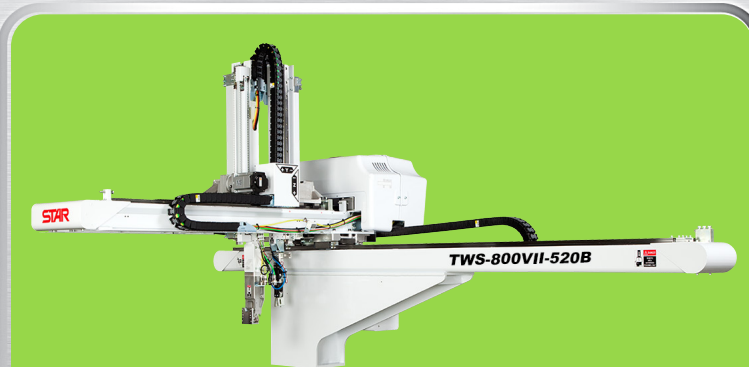


● INJECTION PRESS RANGE: 80-300 TON ●

*Digital AC SERVO Robot Series*

# TW-800VII

# TWS-800VII



## COMMON SPECIFICATIONS

| Power Source            | Air Pressure     | Drive          | Posture (air cylinder) | Recommended Max Load | Posture Torque @ 70 PSI | Control Types |
|-------------------------|------------------|----------------|------------------------|----------------------|-------------------------|---------------|
| 200 VAC $\pm$ 10% 60 Hz | 70 psi (.48 MPa) | AC Servo Motor | 90°                    | 11 lbs (5 kg)        | 14.9 ft-lbs (20.2 N·m)  | STEC-520B     |

## GENERAL SPECIFICATIONS

| Model      | Stroke         |                |                                        |               | Electric Consumption (kVA) | Max Power Consumption (kW) | Main Body Weight (KG) | Air Consumption (ft <sup>3</sup> ) |
|------------|----------------|----------------|----------------------------------------|---------------|----------------------------|----------------------------|-----------------------|------------------------------------|
|            | (P) Vertical   | (R) Vertical   | Crosswise                              | Traverse      |                            |                            |                       |                                    |
| TW-800VII  | 33.5" (850 mm) | N/A            | 30.3" (770 mm)                         | 63" (1600 mm) | 2.9                        | 1.7                        | 342 (754 lbs)         | 0.077 (2.2 NI / Cycle)             |
| TWS-800VII | 33.5" (850 mm) | 33.5" (850 mm) | (P)26.6" (675 mm)<br>(R)26.6" (675 mm) | 63" (1600 mm) | 3.5                        | 2.1                        | 383 (844 lbs)         | 0.081 (2.3 NI / Cycle)             |

