

Welcome to Productivity+™

Productivity+™ is a PC-based software solution providing an easy-to-use platform for creating and integrating probe routines into CNC machine tool programs. Simplifying a wide range of measurement and process control tasks, such as component set-up and part identification, Productivity+ aids process development in the following key areas:

Process setting

Pre-machining tasks such as setting a work co-ordinate system (WCS), automated tool setting, machine clearance checks and part presence detection. Determining that a component is correctly aligned and using automated tool and machine setting maximises the possibility of producing in-tolerance components whilst avoiding wasted machining time.

In-process control

Measuring component features during machining and updating the machine or the machining program based on the results obtained. For example, updating tool offsets according to real cutting performance.

When a machine tool has the ability to make intelligent decisions it can automatically account for inherent sources of variation, thereby improving process capability.

Post-process reporting

Providing traceable information about the in-process state of a component and about the decisions that were made during the machining process.

Historical tracking of critical feature dimensions can help when monitoring process capability and machine performance.

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

For further information on the features and benefits offered by Productivity+ see www.renishaw.com/productivityplus

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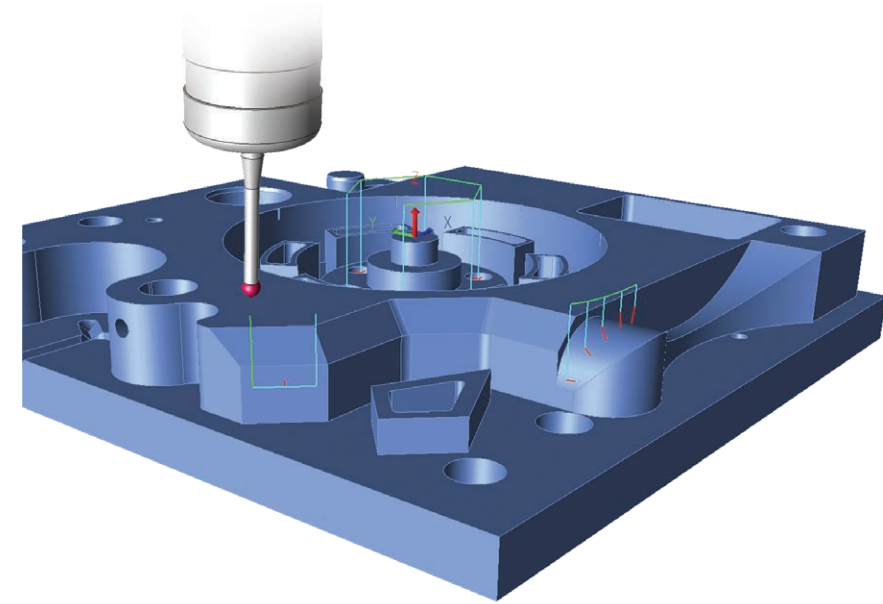
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RENISHAW 
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Productivity+™

Powerful PC-based software for CNC machine tools

FREE!
90 day trial

www.renishaw.com/mtp

For worldwide contact details,
visit www.renishaw.com/contact

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Free trial options on this disc

This trial disc contains two fully functional Productivity+ applications and demo post-processors**. The applications will work for 90 days after activation.

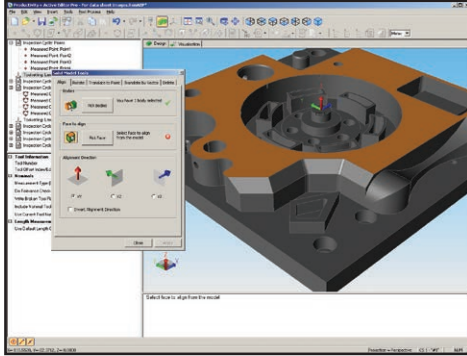
In addition, tutorials have been included which demonstrate the construction of probing cycles.

** The demo post-processors allow you to output NC code as an example of how final code will look. The NC code created by the demo post-processors will not run on your machine tool.

