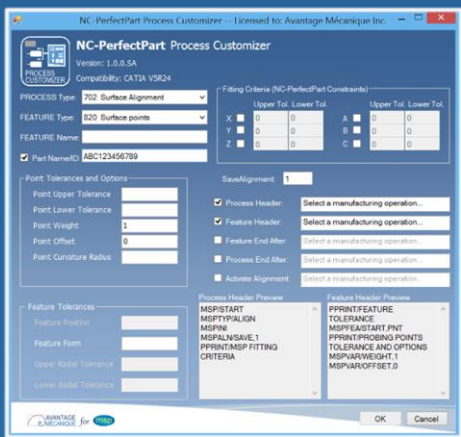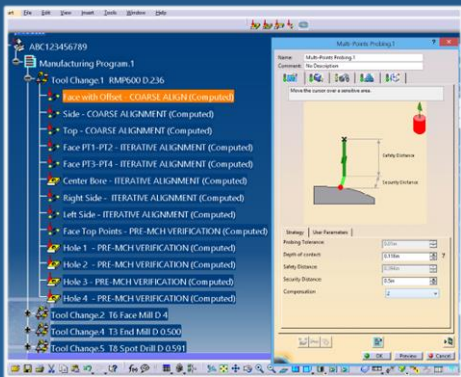
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