Installation

Insert the Renishaw CNC Reporter software disc into the CD/DVD drive.

Select the appropriate installer (32-bit or 64-bit) and follow the on-screen instructions to complete the installation.

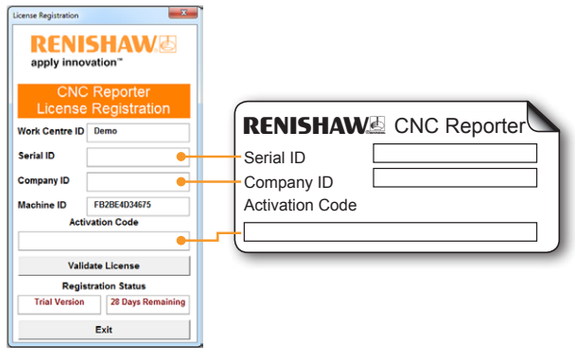
- On opening CNC Reporter a 'Security Warning (Macros have been disabled)' message may be displayed in the Microsoft Excel header; click 'Enable Content' to continue.
- Depending on the target PC configuration and permissions settings, a 'Macro Security Trust Settings' dialog may be displayed. To allow the application to operate correctly, follow the instructions provided within the dialog.

Detailed instructions for installing Renishaw CNC Reporter with all compatible versions of Microsoft Excel are provided in the *Renishaw CNC Reporter* User's Guide (Renishaw part no. H-5464-8501) provided on the software disc.

Product registration

On opening, Renishaw CNC Reporter will indicate that registration is required. Navigate to the '**Admin**' worksheet (by selecting the '**Admin**' tab) and select **Register License**.

In the appropriate fields of the License Registration dialog, enter data from the product label found on the rear of the product packaging.

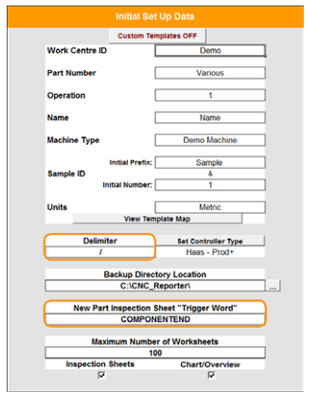


The poster overleaf provides an overview of the software screens to assist with navigation through the application for data import and analysis.

Import the demo file

During the installation process, a `Demo Results.txt` file containing sample inspection data is installed (in the CNC Reporter destination folder). The following section describes the process required to import this sample data. (For full details of how to set-up and import end user data files see the documentation provided on the software disc.)

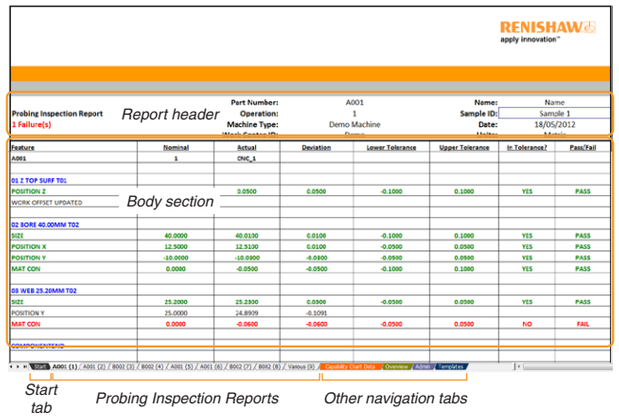
Select the '**Start**' tab and populate the '**Initial Set Up Data**' panel. Ensure the Delimiter field is set to '/'. This field represents the character used within the data file to segregate inspection data. The demo file uses the default delimiter character.
Ensure the *New Part Inspection Sheet "Trigger Word"* field is set to 'COMPONENTEND'. This field represents the word used to indicate the end of a component inspection cycle. The demo file uses the default word.



