



# AUTOMATE

## APEX SC SERIES 3-AXIS TRAVERSING ROBOTS



### STANDARD FEATURES

- C-axis 90° wrist flip
- 2 pneumatic pressure circuits
- 1 vacuum circuit
- SPI compatible 32-pin/10 amp robot side connector
- Rigid steel structure built for steady movement and precision positioning with various payload capabilities
- Multi function program built in as standard
- 14 spare inputs / outputs
- Cable guide protection on electrical wires and air hoses
- Offers rapid acceleration and deceleration
- Precision positioning and accurate repeatability within  $\pm 0.1\text{mm}$

### STATE OF THE ART CONTROLLER

The one-key/one function controller comes with a large LCD screen, providing easy and user-friendly operation.



### OPTIONAL FEATURES

- Additional pneumatic pressure circuit(s)
- Additional vacuum circuit(s)
- A-axis pneumatic wrist rotate
- End of arm tooling quick change plate(s) for additional tools
- Two stage telescopic vertical arm for overhead clearance issues (standard on models 1500 and larger)



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**SYSTEMS  
CONTRACTING**

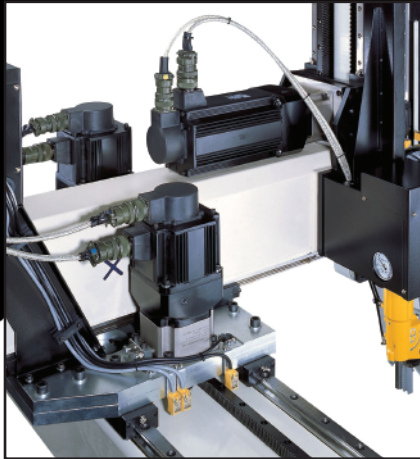


**SERVICE**

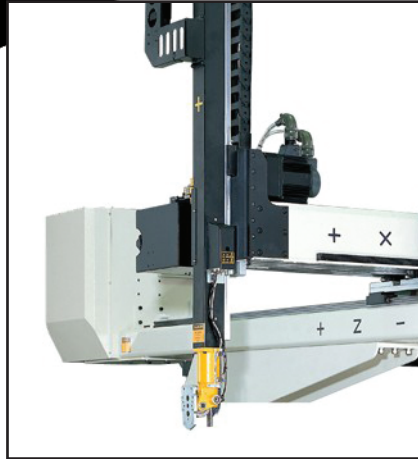


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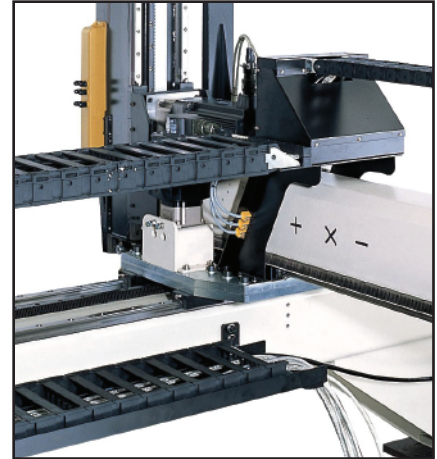
## APEX SC SERIES 3-AXIS TRAVERSING ROBOTS



3-axis synchronized movement  
CNC servo motor drives



Beam mounted control box  
saves on floor space



Rack and pinion gear on all 3 axes  
(models 1500 and higher)

### SMALL BEAM (80-1000 TON) TRAVERSE ROBOTS

Model Number	Vertical Stroke, mm (in.)	Kick Stroke, mm (in.)	Traverse Stroke, mm (in.)	Payload, lbs.
<b>Single stage vertical arm</b>				
SC-900-1720	900 (35.4)	400 (15.7)	1720 (67.7)	26.4
SC-900-1960			1960 (77.2)	
SC-900-2200			2200 (86.6)	
SC-900-2600			2600 (102.4)	
SC-900-3000			3000 (118.1)	
SC-1100-1960	1100 (43.3)	520 (20.5)	1960 (77.2)	
SC-1100-2200			2200 (86.6)	
SC-1100-2600			2600 (102.4)	
SC-1100-3000			3000 (118.1)	
SC-1300-2200	1300 (51.2)	640 (25.2)	2200 (86.6)	
SC-1300-2600			2600 (102.4)	
SC-1300-3000			3000 (118.1)	

Note: Above models 900-1300 also available in two stage telescopic configuration for low overhead clearance

### LARGE BEAM (1500-4500 TON) TRAVERSE ROBOTS

Model Number	Vertical Stroke, mm (in.)	Kick Stroke, mm (in.)	Traverse Stroke, mm (in.)	Payload, lbs.
<b>Two stage telescopic vertical arm</b>				
SC-1500T-2140	1500 (59.1)	760 (29.9)	2140 (84.3)	66.0
SC-1500T-2320			2320 (91.3)	
SC-1500T-2500			2500 (98.4)	
SC-1500T-3000			3000 (118.1)	
SC-1500T-3500			3500 (137.8)	
SC-1700T-2320	1700 (66.9)	880 (34.6)	2320 (91.3)	
SC-1700T-2500			2500 (98.4)	
SC-1700T-3000			3000 (118.1)	
SC-1700T-3500			3500 (137.8)	
SC-2000T-2500	2000 (78.7)	1000 (39.4)	2500 (98.4)	
SC-2000T-3000			3000 (118.1)	
SC-2000T-3500			3500 (137.8)	
SC-2500T-3060	2500 (98.4)	1200 (47.2)	3060 (120.5)	
SC-2500T-4000			4000 (157.5)	
SC-2500T-5000			5000 (196.9)	
SC-3000T-3060	3000 (118.1)	1380 (54.3)	3060 (120.5)	
SC-3000T-4000			4000 (157.5)	
SC-3000T-5000			5000 (196.9)	

\* Operating voltage: 220/3/60



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### ENGINEERING TOTAL PROCESS SOLUTIONS WITH INTEGRATED AEC EQUIPMENT

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