OptiMove axis control (CR09/CR09-C)

Controlled - Precise - Consistent

OptiMove axis control encompasses the control, visualization and input data responsible for the exact movement and positioning adjustment of the axis carriage.
The control unit is extremely compact, user-friendly and easy to operate. Each control module controls a single axis without the need for a higher-level master control.

OptiMove is an integrated, process driven solution that provides controlled and increased application consistency and quality.

Main Features:

- Intuitive user-interface with display of target and actual values
- Operating modes:
  - Automatic reciprocating mode: continous stroke movements
  - Semi-automatic reciprocating mode: continous stroke movement with start/stop triggering when used in conjunction with product recognition
  - Sequence programming mode: Advanced segment programming for precise gun positioning control in challenging applications. Variable stroke, speed or dwell time settings to string together individual movements steps within an individual program for precise control, settings can be saved for future re-use.
- Carriage stroke adjustment in 1 cm steps for the ultimate gun positioning precision
- Programming via a digital touch panel of up to 255 motion programs
- Seamless, closed loop communication to the axis inverter drive and positioning encoder for precision control and application consistency
- Incorporated DigiBus / CANBus for OptiMove type CR09-C
  - Digibus enables ease of integration within third party control systems or for retrofit installation. The CanBus standard is used to interconnect system components and operate in remote mode.

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Model Versions:

- CR09 in combination with ZA10 stand-alone reciprocator
- CR09-C in combination with ZA08 reciprocator and XT11 positioning axis

1 Desired value (upper reversing point, speed upwards, dwell time in the travel position [sec])
2 Actual value (travel distance)
3 Desired value (lower reversing point, speed downwards, program address)
4 Selected program number

Customer Benefits:

- Application control of individual axes or integration into higher level control systems
- Various operating modes covering everything from simple reciprocating movements to complex programmable motion sequences
- Clear visibility and precision settings of the stroke and cycle time for application repeatability and consistency
- Suitable for both long and short stroke applications
- Advanced programing enabling stroke, speed and dwell times to be adapted for advanced 3D product geometries
- Repeatable gun positioning for increased application consistency and quality

Technical Data: **Type OptiMove CR09 / CR09-C**		
Input voltage	200 - 240 VAC 50/60 Hz	
Max. consumption power	1.1 kW	
Max. available programs	255	
Max. speed	0.6 m/s	
Acceleration	0.1 - 2.0 m/s^2	
Corresponding axis	OptiMove CR09 OptiMove CR09-C OptiMove CR09-C	Reciprocator ZA10 Reciprocator ZA08 Reciprocator XT11
Approval	II 3 D IP54 85 °C	

Gema Switzerland reserves the right to make technical changes without notice!