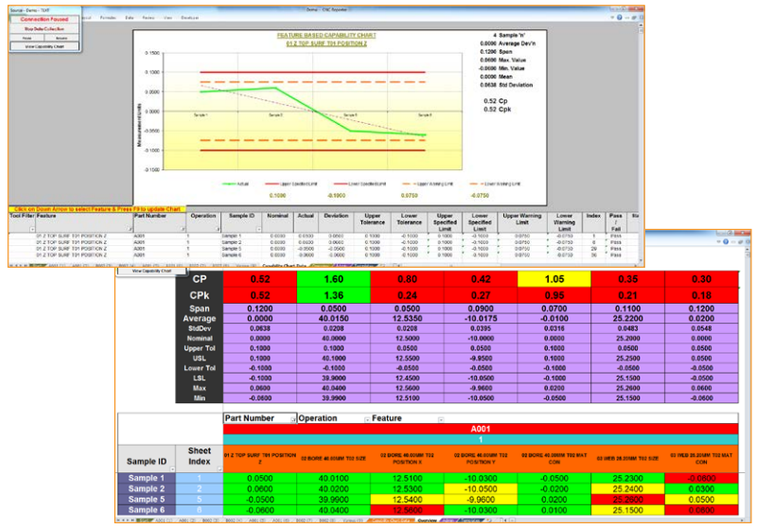
It is not necessary to select the inspection software or NC control type when importing the `Demo Results` file.

Select '**Collect Data - FILE IMPORT**' (from the **CNC Reporter Control Panel**). Select 'OK' in the dialog, navigate to and select `Demo Results.txt;` select 'OK' again to begin data import.

A Probing Inspection Report is generated for each inspected component, with a new tab created for each report. Report headers contain overview information and body sections contain inspection results.



Return to the '**Start**' tab and select **Compile Capability Chart**. This will populate the '**Capability Chart Data**' tab and the '**Overview**' tab.



Capability Chart (top) and Overview tab (bottom)

The Capability Chart provides a graphical representation of variation in measured data for a single feature across the inspected components, and calculates statistical data such as Cp, Cpk and standard deviation.

The Overview tab shows actual measured data, and through colour coding of the cells, an indication of adherence to tolerance

Filters on both the Capability chart and the Overview tab can be used to refine data as necessary.

Data Manager

Large volumes of historical data that has already been processed by Renishaw CNC Reporter can subsequently be analysed using the complementary Data Manager application which installs alongside CNC Reporter.

Compatibility and system requirements

Data output packages

Renishaw CNC Reporter is compatible with inspection data produced by the following Renishaw software packages:

- Productivity+ Active Editor Pro
- Productivity+ GibbsCAM plug-in
- Inspection Plus *

* Additional configuration is required before Inspection Plus data can be used with Renishaw CNC Reporter.

PC specification

Operating system	Microsoft Windows 7 (or later)
Processor	2.0 GHz Intel Core 2 Duo (or equivalent)
Memory	4 GB RAM, 1 GB hard disk space
Other	CD/DVD drive for software installation Microsoft Excel 2007 (or later): Microsoft Excel 2016 recommended

Renishaw CNC Reporter is available in English only.

Notes

- Installation instructions and accompanying screenshots within this document are applicable for installations of Renishaw CNC Reporter with Microsoft Excel 2010.
- On-screen views of the application may differ to the screen shots shown where CNC Reporter is installed onto a PC with a different version of Microsoft Excel.
- Detailed instructions for installing Renishaw CNC Reporter with all compatible versions of Microsoft Excel are provided in the *Renishaw CNC Reporter* User's Guide (Renishaw part no. H-5464-8501) provided on the software disc.
- The installation process adds a second, complementary application, Data Manager. A Data Manager icon is added to the desktop as part of the installation process.

© Renishaw plc 2012–2017. All rights reserved. Issued 03.2017 Part no. H-5464-8500-02-A

Trade marks

RENISHAW and the probe symbol used in the RENISHAW logo are registered trade marks of Renishaw plc in the United Kingdom and other countries. **apply innovation** and names and designations of other Renishaw products and technologies are trade marks of Renishaw plc or its subsidiaries.

