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Renishaw CMM Products Division
PRODUCT BULLETIN – PBC1179

Product:	UCC*lite-2* and MCU*lite*	Status:	Open
Title:	Launch of UCC*lite-2* and MCU*lite*	Date:	6th March 2008

Originator: Jeff Hall		Distribution:	
		Internal	✓
		Subsidiaries	✓
Reviewer: Brian Gow		**OEMs**	✓
		Distributors	✓
		Retrofitters	✓

Summary:

Renishaw is pleased to announce that the UCC*lite-2* and MCU*lite* are now available for sale. The UCC*lite-2* controller directly replaces the existing UCC*lite* which will be made obsolete with immediate effect.

Description

The UCC*lite-2* controller is an entry level controller suitable for manual and DCC touch trigger CMMs. Where the application is for a DCC system the MCU*lite* joystick compliments the UCC*lite-2* in providing a cost effective CMM control solution.

Upgrading the UCC*lite-2* from manual to DCC operation is a simple matter of updating the license key and requires no hardware changes. The on-board processing of UCClite-2 offers improved motion control and support for tacholess motor systems.

The low cost MCU*lite* joystick is the latest member of the MCU family. With a common look and feel to MCU1 and MCU5 it has a single joystick for 3 axes control, speed control, and emergency stop button but has no LCD screen and reduced keypad functionality.

NOTE: The UCC*lite-2* does not support the use of PC Direct X PC joysticks.

Software

To support the UCC*lite-2* and MCU*lite* we are releasing UCCserver V4.1. Please note the following points:

- To ensure that you get the latest version of software we are no longer providing it on a CD ROM inside the controller packaging, you must download it from **UCCserver.com**.
- V4.1 software **does not** support the original UCC*lite* or UCC1 controllers.

MCU*lite* specification

- Same look and feel as MCU1/ MCU5

- Cable exits from bottom of joystick assembly

- Supplied with a 5 metre flexible cable

- Speed override

- E-Stop button

- Keypad Functionality

    Take point
    Delete point
    Axis locks
    Probe enable/disable
    Engage
    Two user configurable function keys
    Joystick enable fast/slow

- LED Indicators

UCC*lite-2* specification

- Entry level controller suitable for manual and DCC touch trigger CMMs.

- Manual or DCC operation – Upgrade to DCC with simple license key operation.

- Built in touch trigger interface for conventional probes e.g. TP20 (TP200 or TP7 require a separate interface)

- PH10 compatible (requires a separate PHC10 controller)

- Compatible with Renishaw's digital servo power amplifiers SPA2-2 and SPA*lite* as well as conventional analogue amplifiers

- Uses the range of Renishaw MCU joysticks

- Has a simple USB 1 link to the PC

- I++ functionality enabled as standard

- Runs tacho or tacholess systems

- Supports 3 axes of digital scales

- Full CMM error map capability

PC specification

The UCC*lite-2* requires a PC with a minimum specification of:

1 GHz Pentium 3 processor
256Mb RAM
2 GB hard drive
Internet Explorer 6

The UCC*lite-2* is compatible with the following operating systems:

Windows XP Professional
Windows 2000

NOTE: We currently do not support Windows Vista

UCC*lite* kits

A range of new kits have been created for the UCC*lite-2* these kits will immediately obsolete the existing UCC*lite* kits (A-5331-0101, A-5331-0102 and A-5331-0103).

Part number	Kit Contents	Comments
A-5331-0007 MCU*lite*	A-5436-0001 MCU*lite* A-1016-8098 5 metre cable H-1000-5067 MCU Users Guide	MCU*lite* may also be used with UCC*2*
A-5331-0008 UCC*lite-2*	A-5331-0200 UCC*lite-2* M-5331-1004 (2) Mounting Brackets P-SC17-0510 (4) Screws P-CA33-0003 5 metre USB cable P-CN05-0045 44way plug P-CX03-2003 Plug hood	If this controller is not being used with a SPA*lite* it will require a 24V power supply.
A-5331-0004 DCC licence upgrade	DCC licence upgrade	Software key that enables DCC operation (same part number as UCClite)
A-5331-0201 UCC*lite-2* Kit #1	A-5331-0008 UCC*lite-2* kit P-EA02-0021 24V Power supply	Kit for Manual CMMs
A-5331-0202 UCC*lite-2* Kit #2	A-5331-0008 UCC*lite-2* kit A-5331-0004 DCC licence Upgrade A-5331-0007 MCU*lite* joystick kit A-5331-0010 SPA*lite* kit A-5331-0006 Connector & Bracket kit	Kit for small / medium Touch Trigger CMMs, includes SPA*lite*
A-5331-0203 UCC*lite-2* Kit #3	A-5331-0008 UCC*lite-2* kit A-5331-0004 DCC licence Upgrade A-5331-0007 MCU*lite* joystick kit A-5402-8302 SPA*2-2*, 3-axis DC kit A-5331-0006 Connector & Bracket kit P-EA02-0021 24V Power supply	Kit for medium / large Touch Trigger CMMs, includes SPA*2-2*

For DCC systems using non-Renishaw Servo Power Amplifiers please use UCC*lite-2* Kit #1 A-5331-0201 with the DCC license upgrade A-5331-0004.

If you have any questions regarding this bulletin please contact the author.