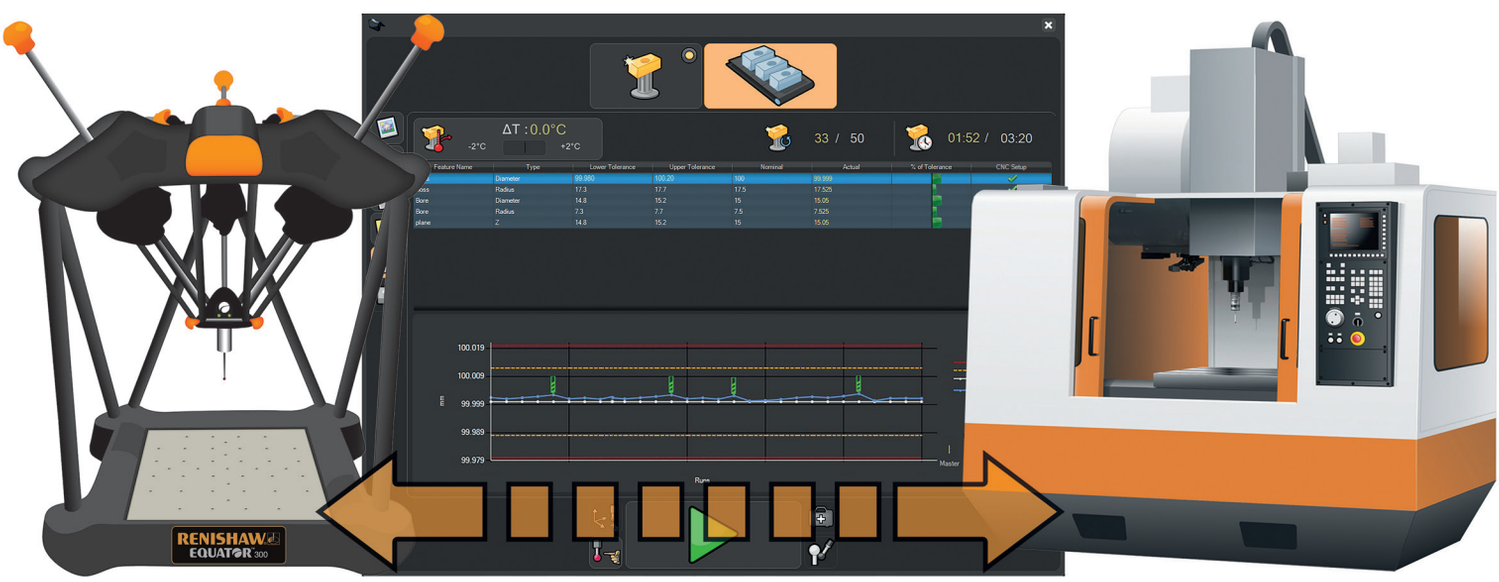
Flyer

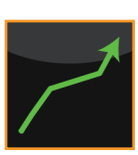
RENISHAW
apply innovation™

IPC software - Intelligent process control with Equator™ gauging systems



Control your process

Automatic feedback to manage process variation



Reduce scrap parts and increase yield

Correct process drift before reaching tolerance limits

Manage tool life

Adjust for tool wear throughout the process

Control processes with frequent gauging

The Equator™ flexible gauge is now offered with IPC software for intelligent process control, providing the functionality to fully automate tool offset updates in CNC manufacturing processes. Users can now expect improved process capability in precision part machining, reduced setting and process adjustment time, and integration with automation systems.

The Equator gauge is unique in its design and method of operation, and has already changed the thinking of thousands of production engineers, making it their gauge of choice. The versatility and repeatability that Equator offers is re-defining the world of gauging and, now available with IPC software, it offers an even wider range of capabilities to manufacturers globally.

Renishaw plc
New Mills, Wotton-under-Edge,
Gloucestershire, GL12 8JR
United Kingdom

T +44 (0)1453 524524
F +44 (0)1453 524901
E uk@renishaw.com
www.renishaw.com

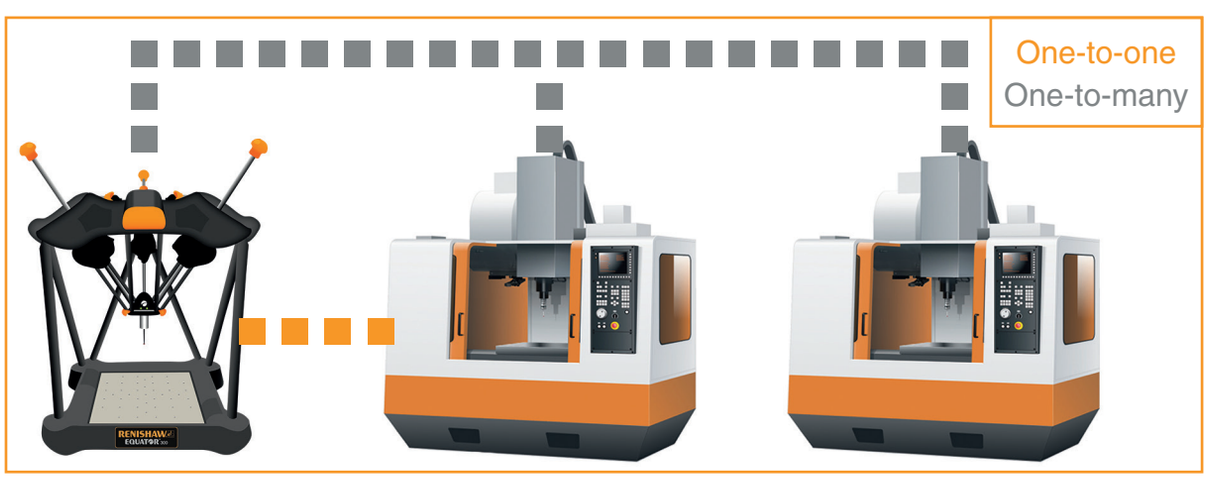
RENISHAW
apply innovation™

Fully integrated

IPC is integrated with the software on the Equator controller, using recent historical gauging data to determine process corrections. IPC can be licensed on new and existing Equator gauging systems.

One-to-one or one-to-many – update multiple machines from one Equator

An Equator gauging system can be connected to one or multiple CNC machine tools, so that parts from different machines can be gauged on one Equator, with the offset updates being sent to the corresponding machine (part / machine identification is required). Connection to multiple machines requires an Ethernet hub or is via an existing factory network.



Reduce dependence on skilled operators

IPC software can be implemented in automated cells or for individual machines. This enables production to run autonomously and to use more complex control techniques. Correcting a process automatically with IPC prevents manual data entry errors, and removes the requirement for an expert to decipher traditional measurement reports into a process correction value at the CNC machine.

IPC compatibility

The first release of IPC allows connection to one or multiple machine tools, with direct Ethernet links from the Equator Controller to Fanuc, Mazak and Okuma CNC controls.

- Fanuc controls that have been tested and proven include the 0i, 30i, 31i and 32i, with the Focas2 option installed.
- Mazak controls currently supported are the Smooth X, Smooth G, Matrix2 and Matrix controls with the Mazak API installed.
- The Okuma OSP300L and OSP300M controls are supported, on machines with the Thinc API installed.

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

Issued: 03.2017

H-6154-8200-01-A