All other brand names and product names used in this document are trade names, trade marks, or registered trade marks of their respective owners.

Disclaimer

RENISHAW HAS MADE CONSIDERABLE EFFORTS TO ENSURE THE CONTENT OF THIS DOCUMENT IS CORRECT AT THE DATE OF PUBLICATION BUT MAKES NO WARRANTIES OR REPRESENTATIONS REGARDING THE CONTENT. RENISHAW EXCLUDES LIABILITY, HOWSOEVER ARISING, FOR ANY INACCURACIES IN THIS DOCUMENT.

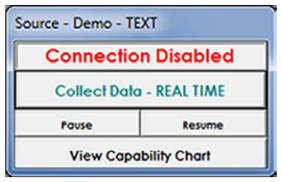
Renishaw CNC Reporter

www.renishaw.com

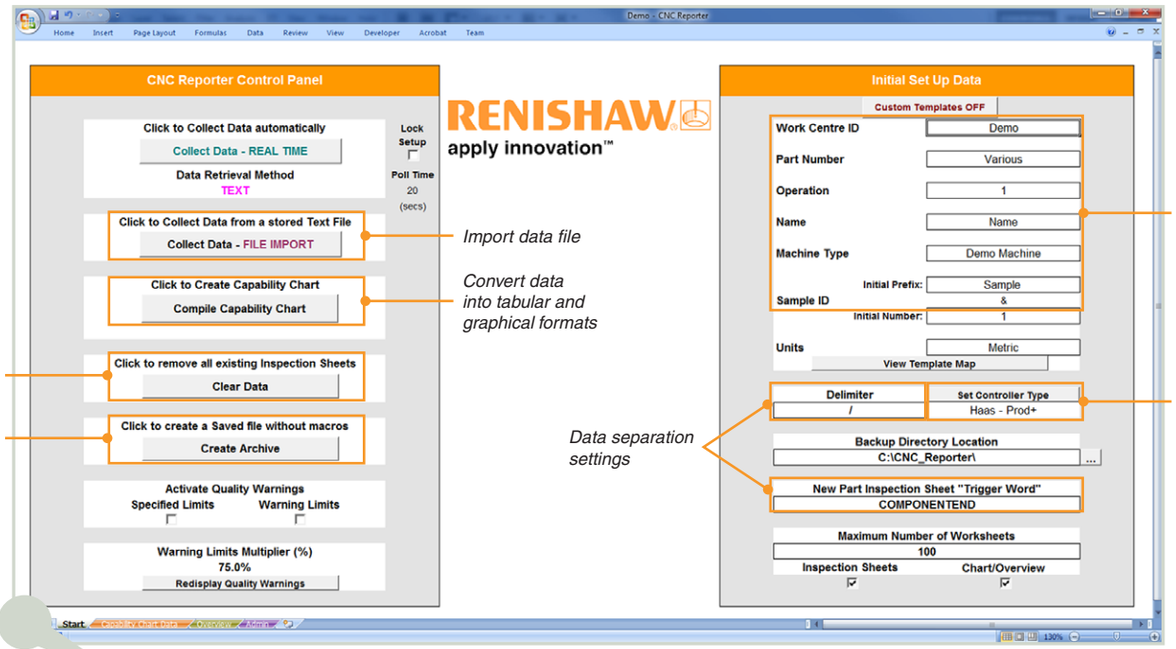
RENISHAW apply innovation™

RENISHAW
apply innovation™

Renishaw CNC Reporter



Floating window - *import data files and populate the Capability Chart and Overview tab*



