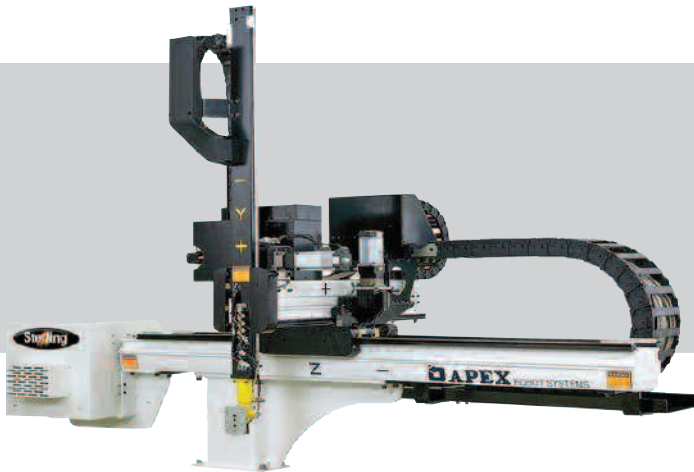


APEX SC-W SERIES



Apex SC-W Series High Speed
Servo Robot 50-220 ton



SC-W SERIES HIGH SPEED SERVO DRIVEN ROBOTS

Features

- 3-axis AC brushless servo motors
- Full color 8.4" touch screen control pendant
- C-90° pneumatic wrist rotate
- SPI interface, includes 32 pin 10-amp robot side connector
- Machine platen spacer with recommended mounting bolt hole pattern

Options

- Y-Axis Servo Wrist Pivot – Includes Pneumatic C-Axis 90° Wrist Flip
- A-axis pneumatic wrist rotation for part/runner orientation
- Additional pressure and / or vacuum circuit(s)
- Additional EOAT Quick-Change plates
- Non-SPI interface

Specifications

- Spare I/O—Fourteen (14) inputs / Twelve (12) outputs
- SPI / Euromap 12 or 67 (see notes)
- Air requirement: 80 PSI clean dry air
- Electrical requirement: 220 VAC, Three phase, 60 Hertz
- Available in operator or non-operator side unload configurations
- One (1) year parts warranty (excluding on-site labor/travel expenses)
- Two (2) year warranty on the hand-held pendant

Mechanical Advantages Include:

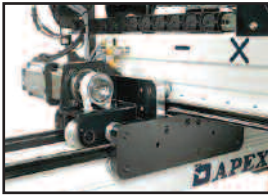
- High precision linear guide systems—enhanced motion and repeatability
- All axis AC Servo motor drive for enhanced in-mold and secondary positioning
- One (1) vacuum-circuit and two (2) pressure circuits with verification
- End-of-arm-tooling “Quick-Change” system—Robot and EOAT side included
- Quick disconnects for electrical connections
- Telescoping vertical arm available for low overhead clearance; also provides enhanced speed

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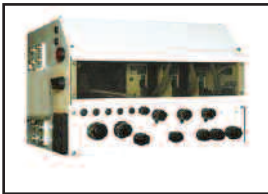
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Specifications - Single Stage Vertical Arm

Model	Main Arm Vertical Stroke mm (in.)	Main Arm Kick Stroke mm (in.)	Traverse Stroke mm (in.)	Max. Payload
SC-750W	750 (29.5)	352 (13.9)	1020 (40.2)	6.6 lbs
SC-950W	950 (37.4)	472 (18.9)	1200 (47.2)	



All moving axes rides on hardened steel rail with bearing guide. Less friction and smooth movement that is ideal for high speed applications.



Equipped with AC brushless servo motors and individual control. 3 axes can be synchronized to move to a designated point at the same time.



Alloy aluminum extrusion arm. Thin-wall design for tight mold space and high speed take-out.

Control Features

- Windows® based PC operating system
- AMD 500MHz CPU—512 meg. DDR memory
- Compact flash memory
- Upload and download programs directly on the pendant
- Stores up to 10,000 programs
- Fully end-user programmable—8.4" graphical color touch screen
- USB port equipped for additional off-line data storage and file transfer between like robots

