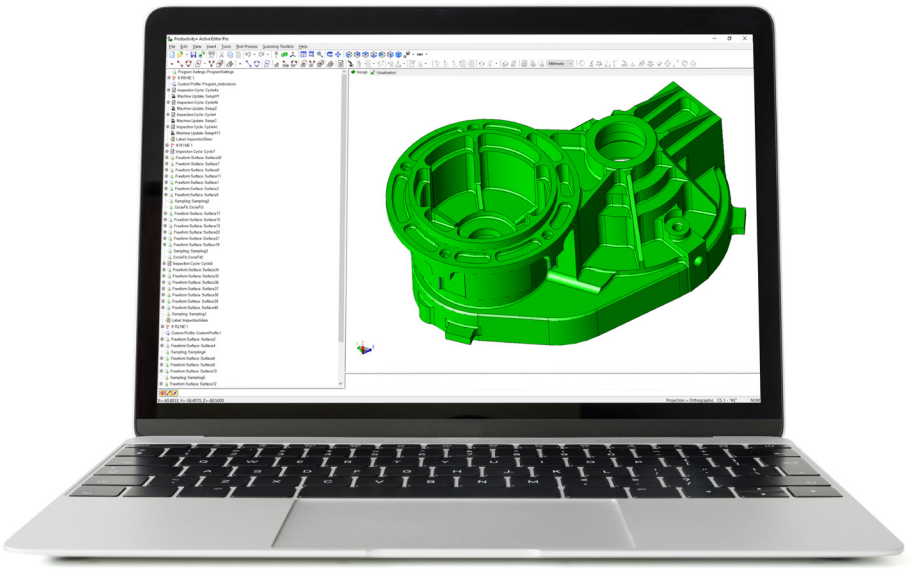
RENISHAW
apply innovation™

Productivity+™ Active Editor Pro

Productivity+™ Active Editor Pro is a PC-based software solution which provides an easy-to-use platform for integrating measurement capability and advanced, intelligent process control functionality across the key stages of machining programs, encompassing predictive process setting, active in-process control and informative reporting.

Active Editor Pro is compatible with the full range of Renishaw touch-trigger probes for machine tools, as well as the OSP60 on-machine scanning probe.



Features and benefits

- Program using component solid models (or manually where no model exists)
- Create constructed elements from previously inspected component geometry
- In-process control, intelligent decision making and adaptive programming
- Incorporate probe qualification and tool setting routines
- Part setting, feature verification and post process reporting
- Probe cycle visualisation, including crash detection
- Support for a wide range of machine tool controller platforms

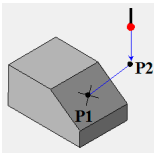
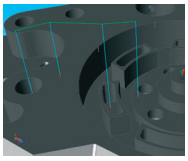
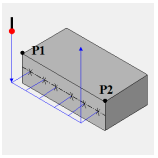
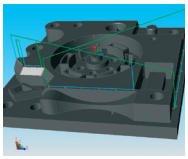
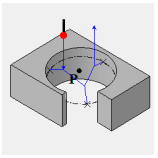
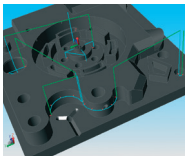
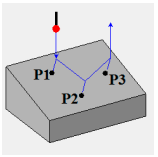
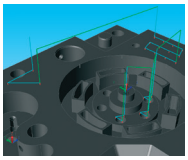
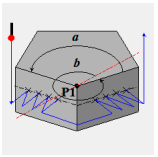
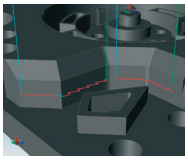
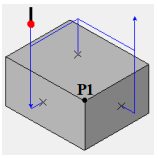
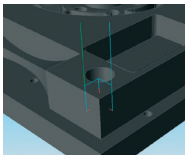
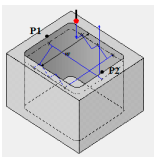
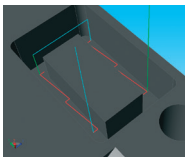
Part and solid model supplied by KMWE Group, the Netherlands.

Productivity+™ Active Editor Pro provides users with a simple-to-use, CAD/CAM-style programming environment. In-cycle measurement, inspection routines, logic and updates can be incorporated easily into existing machining code: no G-code programming experience is required.

Simply import a component solid model (a corresponding CAD importer is required) and select the required feature geometry to generate a probe toolpath. Manual programming options are available where no solid model exists.

Measurements, logic, and updates may be added to existing CNC machining code and then post processed to generate a single, comprehensive NC program containing part setting, metal cutting, component inspection and reporting operations.