Import data file

Convert data into tabular and graphical formats

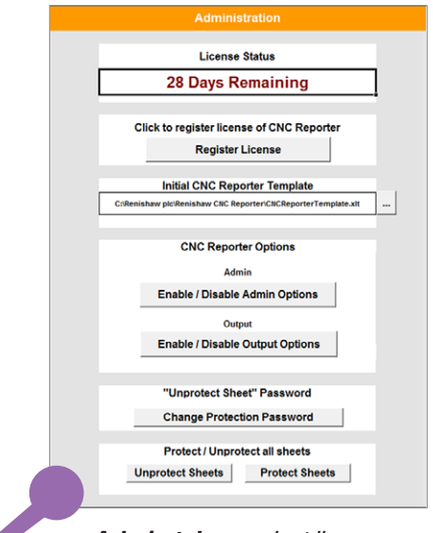
Delete inspection reports and charts

Manually archive inspection data

Data separation settings

Information specific to the measurement process and inspected component

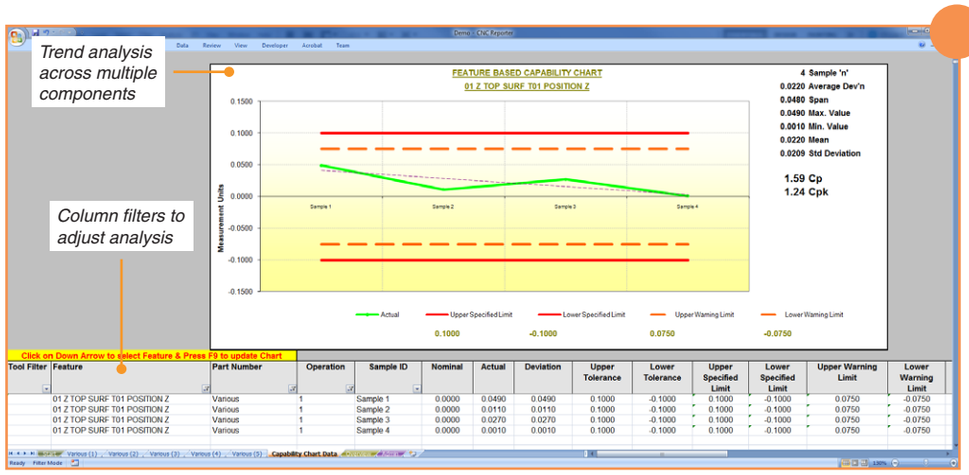
Select inspection software and NC control type



Admin tab *- product license information and output options, including export to Data Manager*

Start | Capability Chart Data | Overview | Admin

Navigation tabs



Capability Chart Data tab *- filterable, graphical representation of the variation in measured data for a single feature across multiple components*

CP	1.59	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	0.0210	0.0550	0.0550
Average	0.0220	39.9928	12.5731	-9.9626	0.0073	25.2233	0.0233
StdDev	0.0209	0.0095	0.0788	0.0410	0.0095	0.0244	0.0244
Nominal	0.0000	40.0000	12.5000	-10.0000	0.0000	25.2000	0.0000
Upper Tol	0.1000	0.1000	0.0500	0.0500	0.1000	0.0500	0.0500
USL	0.1000	40.1000	12.5500	-9.9500	0.1000	25.2500	0.0500
Lower Tol	-0.1000	-0.1000	-0.0500	-0.0500	-0.1000	-0.0500	-0.0500
LSL	-0.1000	39.9000	12.4500	-10.0500	-0.1000	25.1500	-0.0500
Max	0.0490	40.0010	12.6498	-9.9085	0.0200	25.2590	0.0590
Min	0.0010	39.9800	12.5024	-10.0009	-0.0010	25.2040	0.0040

