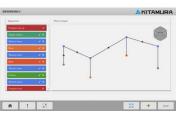# Set and Inspect and Reporter for Kitamura controllers

The Set and Inspect and Reporter probing and measuring apps have been designed to be intuitive and need minimal training.

A clear user interface helps you quickly create probing cycles. The machine code is automatically created and loaded to the controller.

Detailed live data is clearly displayed, with pass or fail indicators for each measurement. Historical data is also displayed for every part measured.

Benefits

- Intuitive, highly visual display.

- Minimum previous probing or machine code experience needed.

- Reduces data entry errors.

- Fast and accurate part set-up.

- Supports part setting, inspection, and tool setting cycles.

- Compatible with a range of 3-axis and 5-axis machine tools. 1

- Automatically update work and tool offsets.

- Choice of 2 programming modes:

  - Single cycle manually inspects individual features.

  - Program builder generates an inspection program containing multiple re-usable features.

- Reporter is integrated with Set and Inspect for easy analysis of measurement and calibration data.

- Quickly view pass and fail measurement data at the CNC machine tool.

- Export to CSV or PDF, or stream live from the controller, using the optional extra, MTConnect.

Part number	A-5999-1600
Supported Kitamura controls [2]	Arumatik-Si Arumatik-Mi
Supported machine types	Horizontal machining centres, vertical machining centres
Hard disk requirements	3.5 GB

Supported cycles: Single cycle		
Part setting/inspection	Measurement	Single surface, bore, boss, pocket, web, corner (internal), corner (external), line, 3-point plane, 5-point rectangle (internal), 5-point rectangle (external), 3-point bore, 3-point boss, 3D corner, rotary axis update
	Calibration	Traditional: XY, Z, XYZ, probe check GoProbe: XY, Z, probe check
Contact tool setting	Measurement	Length, length and diameter
	Calibration	Round stylus, square stylus
Non-contact tool setting	Measurement	Length, length and diameter, corner radius, broken tool, broken tool: solid tools, edge check, profile check
	Calibration	Beam alignment, beam calibration

Supported cycles: Program builder		
Part setting/inspection	Measurement	Single surface, bore, boss, pocket, web, corner (internal), corner (external), line, 5-point rectangle (internal), 5-point rectangle (external), 3-point bore, 3-point boss, rotary axis update

Macro prerequisites		
Machining centres	Inspection Plus	Renishaw part no. A-4012-0516, **version AX or later**
	Contact tool setting	Renishaw part no. A-4012-0584, **version AU or later**
	Non-contact tool setting	Renishaw part no. A-4012-0820, **version AX or later**
Supported Renishaw probes	Spindle probes	MP700, OMP40-2, OMP60, OMP400, OMP600, RMP24, RMP40, RMP60, RMP600, OLP40, OLP60, RLP40, Primo Radio Part Setter
	Contact tool setters	OTS, RTS, TS27R, TS34, Primo Radio 3D Tool Setter
	Non-contact tool setters	NC4
Supported languages	Czech, English, French, German, Italian, Japanese, Korean, Polish, Portuguese, Simplified Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish	

[1] Microsoft® Windows®-based controllers. Software supported on Windows® 7 SP1 or later.

[2] The custom application interface (API) library must be installed. (The API is typically pre-installed by Kitamura.) For other controllers, contact your local Kitamura office.