Active Editor Pro supports measurement of the following feature types:

Point: use to add surface point features to an inspection cycle in a single axis or at any vector angle. Inspect free-form surfaces by creating an inspection cycle comprising multiple individual points.		
Line: use to create a series of parallel points across a uniform surface. Probing location and direction are automatically determined based on the model face and edge highlighted during selection.		
Circle: use to create probe cycles to inspect bore, boss and circle features. Productivity+ Active Editor Pro automatically detects whether selected features are a bore, boss or arc.		
Plane: use one of the available plane types (3-point, rectangular or radial) to inspect a uniform plane. The number of points required to select the plane, and the editable feature characteristics are dependent on the plane type selected.		
2D corner: use to select and inspect two faces that form a non right-angle corner. Productivity+ Active Editor Pro automatically detects whether the selected faces form an ‘internal’ or ‘external’ corner based on the angle between them.		
3D corner: use to select and inspect three faces that form a right-angle corner. Selections can be made from XY, XZ, or YZ planes with the orientation of the initially selected face determining subsequent selections.		
Web/pocket: use to select and inspect raised or recessed features that have parallel edges. After initial face and edge selection, Productivity+ Active Editor Pro automatically determines whether the feature is a web or a pocket, and only valid subsequent selections are highlighted when the mouse is moved across the model.		

Optional reporting software

Reporter is an on-machine app designed to display measurement data and production trends in a quick and easy way. View live and historical measurement results from scanning routines. The app is installed onto a Windows®-based CNC controller or a Windows tablet connected to the controller via Ethernet.

The Reporter Data Export option allows measurement data collected by the Reporter app to be exported to a .csv format file. Exported data can be stored for traceability, or imported into third-party quality analysis software, providing valuable insights into machining processes.

Software part numbers and descriptions		
Productivity+ Active Editor Pro		A-4007-1400
Productivity+ Active Editor Pro 90-day trial		A-4007-8999
Productivity+ Active Editor Pro SPRINT™ option		CS-SOF-SW-02-2015
Post processors		
Fanuc Macro B post processor		A-4007-5100
Haas post processor		A-4007-5200
Makino post processor		A-4007-5400
Mazak ISO post processor		A-4007-5500
Mitsubishi Meldas post processor		A-4007-5600
Brother 32B post processor		A-4007-5900
Heidenhain i530 post processor		A-4007-6000
Okuma OSP200 post processor		A-4007-6300
Mori Seiki post processor		A-4007-6600
Siemens 810D and 840D post processor		A-4007-6700
Heidenhain 426/430 post processor		A-4007-6900
Productivity+ Active Editor Pro CAD importers		
Creo Elements/Pro (Pro/ENGINEER)		CS-SOF-SW-02-0007
CATIA		CS-SOF-SW-02-0008
NX (Unigraphics)		CS-SOF-SW-02-0009
ACIS		CS-SOF-SW-02-0010
SolidWorks		CS-SOF-SW-02-0011
AutoDesk		CS-SOF-SW-02-0012
3 or more CAD importers		CS-SOF-SW-02-0005
Other		
Supported languages		English, Chinese (simplified), Chinese (traditional), Czech, French, German, Italian, Japanese, Korean, Spanish.
Optional reporting software		
Reporter	Fanuc	A-5999-4200
	Mazak	A-5999-4300
	Mitsubishi	A-5999-4500
	Okuma	A-5999-4400
	Siemens	A-5999-4700
Reporter Data Export option		CS-SOF-SW-02-REPR

RENISHAW
apply innovation™

Recommendations

Recommended probing systems

Renishaw recommend the use of non-lobing touch-trigger probes such as the OMP400 or RMP600 for the best metrology performance. Use of Renishaw touch-trigger probes that do not contain strain-gauge technology will result in decreased performance.

Use of the OSP60 on-machine scanning probe with SPRINT™ technology is also supported.

Renishaw does not support the use of non-Renishaw probes with this software.

Recommended PC specification

Recommended PC specification	
Operating system	Microsoft® Windows® 10 (64-bit) or later
Processor	Intel Core i3 (6th Generation Skylake or later) **NOTE:** Active Editor Pro is not compatible with ARM-based CPUs.
Memory	8 GB RAM, 256 GB hard disk space
Graphics card	NVIDIA GTX 1650 (or better)
Other	USB drive for software installation

In general we recommend a 'CAD ready' PC – one that is specified as capable of running CAD/CAM software.

For larger CAD files, a faster processor, more RAM and a more powerful graphics cards will provide better performance.

+44 (0) 1453 524524 uk@renishaw.com

Part no.: H-4007-8220-03-A
Issued: 02.2025