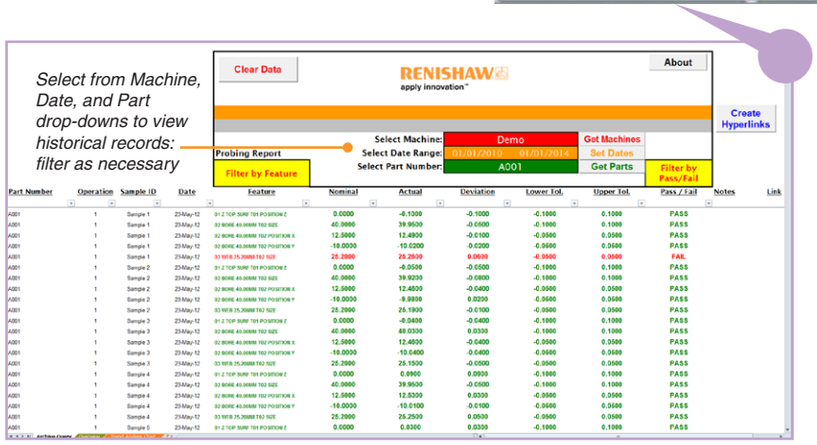
Statistical data analysis and high impact visual indication of component compliance

Part Number	Operation	Feature					
A-1736-2735							
	1						
Sample ID	Sheet Index	01 Z TOP SURF T01 POSITION Z	02 BORE 40.00MM T02 SIZE	02 BORE 40.00MM T02 POSITION X	02 BORE 40.00MM T02 POSITION Y	02 BORE 40.00MM T02 MAT CON	03 WEB 25.20MM T02 SIZE	03 WEB 25.20MM T02 MAT CON
Benchmark	1	0.0490	39.9910	12.5024	-9.9868	0.0090	25.2040	0.0040
Benchmark	2	0.0110	39.9990	12.6498	-9.9541	0.0010	25.2590	0.0590
Benchmark	3	0.0270	39.9800	12.6323	-9.9085	0.0200	25.2160	0.0160
Benchmark	4	0.0010	40.0010	12.5079	-10.0009	-0.0010	25.2140	0.0140

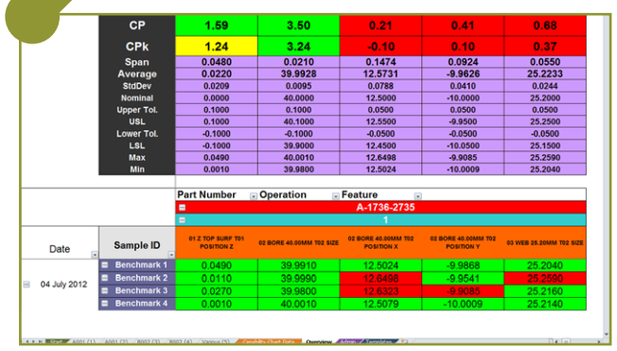
Overview tab *- actual measured data: colour coded cells indicate adherence to tolerance. Filter by Part number; Operation and Feature*

Data Manager

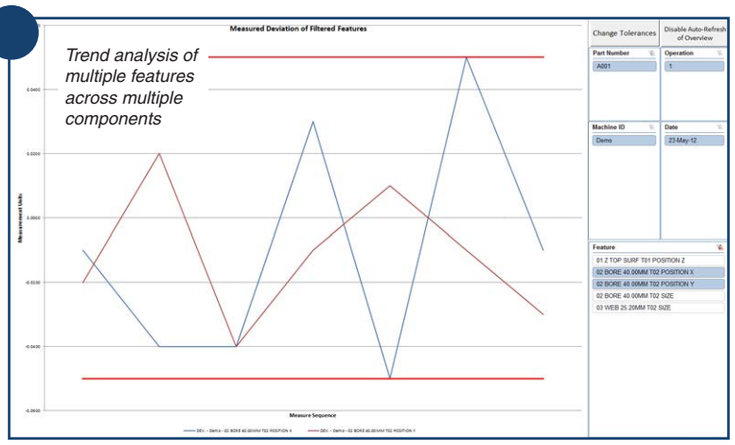
Archive Query | Overview | Comparison Chart



Archive Query tab *- tabular view of archived inspection data*



Overview tab *- actual measured data and statistical information, as within CNC Reporter*



Comparison Chart tab *- graphical representation of measured data (one or more features) across multiple components*

Screenshots may vary depending on the installed version of Renishaw CNC Reporter.