



# CMM SYSTEM PACK



## HANDHELD COLOUR TOUCHSCREEN JOYSTICK (031)

### FEATURES:

- 3 axis hall effect joystick
- Speed wheel and two function buttons
- High resolution colour touchscreen
- Easy to use graphic interface
- Hardwired Emergency Stop Button ( Cat 2 )
- Supported by most popular CMM packages



## SERVO AMPLIFIER (030)

### FEATURES:

- 12A peak / 6 A continuous per motor
- Optional 48/60Vdc motor voltage
- Brushed motor support
- Adjustable current limit per motor
- Easy potentiometer tuning
- Built-in machine E-stop control logic
- Internal 24Vdc machine supply



## CMM CONTROLLER (004)

### FEATURES:

- 3/4 axes of servo control
- Fully featured integrated probe cycles
- Linear, circular, helical & spherical interpolation
- Extensive joystick probing options
- 16/12 opto-isolated digital inputs & outputs



## CMM SYSTEM PACK

The Deva CMM system packages offer a complete hardware solution for CMM machine control. The packages are based on our well established Deva004 CMM controller card, our new Deva030 compact servo amplifier and our highly innovative Deva031 colour touch screen joystick.

Packages are further enhanced by a variety of Deva018 interpolation and Deva023 readerhead pre-amp options.

The Deva004 CMM controller based packages enjoy a wide range of existing third party software support.

The Deva031 colour touch screen joystick adds a new dimension to CMM machine control and CMM software packages are now able to offer a range of exciting features via the touch screen.

Designed for left or right handed operation the Deva031 is very lightweight and comfortable to use with the speed wheel and main button easily operated by the thumb of the hand holding the device. The other hand is then free to operate the joystick, option button and touch screen.

### PACKAGES

<b>CMMSYSTEMPACKA</b>	Complete system Deva004 CMM controller, Deva030 servo amplifier and Deva031 joystick
<b>CMMSYSTEMPACKB</b>	System comprising Deva004 CMM controller and Deva030 servo amplifier
<b>CMMSYSTEMPACKC</b>	System comprising Deva004 CMM controller and Deva031 joystick

### AMPLIFIER OPTIONS

<b>3DCE</b>	3 DC servo axes	<b>PSU7</b>	48Vdc 360W servo supply universal mains input
<b>4DCE</b>	4 DC servo axes	<b>PSU8</b>	48Vdc 700W servo supply universal mains input
		<b>PSU9</b>	60Vdc 360W servo supply universal mains input
		<b>PSU10</b>	60Vdc 700W servo supply universal mains input

### SCALE INPUT OPTIONS

<b>SIN</b>	Includes 018 interpolators for sinewave scales
<b>BS1</b>	Includes 018 interpolators and 023 readerhead pre-amps

### EXAMPLE ORDER CODES

<b>CMMSYSTEMPACKA-3DCE-PSU7</b>	Full package for 3 axes with 48Vdc servo amplifier
<b>CMMSYSTEMPACKA-4DCE-PSU9</b>	Full package with 4 axes and 60Vdc servo amplifier
<b>CMMSYSTEMPACKA-3DCE-SIN-PSU7</b>	Full package with 3 axes and 018 interpolators
<b>CMMSYSTEMPACKB-3DCE-PSU8</b>	3 axes servo package without joystick and 700W servo amplifier
<b>CMMSYSTEMPACKB-3DCE-BS1-PSU9</b>	3 axes servo package without joystick including 018s and 023s
<b>CMMSYSTEMPACKC</b>	4 axes servo package with joystick

All packages are supplied with comprehensive connector and cable packs. These include all cables between the Deva004, Deva030 and Deva031. Whilst connectors are supplied for all Deva030 connections, installation is completed with the addition of the motor cables, reader head cables and discrete machine IO wiring.