

Renishaw CNC Reporter

Renishaw CNC Reporter 6.01

Renishaw CNC Reporter is a PC-based analysis package designed to interrogate measurement inspection data obtained using Renishaw probing software.

Displaying a comparison of actual measured data against nominal values, the package, which operates in the Microsoft Excel spreadsheet package, uses colour coding to indicate adherence to tolerance and indicates the Pass/Fail outcome at individual feature and component level. Results are available in graphical and tabular format; simply select the view that best suits individual quality control requirements.

The newly available version 6.01 introduces several major advancements in comparison with the previously available release.

For the first time Renishaw CNC Reporter is available for use with 64-bit operating systems, and is now also compatible with Microsoft Excel 2010.

Support is also now available to import 'live' results data. The software interrogates a data file periodically and automatically updates the software with the newly obtained data.

The new Overview display colour codes data cells to provide a high impact visual indication of adherence to tolerance: green = in tolerance; yellow = approaching tolerance; red = out of tolerance.

Create custom templates incorporating corporate logos, component images or operation specific text. Different templates can then be specified and used to display inspection results for each different component or production operation.

A software wizard allows users to select the probing software and the NC controller type used to gather results data. Selections here define the format of the results data file.

A new application, Data Manager which installs alongside CNC Reporter, allows the comparison and analysis of much larger volumes of inspection data across multiple components.

Key benefits of CNC Reporter

Instant decision making

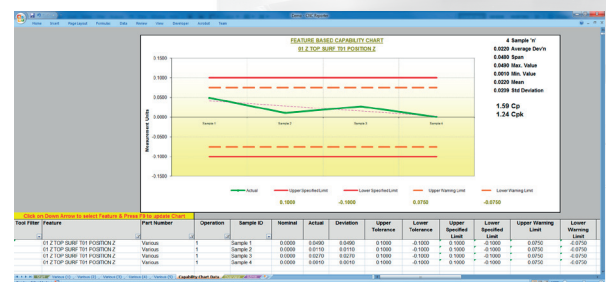
High impact, visual indication of data results allows an instant Go / No Go decision to be made on component acceptance. Various display formats allow for the selection of the most suitable view for individual quality assurance requirements.

Feature tracking

Track a single or critical feature over time to identify machine wear and thermal affects, and help schedule preventative maintenance.

Simple operating environment

Existing in the Microsoft Excel environment, the application offers a comfortable, familiar operating environment, and allows custom templates to be generated easily.



Filtered results data populates the Capability Chart and statistical data

CP	1.50	3.50	0.21	0.41	3.50	0.68	0.68
Cpk	1.24	3.24	-0.10	0.10	3.24	0.37	0.37
Span	0.0480	0.0210	0.1474	0.0924	0.0219	0.0550	0.0550
Average	0.0220	39.9928	12.5731	-9.9626	0.0073	25.2233	0.0233
StdDev	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009
Normal	0.0000	40.0000	12.5000	-10.0000	0.0000	25.2000	0.0000
Upper Tol	0.1000	0.1000	0.0000	0.0000	0.1000	0.0000	0.0000
LSL	-0.1000	-0.1000	-0.0000	-0.0000	-0.1000	-0.0000	-0.0000
LLS	-0.1000	-0.1000	-0.0000	-0.0000	-0.1000	-0.0000	-0.0000
Max	0.0010	39.9900	12.5600	-9.9900	0.0010	25.2000	0.0000
Min	0.0010	39.9900	12.5600	-10.0000	-0.0010	25.2000	0.0000

Part Number	Operation	Feature	A-1736-2735
Sample ID	Sheet Index		
1	1	0.0480	39.9910
2	2	0.0110	39.9900
3	3	0.0270	39.9800
4	4	0.0010	40.0010

Colour coded data cells in Overview display

Innovations in version 6.01

Live data import

Data can now be imported from a continually updating results file. Define a file name and location, and the software will interrogate the contents periodically and automatically update displayed results.

Data Manager

A new integrated package for the analysis and comparison of inspection data from multiple results files. Once initially processed, CNC Reporter automatically saves toleranced data to a database ready for review in Data Manager.

Enhanced compatibility

Renishaw CNC Reporter is now compatible with 64-bit operating systems and Microsoft Excel 2010 (32-bit and 64-bit).

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Key features

Instant feedback of component conformance

Probing Inspection Reports provide Pass / Fail indication at individual feature and component level, and colour coded data cells indicate conformance to tolerance (where applicable)

Selectable display format

Results data is displayed in tabular and graphical formats; simply select and use the format best suited to individual quality assurance requirements

Feature tracking

Track results for a single or critical feature over time to determine wear, drift and to help schedule preventative maintenance

User friendly operating environment

As a Microsoft Excel based application, Renishaw CNC Reporter offers a comfortable and familiar operating environment which is simple to configure

Custom templates

Customise report templates to incorporate corporate logos, component specific information or CAD model snapshots

Choice of data import options

Choose to import a complete set of inspection data or define a file location and import data on the fly

Multiple instances

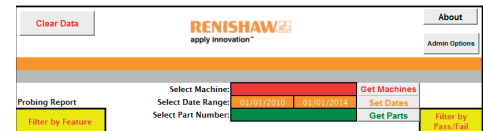
Run up to four instances of Renishaw CNC Reporter simultaneously

Data Manager

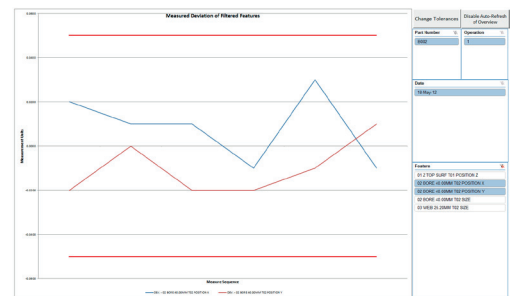
Integrated, complementary software package to analyse and compare historical measurement inspection data from multiple results files



Excel based format offers simple navigation structure



Down boxes determine the results data imported into Data Manager



Data Manager analyses large volume and multi-part data

Custom "Part Specific" Template Manager

Current Part
PNUM-B002

New Part Number "Trigger Word"
PNUM-

Exclude Trigger Word
☒

Archive By Part
☐

Increase Available Input Rows

Part Number	Operation	Template (Click in Cell to define Template File (*.xlt) Location)	Metric / Imperial
PNUM-A001	1	C:\Renishaw plc\Renishaw CNC Reporter\CNCReporterTemplate.xlt	Metric
PNUM-B002	1	C:\Renishaw plc\Renishaw CNC Reporter\EngineeringLogoTemplate.xlt	Metric

Create custom templates for each operation or different component type

More information

Details of Renishaw's software solutions for machine tools and a comprehensive list of supported CAD formats can be found at www.renishaw.com/mtpsoftware

For worldwide contact details please visit our main website at
www.renishaw.com/contact

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