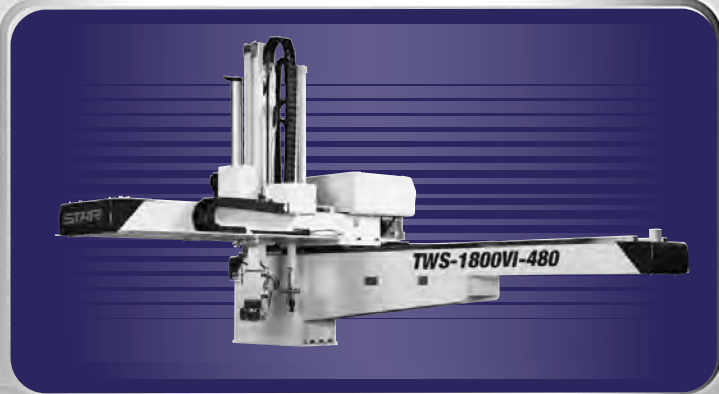


◎ INJECTION PRESS RANGE **900-2500 ton** ◎

*Digital AC SERVO Robot Series*

# TW-1800VI

# TWS-1800VI



## COMMON SPECIFICATIONS

Power Source	Air Pressure	Drive	Posture (Air Cylinder)	Recommended Max Load	Posture Torque @ 70 PSI	Control Types
200 VAC ± 10% 60 Hz	70 psi (.49 MPa)	AC Servo Motor	90°	77 lbs (35 kg)	64.9 ft-lbs (88 N.m)	STEC-480 STEC-380

\* It is possible to increase the Maximum Load capacity depending on the speed acceleration & deceleration data.

## GENERAL SPECIFICATIONS

Model	Stroke				Electric Consumption (kVA)	Max Power Consumption (kw)	Net Weight		Air Consumption
	(P) Vertical	(R) Vertical	Crosswise	Traverse			Main Body	Pendant and Stand	
<b>TW-1800VI</b>	70.9" (1800 mm)	N/A	62.6" (1590 mm)	118.1" (3000 mm)	7.5	3.85	3179 lbs (1442 kg)	30 lbs (13.3 kg)	2.1 ft <sup>3</sup> (59.9l/cycle)
<b>TWS-1800VI</b>	70.9" (1800 mm)	72.8" (1850 mm)	(P)55.7" (1415 mm) (R)55.7" (1415 mm)	118.1" (3000 mm)	9.8	5.0	3327 lbs (1509 kg)	30 lbs (13.3 kg)	2.1 ft <sup>3</sup> (59.9l/cycle)

## STANDARD FEATURES

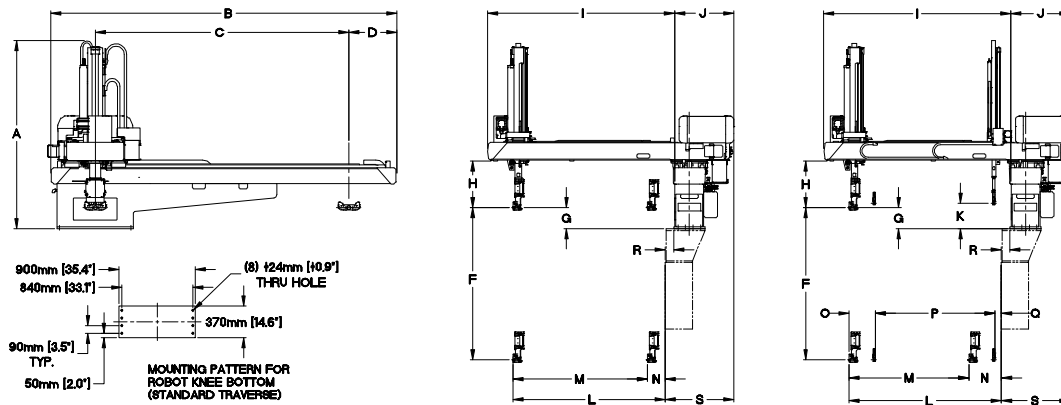
Vacuum Generator with Part Present Sensor
Part Grip Circuit
Sprue Grip Circuit
Selectable Fixed Side Extract
Defective Product Drop
Sample and Chuck Change Positions
Product Packaging (256 each axis)
CNC Step Programming
Compact Flash Memory
CPC® and AMP® Connections at the Head
Active Vibration Control
IMM Mounting Weldment
Multi-Level Password Protection
Position, Speed, and Timer Adjust in Auto
Alarm History
Grease Pocket LM Bearings
Central Lube
Vacuum Pressure Display & Adjust

## OPTION LIST

Additional Vacuum Generator with Part Present Sensor
Additional Part Grip
Nipper on Chuck
Rotation 90°, 180° 2-Position, 180° 3-Position
Shuttle on Tool
Mold Spray
Air Blow
1-3 Color Alarm Light
Special Paint
Free Packaging
Quick Chuck Change
Absolute Encoder
Extended Strokes
Servo Posture Rotate

ISO 9001  
Certified Quality  
Management  
System

## OVERALL DIMENSIONS



		TW-1800VI	TWS-1800VI
A	Overall Height	86.22" (2190 mm)	87.60" (2225 mm)
B	Overall Width	161.10" (4092 mm)	161.10" (4092 mm)
C	Traverse Stroke	118.11" (3000 mm)	118.11" (3000 mm)
D	Overhang, Release Side	22.28" (566 mm)	22.28" (566 mm)
E	Cable Guide Overhang	0.0" (0 mm)	0.0" (0 mm)
F	(P) Vertical Stroke	70.87" (1800 mm)	70.87" (1800 mm)
G	(P) Vertical Standby	9.84" (250 mm)	9.84" (250 mm)
H	Bottom of Crosswise to Chuck Mount Position	21.65" (550 mm)	21.65" (550 mm)
I	Crosswise Arm	87.09" (2212 mm)	87.09" (2212 mm)
J	Thickness	27.56" (700 mm)	27.56" (700 mm)
K	(R) Vertical Standby	—	11.81" (300 mm)
L	(P) Crosswise Reach	70.87" (1800 mm)	70.87" (1800 mm)
M	(P) Crosswise Stroke Max.	62.60" (1590 mm)	55.71" (1415 mm)
N	(P) Crosswise Standby Min.	8.27" (210 mm)	15.16" (385 mm)
O	(P) (R) Proximity Min.	—	12.20" (310 mm)
P	(R) Crosswise Stroke Max	—	55.71" (1415 mm)
Q	(R) Crosswise Standby Min.	—	2.95" (75 mm)
R	Base Offset	3.94" (100 mm)	3.94" (100 mm)
S	Mold Mounting Face - Box End	31.89" (810 mm)	31.89" (810 mm)



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