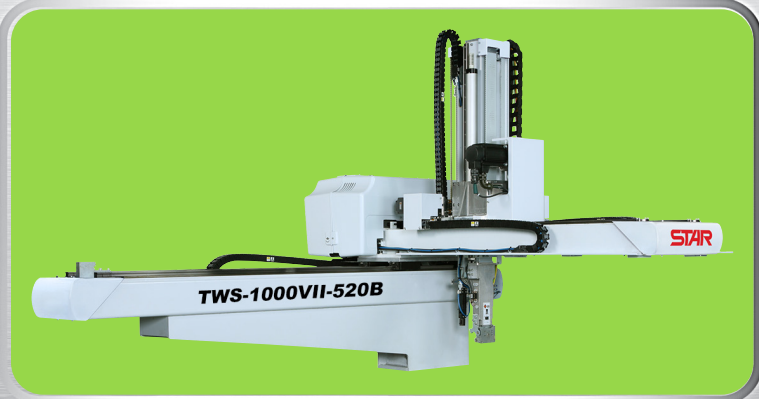


● INJECTION PRESS RANGE: 250-450 TON ●

*Digital AC SERVO Robot Series*

# TW-1000VII

# TWS-1000VII



## COMMON SPECIFICATIONS

| Power Source                              | Air Pressure     | Drive          | Posture (air cylinder) | Recommended Max Load | Posture Torque @ 70 PSI   | Control Types |
|-------------------------------------------|------------------|----------------|------------------------|----------------------|---------------------------|---------------|
| 200-220 VAC $\pm$ 10%<br>3 Phase, 50/60Hz | 70 psi (.48 MPa) | AC Servo Motor | 90°                    | 33 lbs (15 kg)       | 42.6 ft-lbs<br>(57.7 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-1000VII  | 43.31"<br>(1100 mm) | N/A                 | 44.49"<br>(1130 mm) | 70.87"<br>(1800 mm) | 6.0                        | 3.6                        | 620<br>(1366 lbs)     | 0.48<br>(13.5 NI / Cycle)          |
| TWS-1000VII | 43.31"<br>(1100 mm) | 45.28"<br>(1150 mm) | 41.34"<br>(1050 mm) | 70.87"<br>(1800 mm) | 8.3                        | 5.0                        | 670<br>(1477 lbs)     | 0.48<br>(13.6 NI / Cycle)          |

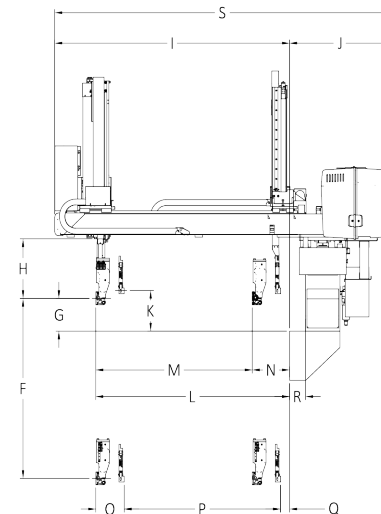
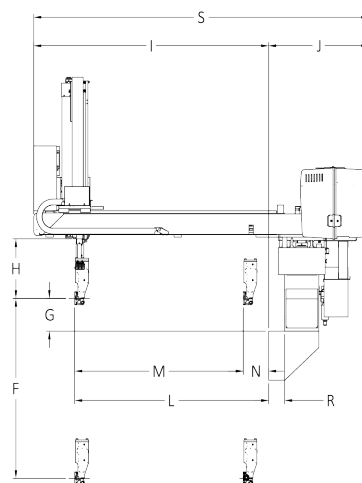
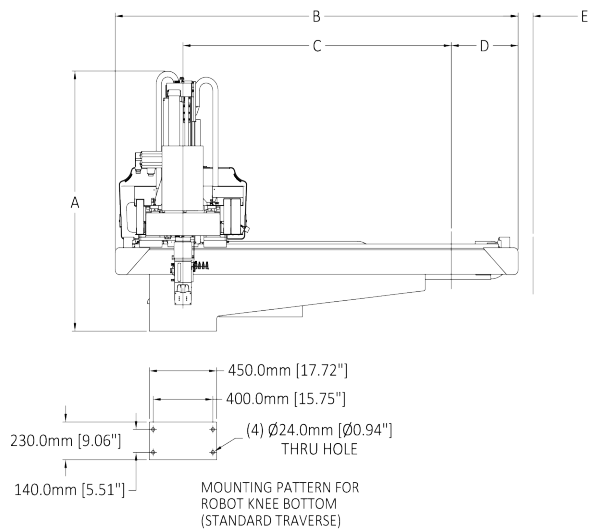
## STANDARD FEATURE

