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UCC2-2 Obsolescence
Renishaw CMM products division
Product bulletin: PBC-01922

Product:	UCC2-2	**Date:**	8/12/2015
Originator:		**Reviewer:**	

Classification

○ **Competitor info**
○ **Pricing changes**
○ **Product hold**
○ **Product launch**
○ **Product update**

○ **Recall**
○ **Quality issue**
○ **Literature**
◉ **Obsolescence**

Distribution

☑ **Agents**
☑ **Subsidiaries**
☑ **Service centres**
☑ **Retrofitters**

☑ **Distributors**
☑ **End users**
☑ **OEMs**

Summary:

This bulletin is to give notice of the removal from sale of Renishaw's UCC2-2 controller for all non REVO-1 or SP80 applications. UCC2 was launched in 2005 and now the design has several key components which are no longer available.

As from the 1st March 2016 the UCC2-2 will only be available in the REVO-1 or SP80 kits listed below and will be obsoleted before July 2017 as it is not RoHS compliant.

Renishaw have had alternative solutions in place for some time, which are detailed in this bulletin.

Renishaw's support policy will be applied through RBE for 5 years and will endeavour to provide support for a further 5 years if parts are available.

Further details:

UCC T5 replaces the UCC2-2 with 5-axis card for PH20 system installations.

UCC S3 replaces the UCC2-2 with PH1050 / PHC10-3 PH10 for scanning installations.

UCC T3 PLUS replaces UCC2-2 with PH1050 / PHC10-3 for PH10 installations

The UCC T5, UCC S3 and UCC T3 PLUS provide increased throughput, a standard two year warranty and have a lower list price than the equivalent UCC2-2 and card combination. These solutions require an SPA3 to interface and power the machine making them a 2 U high solution as shown in the following images.

Note - The recently launched REVO-2 also makes use of a new controller, the UCC S5. It forms part of the same family as the UCC T5 and UCC S3 and will be RoHS compliant.

If you have any questions or comments on this bulletin please visit www.renishaw.com/cmmsupport and use the 'Email support' facility. This will ensure that your call is logged and processed efficiently.
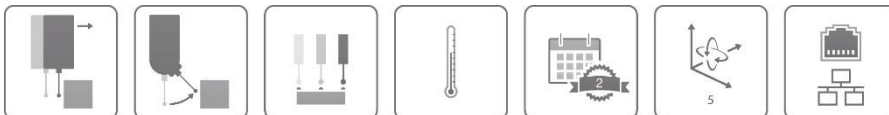
UCC T3 PLUS (PH10 fitted machines)

- Built-in touch-trigger probe interfaces (TP20 and TP200)
- Ethernet connection to PC
- Built-in PH10 and PH10 PLUS support
- Built-in TEC support (up to 16 sensors)
- Requires SPA3 to interface and power the machine; will not work with SPAlite or SPA2-2
- Requires UCCsuite 4.7 or later
- UCC kit 6,7,8,9

UCC T5 (PH20 systems)

- Unique and powerful 5-axis CMM controller specifically designed for use with PH20
- Built-in TEC interface (up to 16 sensors)
- Ethernet connection to PC
- Requires SPA3 to interface and power the machine - will not work with SPAlite or SPA2-2
- Requires UCCsuite 4.7 or later
- PH20 kits 1,2,3

SPA3

- 3-axis servo power amplifier
- Utilises an external power supply
- 1 U height
- Output voltage 24 V – 80 V (PSU dependent)
- Output power 800 W (PSU dependent)

UCCsuite 5.0 supports the use of two SPA3s with one controller, this provides support up to six machine axes (dual Y, rotary table etc.).

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UCC S3 (PH10 and scanning machines)

- Built-in touch trigger probe interfaces (TP20 and TP200)
- Built-in SP25 and SP600 support
- Built-in PH10 and PH10 PLUS support
- Ethernet connection to PC
- Built-in TEC support (up to 16 sensors)
- Requires SPA3 to interface and power the machine - will not work with SPAlite or SPA2-2
- Throughput is better or equal to UCC2-2
- Requires UCCsuite 4.7 or later
- UCC kit 10,11,12,13

UCC S3 and SPA3 are suited to multi-axis CMMs using touch-trigger and/or scanning probes. It is significantly more cost effective than its predecessor UCC2-2, and provides additional functionality and scope for utilising Renishaw's range of productivity enhancing options.

