

## 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, to integrate 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.

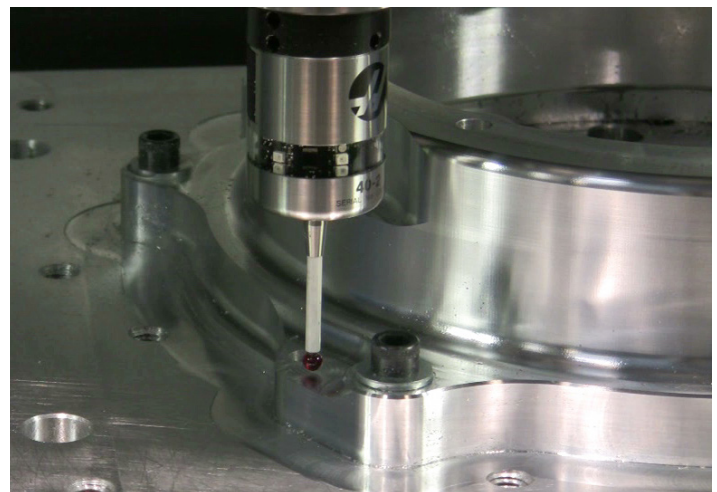
#### Self-Contained Processing

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.

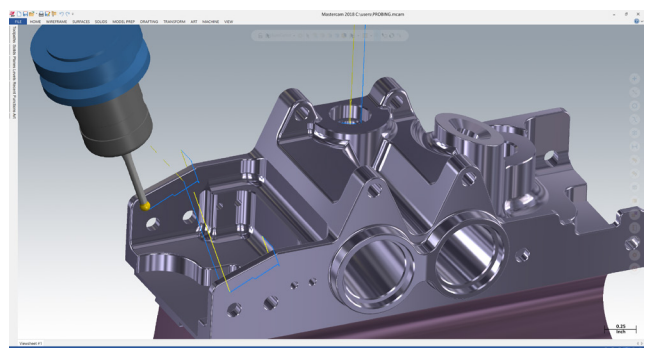
#### Be More Productive

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 multi-axis (3+2) mills.



Mastercam Productivity+ comes with unparalleled support from the World's #1 CAD/CAM community.  
For more information, visit [Mastercam.com/ProductivityPlus](https://www.mastercam.com/ProductivityPlus).

To gain the benefits of Productivity+, contact your local  
Mastercam Reseller at [Mastercam.com/Resellers](https://www.mastercam.com/Resellers).



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