|                                           |
|-------------------------------------------|
| 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-1000VII       | TWS-1000VII      |
|---|--------------------------------------------|------------------|------------------|
| A | Overall Height                             | 61.10" (1552mm)* | 62.68" (1592mm)  |
| B | Overall Width                              | 106.46" (2704mm) | 106.46" (2704mm) |
| C | Traverse Stroke                            | 70.87" (1800mm)  | 70.87" (1800mm)  |
| D | Overhang, Release Side                     | 17.68" (449mm)   | 17.68" (449mm)   |
| E | Cable Guide Overhang                       | 0                | 0                |
| F | (P) Vertical Stroke                        | 43.31" (1100mm)  | 43.31" (1100mm)  |
| G | (P) Vertical Standby                       | 7.87" (200mm)    | 7.87" (200mm)    |
| H | Bottom of Crosswise to Chuck Mount Postion | 14.76" (375mm)   | 14.76" (375mm)   |
| I | Mold Mounting Face - Crosswise Arm End     | 62.01" (1575mm)  | 62.01" (1575mm)  |
| J | Mold Mounting Face - Box End               | 26.50" (673mm)   | 26.50" (673mm)   |
| K | (R) Vertical Standby                       | -                | 9.84" (250mm)    |
| L | (P) Crosswise Reach Max.                   | 51.18" (1300mm)  | 51.18" (1300mm)  |
| M | (P) Crosswise Stroke Max.                  | 44.49" (1130mm)  | 41.34" (1050mm)  |
| N | (P) Crosswise Standby Min.                 | 6.69" (170mm)    | 9.84" (250mm)    |
| O | (P) Proximity Min.                         | -                | 7.48" (190mm)    |
| P | (R) Crosswise Stroke Max.                  | -                | 41.34" (1050mm)  |
| Q | (R) Crosswise Standby Min.                 | -                | 2.36" (60mm)     |
| R | Base Offset                                | 4.25" (108mm)    | 4.25" (108mm)    |
| S | Box End - Crosswise Arm End                | 88.50" (2248mm)  | 88.50" (2248mm)  |

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



### Wisconsin (HQ)

N90 W14401 Commerce Drive  
Menomonee Falls, WI 53051  
Phone: 262-253-3550  
Fax: 262-253-3559  
Email: kscheife@starautomation.com

### California

18141 Beach Blvd. Unit 195  
Huntington Beach, CA 92648  
Phone: 714-375-2400  
Fax: 714-375-2446  
Email: ryamasaki@starautomation.com

### Georgia

5555 Oakbrook Parkway Suite 320  
Norcross, GA 30093  
Phone: 770-582-9350  
Fax: 770-582-9351  
Email: chebert@starautomation.com

### Indiana

5625 Vogel Road Unit B  
Evansville, IN 47715  
Phone: 812-475-9947  
Fax: 812-475-9949  
Email: sberry@starautomation.com

### Michigan

17197 North Laurel Park Dr. Suite 125  
Livonia, MI 48152  
Phone: 734-462-9522  
Fax: 734-462-9527  
Email: ttsukuda@starautomaiton.com

### Rhode Island

860A Waterman Avenue  
E Providence, RI 02914  
Phone: 401-434-0617  
Fax: 401-434-0627  
Email: sales@starautomation.com

### Tennessee

Sales Phone: 678-428-4202  
Service Phone: 615-796-5670  
Email: chebert@starautomation.com

### Star Seiki Mexico S.A. De C.V.

Blvd Bernardo Quintana #7001  
Torre II Oficina 1004 Colonia Centro Sur,  
Queretaro, CP. 76090 Mexico  
Phone: +52-442-199-5180  
Email: knomura@starseikimexico.com