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Renishaw CMM Products Division

PRODUCT BULLETIN – PBC1705

Product:	UCClite / UCClite-2 / UCC1	Status:	Open
Title:	UCClite-2 and UCC1 obsolescence notice	Date:	31st October 2013

Originator:		Distribution:	
D Joynson		**Internal**	☑
		Subsidiaries	☑
Reviewer:		**OEMs**	☑
A Holding		**Retrofitters**	☑

Summary:

This bulletin is to give notice of the obsolescence of UCClite-2 and to advise that UCC1 can no longer be supported with repair and RBE. Advice on suitable alternative solutions for your customers is included in this bulletin.

UCClite-2

The entry level CMM controller UCClite-2 uses a USB chip, which has now been withdrawn from the market. This forced Renishaw to cease production of UCClite-2 (A-5331-0008) from **1st August 2013**.

Renishaw will endeavour to support the obsolescence of UCClite-2 through repair, RBE or replacement for five years.

The affected part numbers are:-

A-5331-0012	UCClite-2 / MCUlite upgrade kit
A-5331-0013	UCClite-2 / MCU1 upgrade kit
A-5331-0014	UCClite-2 / MCUlite / DCC upgrade kit
A-5331-0201	UCClite-2 kit #1
A-5331-0202	UCClite-2 kit #2
A-5331-0203	UCClite-2 kit #3
A-5331-0204	UCClite-2 kit #2 + MCU1 upgrade

Suggested upgrade options are provided in the table below. If an existing UCClite, UCClite-2 or UCC1 installation has a PC failure, it will need a 32-bit XP or Vista replacement.

UCC1 and SPA1

The UCC1 and SPA1 were obsoleted on 1st May 2007 (PBC 1043) due to component obsolescence and performance restrictions.

This bulletin is to give notification that Renishaw is now unable to repair or RBE these products. A compulsory upgrade is the only option for repair or replacement (see suggested upgrades in the table below).

UCClite and UCC1 and Windows 7

There are known issues running UCClite and UCC1 controllers with the latest Windows7® 64-bit operating system that is supplied with the majority of new PCs. Windows XP® or Windows Vista® (32-bit) operating system must be installed on any UCClite and UCC1 replacement PC, as the 64-bit systems will not work.

Controller/amplifier upgrades

UCC T3 is designed for 3-axis touch-trigger applications and is a combined controller and amplifier. UCC S3 and SPA3 are used together when 3-axis scanning is required.

UCC T3   UCC S3 and SPA3

UCC T3

A suitable alternative to the UCClite + SPAlite or SPA2 is the UCC T3. This is a combined 3-axis controller and power amp capable of supplying 80 V and 800 W via an external power supply (the upgrade kits are supplied with a 48-58 V 600 W supply). Connections are very similar to the UCClite with the exception of the Estop connector which requires additional links. PH10 support is provided via an external PHC10-3 PLUS head controller and RS232 cable.

UCC S3 (scheduled availability January 2014)

UCC S3 ia a suitable alternative to the UCC1 scanning controller. It is a 3-axis controller supporting PH10, SP25/SP600 and TP200. It requires an SPA3 amplifier to complete the package. The SPA3 has the same specification as the UCC T3 (80 V 800 W). Compared to the UCC1 the UCC S3 connections differ in the following way:

- I/O connector is 44 W not 37 W. A connector is supplied in the kit and a conversion cable is available for purchase
- The PC connection is ethernet not optical link, therefore the PC must have a spare ethernet port
- The Estop connection requires additional links/connections – see installation guide

Kits and part numbers:

To assist customers who are still working with UCClite / UCClite-2, the following upgrade kits will be offered until 1st July 2016:

Exchange	For upgrade package	Part number
UCClite +SPA + joystick	UCC T3 + 48-58 V PSU + MCUlite-2 (UCC T3 + PSU + brackets + 44w connector + usb cable)	A-1032-0011
UCClite + SPAlite + joystick	UCC T3 + 48-58 V PSU + MCUlite-2 ((UCC T3 + PSU + brackets + 44w connector + usb cable)	A-1032-0011
UCClite + SPA2 + joystick	UCC T3 + 48-58 V PSU + MCUlite-2 (UCC T3 + PSU + brackets + 44w connector + usb cable)	A-1032-0011
UCClite-2 + SPAlite	UCC T3 + 48-58 V PSU (UCC T3 + PSU + brackets + 44w connector + usb cable)	A-1032-0010
UCClite-2 + SPA2 + joystick	UCC T3 + 48-58 V PSU + MCUlite-2 (UCC T3 + PSU + brackets + 44w connector + usb cable)	A-1032-0011

To assist customers who are still working with UCC1, the following upgrade kits will be offered until 1st July 2016:

Exchange	For upgrade package	Part number
3-axis touch trigger upgrades		
UCC1 + SPA	UCC T3 + 48-58 V PSU (UCC T3 + PSU + brackets + 44w connector + usb cable)	A-1032-0010
UCC1 + SPA + joystick	UCC T3 + 48-58 V PSU + MCUlite-2 (UCC T3 + PSU + MCUlite-2 + brackets + 44w connector + usb cable)	A-1032-0011
UCC1 + SPA + PH10 head controller	UCC T3 PHC10-3 PLUS upgrade kit (UCC T3 + PSU + brackets + 44w connector + USB cable + PHC10-3 + RS232 cable)	A-1032-0012
UCC1 + SPA + PH10 head controller + joystick	UCC T3 + PHC10-3 + MCUlite-2 upgrade kit (UCC T3 + PSU + brackets + 44w connector + USB cable + PHC10-3 PLUS + RS232 cable + MCUlite-2)	A-1032-0013
Scanning upgrades		
UCC1 + SPA + scanning licence	UCC S3* upgrade (UCC S3 + SPA3 + PSU) (UCC S3 + SPA3 + PSU + brackets + 44w connector)	A-1032-0014
UCC1 + SPA + joystick + scanning licence	to UCC S3*+ SPA3 + MCUlite-2 upgrade (UCC S3 + SPA3 + PSU + MCUlite-2 + brackets + 44w connector)	A-1032-0015
UCC1	UCC2-2 upgrade kit (UCC2-2 + brackets + connectors + ethernet cable)	A-5121-2031
UCC1 + scanning licence	UCC2-2 upgrade kit (UCC2-2 + brackets + connectors + ethernet cable + scanning lience)	A-5121-2031
SPA1	SPA2-2 upgrade kit (SPA2-2 + DC connector cards + brackets)	A-5121-1039
* UCC S3 will be launched January 2014. UCC2-2 + SPA3 will be substituted at no additional cost, until UCC S3 is available		

As these are upgrade kits, **all** the items in the "Exchange" column must be returned by the customer to the nearest Renishaw subsidiary to qualify for an upgrade price.

Technical notes:

- All Renishaw UCC1 controller upgrades require the existing I/O connector (37 way) to be re-wired into a 44-way connector (the connector is supplied in all kits). A (37 W – 44 W) conversion cable (A-5121-0060) is available for purchase.

- All Renishaw controller upgrades require a Renishaw joystick (MCU1 / MCUlite / MCUlite-2 / MCU5 or MCU W). The USB microsoft joystick is not compatable with the new UCC controllers.

- Connection to the PC is USB for UCC T3, and ethernet for UCC2-2 and UCC S3. Cables are provided for this purpose; ensure the correct ports are available.

- If the UCC T3 is to be used with a PH10 a PHC10-3 controller is required. If UCC2-2 is used with PH10, the PH10 UCC card must be removed from the UCC1 and placed into the UCC2-2.

- More information can be found in the CMM support section of the Renishaw website. Please follow the link below to find all the latest CMM product documentation.

CMM technical documentation can be found here

If you have any questions or comments on this bulletin please visit www.renishaw.com/cmmsupport and use the "Contact" facility. This will ensure that your call is logged and processed efficiently