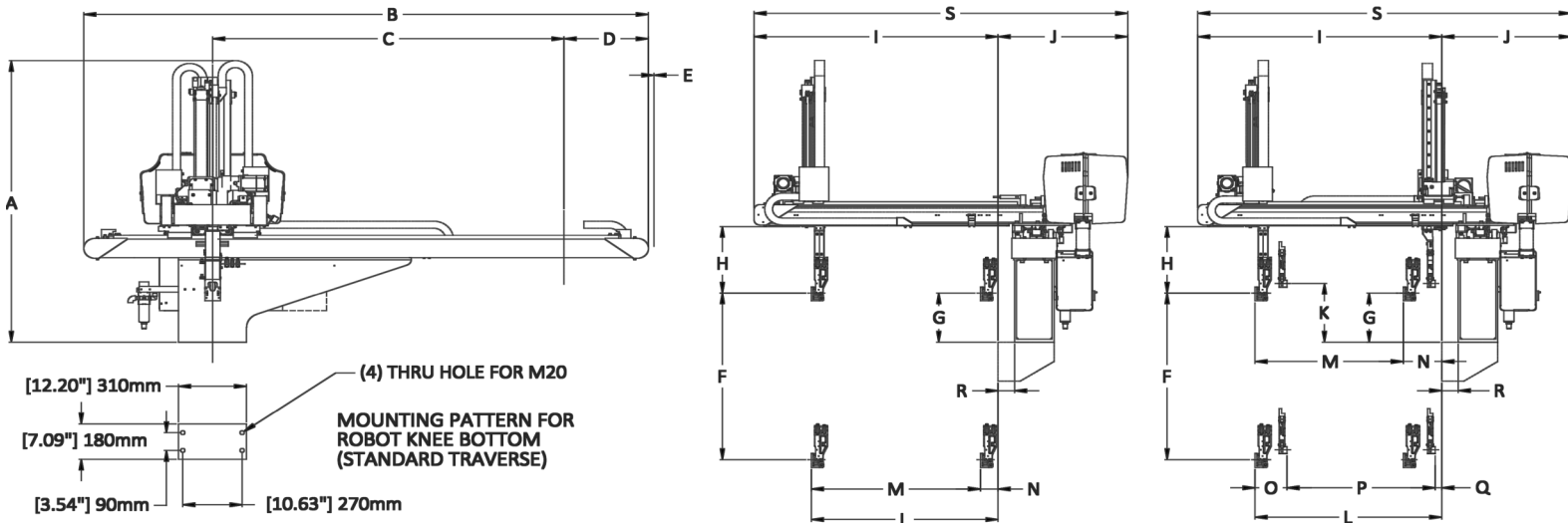
## STANDARD FEATURE

- Vacuum Generator with Part Present Sensor
- Part Grip Circuit
- Sprue Grip Circuit
- USB Port
- Ethernet Port
- Sample and Chuck Change Positons
- Product Packaging (256 each axis)
- CNC Step Programming
- Micro SD
- 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

## 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
- Central Lube
- Quick Chuck Change
- Servo Posture Wrist
- Servo Posture Rotate

### OVERALL DIMENSIONS



|   |                                             | TW-800VII        | TWS-800VII       |
|---|---------------------------------------------|------------------|------------------|
| A | Overall Height                              | 56.57" (1437mm)* | 56.57" (1437mm)* |
| B | Overall Width                               | 101.22" (2571mm) | 101.22" (2571mm) |
| C | Traverse Stroke                             | 62.99" (1600mm)  | 62.99" (1600mm)  |
| D | Overhang, Release Side                      | 15.59" (396mm)   | 15.59" (396mm)   |
| E | Cable Guide Overhang                        | 0                | 0                |
| F | (P) Vertical Stroke                         | 33.46" (850mm)   | 33.46" (850mm)   |
| G | (P) Vertical Standby                        | 9.84" (250mm)    | 9.84" (250mm)    |
| H | Bottom of Crosswise to Chuck Mount Position | 13.39" (340mm)   | 13.39" (340mm)   |
| I | Mold Mounting Face - Crosswise Arm End      | 43.74" (1111mm)  | 43.74" (1111mm)  |
| J | Mold Mounting Face - Box End                | 23.23" (590mm)   | 23.23" (590mm)   |
| K | (R) Vertical Standby                        | -                | 11.81" (300mm)   |
| L | (P) Crosswise Reach Max.                    | 33.46" (850mm)   | 33.46" (850mm)   |
| M | (P) Crosswise Stroke Max.                   | 30.32" (770mm)   | 26.57" (675mm)   |
| N | (P) Crosswise Standby Min.                  | 3.15" (80mm)     | 6.89" (175mm)    |
| O | (P) Proximity Min.                          | -                | 5.71" (145mm)    |
| P | (R) Crosswise Stroke Max.                   | -                | 26.57" (675mm)   |
| Q | (R) Crosswise Standby Min.                  | -                | 1.18" (30mm)     |
| R | Base Offset                                 | 2.95" (75mm)     | 2.95" (75mm)     |
| S | Box End - Crosswise Arm End                 | 66.97" (1701mm)  | 66.97" (1701mm)  |

\*Some units may be 15mm taller  
All stated here is subject to change without notice



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