

SMC-II Growth Stage Positioner

- Automated remote communication or local manual control
- Repeatable operation via closed-loop control utilizing optically encoded position feedback
- Certified for all major regulatory compliance standards

Description

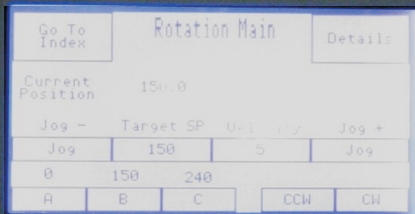
The Veeco SMC-II Growth Stage Positioner (GSP) is utilized with Veeco manipulators to provide very precise closed-loop motion control of substrate indexing (angular position) and substrate rotation. Optically encoded position feedback allows precise, highly accurate and reproducible positioning.

Substrate-control operations can be performed in two ways, separately or in conjunction. The front panel touch-screen display provides continuous alphanumeric readout of substrate position and system operating status, or use a process control computer to remotely send commands to the unit via a serial connection. User-selectable communications protocols (Modbus/RU or Bisync) provide easy integration with existing MBE growth control software.

Non-volatile memory allows fast and automatic recall of configurations and the ability to save a set of custom values.

Product Specifications

Operating temperature	Maximum 35°C/95°F
Operating humidity	20-85%, non-condensing
Operating altitude	Below 1500m/4921ft
AC input voltage	115-230Vrms single phase
AC input frequency	50-60 Hz
Positioning drivers	Rockwell Automation Ultra5000™
Servo motors	Rockwell Automation TLY-A230T™
Chassis type	6U half rack
Physical dimensions	Height 5.25"/13.3cm Width 9.5"/24.1cm Length 22.5"/57.2cm



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Regulatory Compliance

SMC-II Growth Stage Positioner complies with the following international directives.

Safety	2006/95/EC Low Voltage Directive BSEN61010-1:2001
EMI Immunity/Electromagnetic Compatibility	2004/108/EC, EMC Directive EN55011, Group 1 Class A: 1998 EN61000-4-2: 1995 EN61000-4-3: 2002 EN61000-4-4: 1995 EN61000-4-6: 1996 EN61000-4-11: 1994
	CE marked



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Compound Semiconductor • MBE Operations
4900 Constellation Drive, St. Paul, MN 55127 USA
Phone: (651) 482-0800, Fax: (651) 482-0600
www.veeco.com/mbe