# Renishaw GUI for Okuma machine tools

Working in conjunction with Okuma, Renishaw has developed a range of graphical user interface (GUI) software applications. These applications – Renishaw GUIs for Okuma machine tools – provide an intuitive, user-friendly programming environment that guides users through the process of generating machine code. Eliminating the difficulty associated with traditional machine tool programming techniques, use of the GUI allows cycles to be produced and selected with minimal user input.
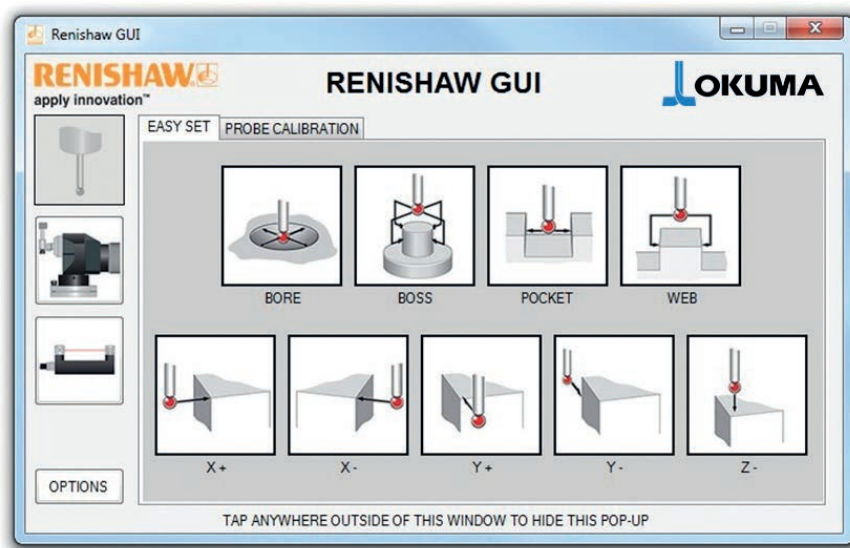
Key features and benefits

- Provides an intuitive, easy-to-use programming interface
- Simplifies calibration and operation of Renishaw machine tool probing systems
- Compatible with P200M/P300M and P200/P300L controls
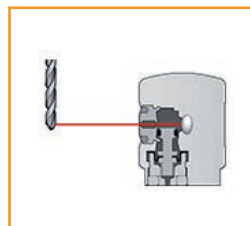- Integrated using Okuma's THINC API

The Renishaw GUI guides users through various probing, tool setting and machine health check cycles.
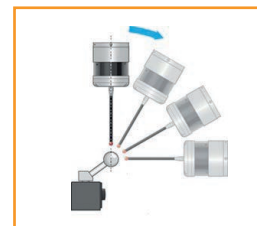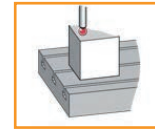

Feature inspection

Contact tool setting

Non-contact tool setting

AxiSet™ Check-Up
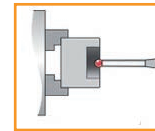
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Renishaw GUI for Okuma machining centres

Provides on-screen selection buttons allowing machine-resident Renishaw inspection and tool setting cycles to be called.

Renishaw GUI for Okuma lathes and multi-tasking machines

Provides on-screen selection buttons allowing machine-resident Renishaw inspection and AxiSet Check-Up pivot point compensation cycles to be called.

Cycles*

Type	Functionality
Renishaw GUI for Okuma machining centres	
Inspection	Cycles: bore, boss, pocket, web, single surface. Calibration: diameter, length.
Contact tool setting	Cycles: manual length, automatic length, automatic length and diameter. Calibration: round stylus, square stylus.
Non-contact tool setting	Cycles: length, length and diameter. Calibration: beam alignment, beam calibration.
Renishaw GUI for Okuma lathes and multi-tasking machines	
Inspection	Cycles: bore, boss, pocket, web, single surface, sphere. Calibration: bore, boss, pocket, web, single surface, sphere, length, slot.
AxiSet Check-Up	Identifies poor machine alignment, geometry and pivot point errors.

* The relevant software packages MUST be installed and configured according to their installation documentation before using the Renishaw GUI.

Part numbers and compatibility

Part Number	Compatibility
Renishaw GUI for Okuma machining centres	
A-4016-1063	Okuma P200 and P300M controls and API version 1.9.1.0 or later. API version 1.16.0.0 is recommended (1.12.1.0 minimum) for P300M controls when running tool setting cycles: earlier versions of the API will not load tool data.
Renishaw GUI for Okuma lathes and multi-tasking machines	
A-4016-1075	Okuma P200 and P300L controls and API version 1.12.1.0 or later.

Please quote relevant part number(s) when ordering.

General requirements

Ensure that the API and THINC Startup Service are installed. These applications are included with all P200 and P300 controls. THINC Startup Service is required to ensure that the machine's NC is fully booted before the GUI is run.

If an API icon is not displayed at the bottom of the controller screen, contact your local Okuma distributor and arrange for the API to be installed.

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

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