

Renishaw CMM Products Division

PRODUCT BULLETIN – PBC1432

Product:	UCCsuite Software	Status:	Open
Title:	Version 4.4 release	Date:	13 th August 2010

Originator:		Distribution:	
B Gow		Internal	✓
		Subsidiaries	✓
Reviewer:		OEMs	✓
J Rosser		Retrofitters	✓

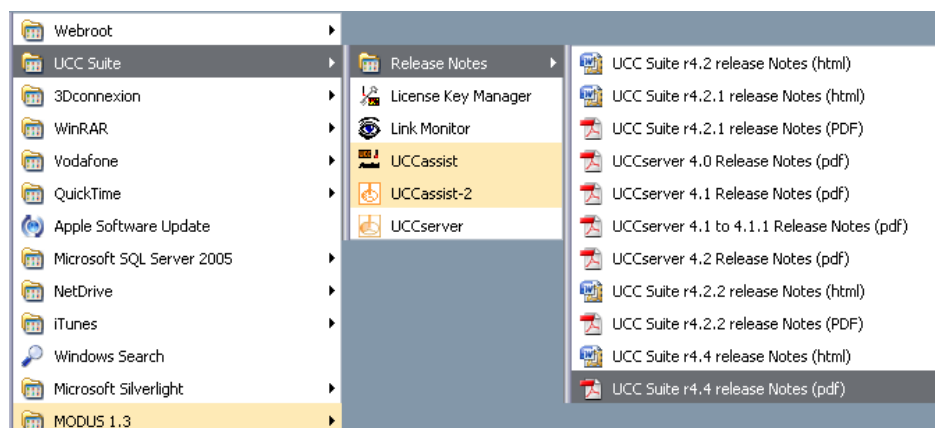
Summary:

UCCsuite 4.4 release

We are pleased to announce the release of the UCCsuite Software V4.4. The software is available for download from the following location:

<http://www.renishaw.com/cmmsupport/en/ucc-suite-released-software--10698>

We strongly advise reading the release notes which are available within the 'Installation Manager' software or through 'Start', 'All programs', 'UCCsuite'...



PH20 Release

This is the first version of software that supports the PH20 head. **Please note that your UCC controller will require a specific PH20 license key to enable the PH20 functionality.**

Issues to be aware of ...

- Reminder - when using module changing it is important to ensure correct alignment of the rack port. The alignment wizard in UCCserver has been amended to include additional instructions for manual alignment.
- Control of the 'TipCorrect' operation (switching on/off) following a module change is currently through the advanced tree in the UCCserver user interface. This will be re-located in a future release of the UCCserver software to make it more accessible to the user.
- Crank Styli – there is currently a requirement to align the angle very carefully such that the assembly on the CMM closely matches the 'nominal' angle values in UCCserver tool builder. This will be resolved in a future release of UCCserver software.

Supported PC operating systems

Supported operating systems
Windows XP
Windows Vista (Business)
Windows 7 (Professional)
Windows 64bit XP
Windows 64bit Vista (Business)
Windows 7 64bit (Professional)

Release functionality

Key	
Red	Option is not available
Orange	Option beta level
Yellow	Option available

	7.1 sp12	7.2	UCCSuite 4.0	UCCSuite 4.1	UCCSuite 4.2	UCCSuite 4.2.1	UCCSuite 4.2.2	UCCSuite 4.3	UCCSuite 4.3.2	UCCSuite 4.3.3	UCCSuite 4.3.4	UCCSuite 4.3.6	UCCSuite 4.4
UCC1	Y	Y	X	X	X	X	X	X	X	X	X	X	X
UCCLite	Y	Y	X	X	X	X	X	X	X	X	X	X	X
Native Integration	Y	Y	Y	Y	X	X	X	X	X	X	X	X	X
Renicis	Y	Y	Y	Y	X	X	X	X	X	X	X	X	X
Revo	X	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
MCU-5	X	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
UCCLite-2	X	X	X	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Microsoft Vista	X	Y	X	X	Y	Y	Y	Y	Y	Y	Y	Y	Y
Revo RSH500	X	X	X	X	Y	Y	Y	Y	Y	Y	Y	Y	Y
Revo RSP3.3	X	X	X	X	Y	Y	Y	Y	Y	Y	Y	Y	Y
Rotary table support	X	X	X	X	Y	Y	Y	Y	Y	Y	Y	Y	Y
Thermal compensation with Revo	X	X	X	X	Y	Y	Y	Y	Y	Y	Y	Y	Y
Thermal compensation with PH10	X	X	X	X	X	X	Y	Y	Y	Y	Y	Y	Y
64 bit Windows XP & Vista	X	X	X	X	X	X	X	Y	Y	Y	Y	Y	Y
Surface Finish Probe (Alpha version)	X	X	X	X	X	X	X	Y	Y	Y	Y	Y	Y
Read head interpolator interface	X	X	X	X	X	X	X	X	X	X	X	Y	Y
UCCassist II Error Mapping	X	X	X	X	X	X	X	B	B	B	B	B	Y
Revo RSH175	X	X	X	X	X	X	X	X	X	X	X	X	Y
MCUW	X	X	X	X	X	X	X	X	X	X	X	X	Y
MCULite-2	X	X	X	X	X	X	X	X	X	X	X	X	Y
UCC Fusion	X	X	X	X	X	X	X	X	X	X	X	X	Y
PH20	X	X	X	X	X	X	X	X	X	X	X	X	Y
UCCserver – Thermal Reporting	X	X	X	X	X	X	X	X	X	X	X	X	Y
UCCserver – Builder Restrictions	X	X	X	X	X	X	X	X	X	X	X	X	Y
UCCserver – RWMachineIO	X	X	X	X	X	X	X	X	X	X	X	X	Y
UCCAssist2 – Tuning for scanning	X	X	X	X	X	X	X	X	X	X	X	X	Y

UCCassist-2

Error mapping

The CMM error mapping functionality in UCCassist-2 is now fully supported.

Fusion Controller

Commissioning support has been added for the Fusion controller.

Tuning for scanning

This new functionality allows three tests to be performed in order to evaluate the machine's ability to perform 3 axis scanning. The first test is a free space circular move which visualises how well the circular trajectory of the machine is performing. The second test is a circular move with some interference between the probe and an artefact. This allows the open loop (no control of the probe deflection) scanning performance to be evaluated. The third test is a proper scan of an artefact to evaluate how well the closed loop (deflection under control) is performing.

Retrofit interpolator interface board

Support for commissioning the Renishaw interpolator board, which interfaces with a variety of scales to convert to the quadrature signal required for the UCC, is now included.
