



# SPRUE PICKING SWING-ARM ROBOTS

## Single Stage (V Models) & Telescopic Arm (WV Models)

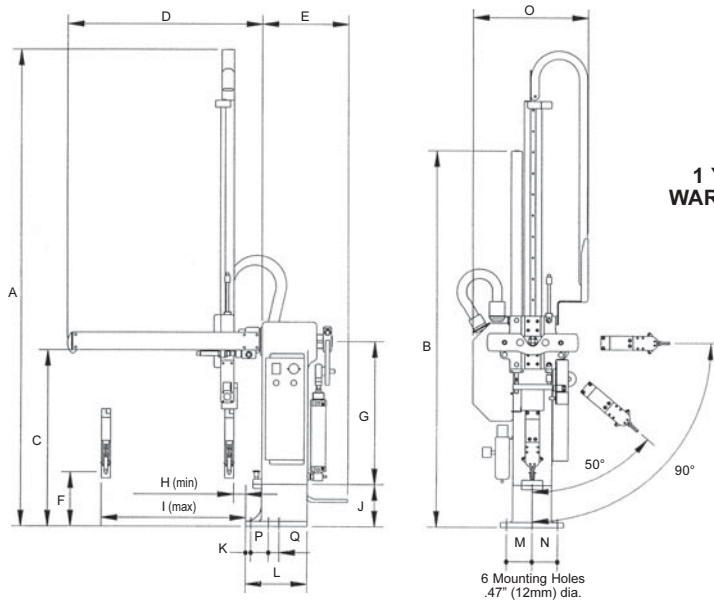
### SPECIFICATIONS - PHOENIX Series

| TYPE             | P450V              | P550V              | P650V              | P650WV             | P750WV             | P850WV             | P950WV             |
|------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| I.M.M.           | 30 ~ 60 Tons       | 50 ~ 100 Tons      | 50 ~ 150 Tons      | 50 ~ 150 Tons      | 150 ~ 200 Tons     | 200 ~ 250 Tons     | 200 ~ 300 Tons     |
| Power            | 110 Volt 60 Hz     | 110 Volt 60 Hz     | 110 Volt 60 Hz     | 110 Volt 60 Hz     | 110 Volt 60 Hz     | 110 Volt 60 Hz     | 110 Volt 60 Hz     |
| Air Consumption  | 0.04 (Cu ft/Cycle) | 0.06 (Cu ft/Cycle) | 0.06 (Cu ft/Cycle) | 0.08 (Cu ft/Cycle) | 0.09 (Cu ft/Cycle) | 0.10 (Cu ft/Cycle) | 0.11 (Cu ft/Cycle) |
| Air Pressure     | 73 psi             | 73 psi             | 73 psi             | 73 psi             | 73 psi             | 73 psi             | 73 psi             |
| Take-out Time    | Max. 0.7 Sec       | Max. 0.8 Sec       | Max. 0.9 Sec       | Max. 0.9 Sec       | Max. 1.0 Sec       | Max. 1.2 Sec       | Max. 1.4 Sec       |
| Total Cycle Time | Max. 3.5 Sec       | Max. 4.2 Sec       | Max. 4.4 Sec       | Max. 4.2 Sec       | Max. 4.8 Sec       | Max. 5.2 Sec       | Max. 6.0 Sec       |
| Max Payload      | Max. 2.2 lb.       | Max. 4.4 lb.       | Max. 4.4 lb.       | Max. 4.4 lb.       | Max. 4.4 lb.       | Max. 4.4 lb.       | Max. 4.4 lb.       |
| Extension Stroke | Max 17.7 inch      | Max 21.7 inch      | Max 25.6 inch      | Max 25.6 inch      | Max 29.5 inch      | Max 33.5 inch      | Max 37.4 inch      |
| Kick Stroke      | Max 2.9 inch       | Max 4.7 inch       | Max 4.7 inch       | Max 4.7 inch       | Max 7.8 inch       | Max 7.8 inch       | Max 7.8 inch       |
| Swing Angle      | Min 60°~Max 90°    | Min 60°~Max 90°    | Min 60°~Max 90°    | Min 60°~Max 90°    | Min 60°~Max 90°    | Min 60°~Max 90°    | Min 60°~Max 90°    |
| Net Weight       | 68.3 lb            | 77.2 lb            | 79.4 lb            | 110.2 lbs          | 112.4 lb           | 119.1 lb           | 121.3 lb           |

\*V denotes vacuum generator models.

\*W denotes telescoping models. Telescoping models offer shorter overall height.

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MANUFACTURED IN A  
QUALITY SYSTEM CERTIFIED  
FACILITY.



