Mastercam

2021

PRODUCTIVITY+™

Renishaw Productivity+ Software Solution within Mastercam

Productivity+ is an Add-On to Mastercam that allows users to program and simulate a Renishaw® probe for machine tools, tointegrate process control within CNC programs. Productivity+ performs measurements and alignments, allowing set up and validation of parts at the machine tool. This leads to better process control and reporting of machine tool performance.

Process Control

Close the loop by bringing setup and inspection onto the machine tool in process. Productivity+ handles part setup and alignment, tool setup and breakage detection, part inspection, and tool/position adjustment on the fly, right within the program.

Controller Support

Machine tools including 3-, 4-, and 5-axis configurations are supported by a wide range of post processors, providing a consistent level of functionality between machine types. This makes it possible to transfer one probing program between machine tools by simply reposting the program.
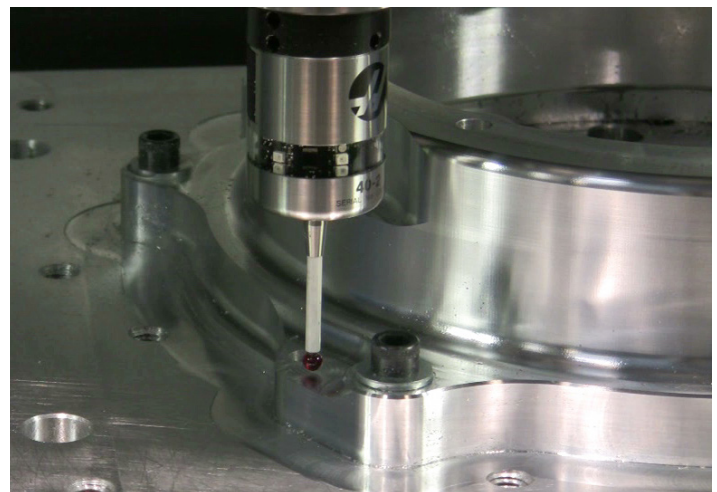
Self-Contained Processing

Since Productivity+ runs entirely on the machine tool. The program forms a self-contained package which operates in exactly the same way, every time a part is run. Once it is programmed, there is no need for an external PC, eliminating potential communications and set-up issues.
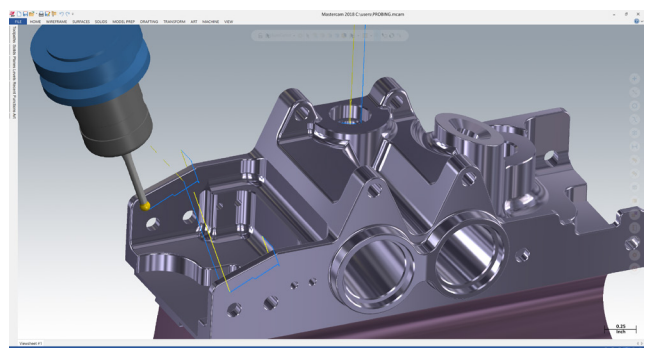
Be More Productive

Productivity+ provides an easy-to-use platform for incorporating measurement functionality and advanced in-process intelligence into machining programs. It simplifies a wide range of measurement and process control tasks, such as component set-up and part verification and aids process development in the following key areas:

- Stock and tool setup.

- Predictive process setting — performing simple tests to ensure that a machine process will be successful.

- Active in-process control — using the probe to measure features and update machining process based on the obtained results.

- Informative reporting — providing information about the in-process state of a component and the decisions that were made when producing it.

- Productivity+ creates programs which run entirely on the machine tool, including all the calculations, updates, and logic which are needed — so no external PC is required to process measurement data.

Mastercam Productivity+ can be used with 3-axis mills (vertical and horizontal) and multiaxis (3+2) mills.

Mastercam Productivity+ comes with unparalleled support from the World's #1 CAD/CAM community. For more information, visit **Mastercam.com/ProductivityPlus**.

To gain the benefits of Productivity+, contact your local Mastercam Reseller at **Mastercam.com/Resellers**.

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