Option one

Active Editor Pro

Add probing to existing NC code

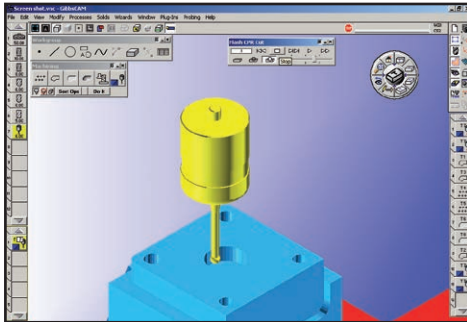


Active Editor Pro is a stand-alone application and does not require any other CAD/CAM package. It allows users to add probing routines to new or existing NC programs, either by importing a CAD model in one of the supported solid model formats* or by manually adding data.

Option two

GibbsCAM® plug-in

For GibbsCAM users



Users of GibbsCAM version 2011 or later can install the GibbsCAM plug-in application. This package integrates seamlessly into installed copies of GibbsCAM, allowing users to easily add probing routines in a programming environment already used for creating machining programs in GibbsCAM.

* Solid model formats currently supported are Parasolid, STEP, IGES, CATIA V4 and V5, ACIS, Inventor, Pro/ENGINEER, Unigraphics NX and SolidWorks.

Get started with Productivity+™

Step one

Initial installation

1. Ensure your PC meets the required specifications
2. Insert and run disc
3. Choose language
4. Choose suitable Productivity+ application:

Active Editor Pro If you want to add probing to existing NC code and do not use GibbsCAM, install Active Editor Pro.

GibbsCAM plug-in If you already have GibbsCAM version 2011 or later installed on your computer, the Productivity+™ GibbsCAM plug-in can be fully integrated into your existing software.

Step two

Activation

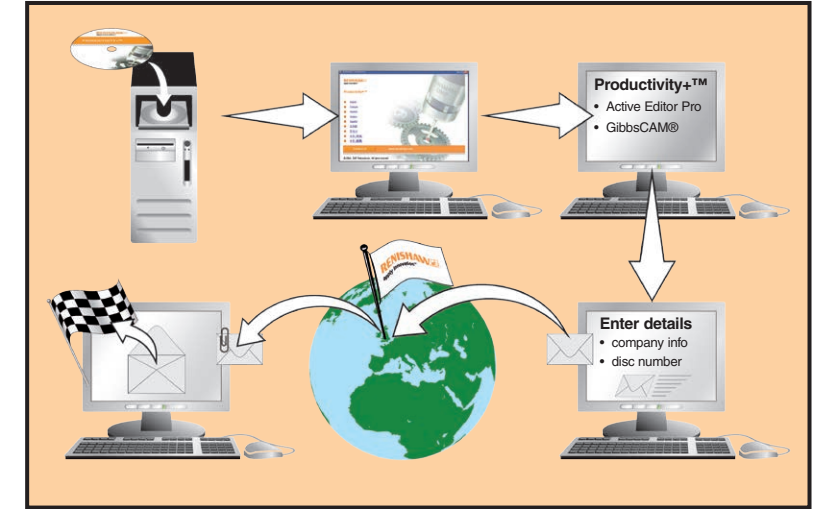
When running Productivity+ for the first time you will be taken through the activation process.

Activation registers the product in your name.

1. Wait for the activation process to run automatically
2. Insert required information:
 - company information
 - serial number (from back of the disc box)
3. This information is then emailed to Renishaw
4. You will receive an email with the activation file
5. Double-click on this file to activate your software

If you do not have email, please phone your local Renishaw office. They will be happy to take your details and serial code from the back of the box, and provide you with an activation code which you will need to enter.

Simple steps to installation ...



PC specifications

Recommended PC specifications for installing and using Productivity+ software

Processor	2.0 GHz Intel Core 2 Duo (64-bit) or later
Operating system	Microsoft Windows 7 (64-bit) or later
Memory	4 GB RAM and 1 GB hard disk space
Graphics card*	NVIDIA GeForce 5 series or later
Other	DVD drive for software installation

* Applicable to Active Editor Pro application only. For trial use, a standard PC graphics card is adequate.