1 YEAR  
WARRANTY

### SINGLE STAGE Vertical Arm Models

| Features & Functions  | Model | Price      |
|---|-------|------------|
| Supplied with:<br>SPI Interface Connector,<br>Sprue Picking, 90° Wrist,<br>Vacuum Generator for<br>End of Arm Tooling Kit | P450V | \$2,800.00 |
|   | P550V | \$3,075.00 |
|   | P650V | \$3,100.00 |

### TELESCOPIC Vertical Arm Models

| Features & Functions  | Model  | Price      |
|---|--------|------------|
| Supplied with:<br>SPI Interface Connector,<br>Sprue Picking, 90° Wrist,<br>Vacuum Generator for<br>End of Arm Tooling Kit,<br>plus shorter overall height | P650WV | \$4,075.00 |
|   | P750WV | \$4,150.00 |
|   | P850WV | \$4,450.00 |
|   | P950WV | \$4,600.00 |

### TWIN Double Arm Model

| Features & Functions  | Model          | Price                                      |
|---|----------------|--|
| Double Arm:<br>Arm 1 = Sprue Picking<br>Arm 2 = Sprue Picking,<br>90° Wrist plus End of<br>Arm Vacuum Tooling | TWIN650<br>AXC | <del>\$7,400.00</del><br><b>\$3,995.00</b> |

SPI Interface Connector for the Molding Machine  
Part No. TOP10999A ..... \$110.00

SPI Interface Connector for the Sprue Picker  
Part No. TOP10999 (comes w/picker) ..... \$151.00

### DIMENSIONS

| MODEL  | A                              | B                | C                             | D               | E               | F                      | G                             | H              | I               | J              | K             | L              | M             | N             | O               | P             | Q             |
|--------|--------------------------------|------------------|-------------------------------|-----------------|-----------------|------------------------|-------------------------------|----------------|-----------------|----------------|---------------|----------------|---------------|---------------|-----------------|---------------|---------------|
| P450V  | 38.78 - 44.68"<br>985 - 1135mm | 36.10"<br>917mm  | 11.81 - 17.72"<br>300 - 450mm | 15.55"<br>395mm | 5.91"<br>150mm  | 0 - 5.91"<br>0 - 150mm | 12.80 - 18.70"<br>325 - 475mm | 1.18"<br>30mm  | 9.06"<br>230mm  | 1.97"<br>50mm  | 0.59"<br>15mm | 5.51"<br>140mm | 2.17"<br>55mm | 2.17"<br>55mm | 11.22"<br>285mm | 1.57"<br>40mm | 1.18"<br>30mm |
| P550V  | 53.15"<br>1350mm               | 42.52"<br>1080mm | 20.00"<br>508mm               | 22.05"<br>560mm | 10.04"<br>255mm | 8.27"<br>210mm         | 16.26"<br>413mm               | 1.97"<br>50mm  | 16.54"<br>420mm | 4.72"<br>120mm | 0.59"<br>15mm | 6.89"<br>175mm | 2.95"<br>75mm | 2.95"<br>75mm | 11.81"<br>300mm | 1.97"<br>50mm | 1.18"<br>30mm |
| P650V  | 57.09"<br>1450mm               | 46.46"<br>1180mm | 20.00"<br>508mm               | 22.05"<br>560mm | 10.04"<br>255mm | 8.27"<br>210mm         | 16.26"<br>413mm               | 1.97"<br>50mm  | 16.54"<br>420mm | 4.72"<br>120mm | 0.59"<br>15mm | 6.89"<br>175mm | 2.95"<br>75mm | 2.95"<br>75mm | 11.81"<br>300mm | 1.97"<br>50mm | 1.18"<br>30mm |
| P650WV | 43.70"<br>1110mm               | 35.04"<br>890mm  | 20.00"<br>508mm               | 22.05"<br>560mm | 10.04"<br>255mm | 7.68"<br>195mm         | 16.26"<br>413mm               | 5.31"<br>135mm | 16.93"<br>430mm | 4.72"<br>120mm | 0.59"<br>15mm | 6.89"<br>175mm | 2.24"<br>57mm | 3.66"<br>93mm | 11.81"<br>300mm | 1.97"<br>50mm | 1.18"<br>30mm |
| P750WV | 45.67"<br>1160mm               | 37.01"<br>940mm  | 20.00"<br>508mm               | 22.05"<br>560mm | 10.04"<br>255mm | 7.68"<br>195mm         | 16.26"<br>413mm               | 5.31"<br>135mm | 16.93"<br>430mm | 4.72"<br>120mm | 0.59"<br>15mm | 6.89"<br>175mm | 2.24"<br>57mm | 3.66"<br>93mm | 11.81"<br>300mm | 1.97"<br>50mm | 1.18"<br>30mm |
| P850WV | 47.64"<br>1210mm               | 38.98"<br>990mm  | 20.00"<br>508mm               | 22.05"<br>560mm | 10.04"<br>255mm | 7.68"<br>195mm         | 16.26"<br>413mm               | 5.31"<br>135mm | 16.93"<br>430mm | 4.72"<br>120mm | 0.59"<br>15mm | 6.89"<br>175mm | 2.24"<br>57mm | 3.66"<br>93mm | 11.81"<br>300mm | 1.97"<br>50mm | 1.18"<br>30mm |
| P950WV | 49.61"<br>1260mm               | 40.95"<br>1040mm | 20.00"<br>508mm               | 22.05"<br>560mm | 10.04"<br>255mm | 7.68"<br>195mm         | 16.26"<br>413mm               | 5.31"<br>135mm | 16.93"<br>430mm | 4.72"<br>120mm | 0.59"<br>15mm | 6.89"<br>175mm | 2.24"<br>57mm | 3.66"<br>93mm | 11.81"<br>300mm | 1.97"<br>50mm | 1.18"<br>30mm |

Quality improvements, specifications and dimensions are subject to change without notice.



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