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Part numbers:

Below are the part numbers for the UCC2-2 replacement UCC controllers

Product description	Part number	Contents
PH10 controller kit 7	A-5518-1063	UCC T3 PLUS controller, SPA3
PH10 controller kit 8	A-5518-1065	UCC T3 PLUS controller, SPA3, MCUlite-2
PH10 controller kit 6	A-5518-1060	UCC T3 PLUS controller, SPA3, MCUlite-2, 48 V - 58 V PSU
PH10 controller kit 9 - 4-axis	A-5518-1067	UCC T3 PLUS controller, 2 × SPA3, MCUlite-2, 2 × 48 V - 58 V PSU,

Product description	Part number	Contents
PH10 controller kit 11 (scanning)	A-5518-1073	UCC S3 controller, SPA3
PH10 controller kit 12 (scanning)	A-5518-1075	UCC S3 controller, SPA3, MCUlite-2
PH10 controller kit 10 (scanning)	A-5518-1070	UCC S3 controller, SPA3, MCUlite-2, 48 V - 58 V PSU
PH10 controller kit 13 - 4-axis (scanning)	A-5518-1077	UCC S3 controller, 2 × SPA3, MCUlite-2 2 × 48 V - 58 V PSU,

Product description	Part number	Contents
PH20 system kit 2	A-5518-1092	PH20 head kit, UCC T5 controller, SPA3
PH20 system kit 3	A-5518-1093	PH20 head kit, UCC T5 controller, 2 x SPA3
PH20 system kit 1	A-5518-1091	PH20 head kit ,UCC T5 controller, SPA3, 48 V - 58 V PSU

Please contact your local Renishaw office for pricing and availability.

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The following part numbers containing UCC2-2 remain available for sale:-

Product description	Part number	Contents
REVO-1 controller kit	A-5121-1006	UCC2-2, SPA2-2 6-axis, 5 axis scanning licence, MCU5, air filter
REVO-1 controller kit	A-5121-2016	UCC2-2, SPA2-2 6axis, 5 axis scanning licence, MCU-W, air filter
REVO-1 controller kit	A-5121-1030	UCC2-2, 2 x SPA2-2 ,5 axis scanning licence, MCU5, air filter
SP80 controller kit	A-5518-1203	UCC2-2, SPA3, Renscan 3 licence, connector kit, SP80 daughter card
SP80 controller kit	A-5518-1205	UCC2-2, SPA3, Renscan 3 licence, connector kit, SP80 daughter card, MCU5
SP80 controller kit	A-5518-1200	UCC2-2, SPA3, Renscan 3 licence, connector kit, SP80 daughter card, MCU5, 48V - 58V PSU,
SP80 controller kit (4-axis)	A-5518-1207	UCC2-2, Renscan 3 licence, connector kit, SP80 daughter card, MCU5, 2 x SPA3, 2 x 48V - 58V PSU

The following part numbers will be obsolete from the 1st March 2016:-

UCC2-2	A-5121-2000	UCC2-2 kit
UCC2-2 kit #1	A-5121-2001	UCC2-2, MCU5, SPA2-2 4-axis, connector kit
UCC2-2 kit #2	A-5121-2002	UCC2-2, MCU5, SPA3, UCC2 scanning licence, connector kit, 48V-58V PSU
UCC2-2 kit #3	A-5121-2003	UCC2-2, MCU5, SPA2-2, UCC2 scanning licence, connector kit
UCC2-2 kit #4	A-5121-2004	UCC2-2, MCU5, SPA2-2 4 axis, UCC2 scanning licence, connector kit
UCC2-2 kit #5	A-5121-2005	UCC2-2, MCU5, SPA2-2 6 axis, UCC2 scanning licence, connector kit, additional axis card
UCC2-2 kit #8	A-5121-2008	UCC2-2, MCU5, SPA2-2, connector kit
UCC2-2 kit #9	A-5121-2008	UCC2-2, MCU5, SPA2-2 4-axis, connector kit
UCC2-2 kit #10	A-5121-2010	UCC2-2, MCU5, SPA2-2 6 axis, additional axis card, connector kit
UCC1 to UCC2 upgrade kit	A-5121-2031	UCC2-2
UCCLite to UCC2 upgrade kit	A-5121-2032	UCC2-2
UCC1 to UCC2 upgrade inc scanning	A-5121-2033	UCC2-2 scanning licence
UCC1 to UCC2 + SPA2-2 upgrade kit	A-5121-2034	UCC2-2 scanning licence, SPA2-2
UCC2 kit	A-5121-1045	UCC2-2, MCULite-2, 2 x SPA2-2, connector kit , TEC
PH20 UCC kit 2	A-5518-1020	UCC2-2,SPA2-2, 5 axis card, PH20 licence, connector kit

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