

● INJECTION PRESS RANGE: 350-600 TON ●

*Digital AC SERVO Robot Series*

## TW-1300HMOVII

## TWS-1300HMOVII



### 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°                    | 22 lbs (10 kg)       | 40.6 ft-lbs<br>(55.0 N·m) | STEC-520B     |

### GENERAL SPECIFICATIONS

| Model          | Stroke              |                     |                     |                     | Electric Consumption (kVA) | Max Power Consumption (kW) | Main Body Weight (KG) | Air Consumption (ft³)     |
|----------------|---------------------|---------------------|---------------------|---------------------|----------------------------|----------------------------|-----------------------|---------------------------|
|                | (P) Vertical        | (R) Vertical        | Crosswise           | Traverse            |                            |                            |                       |                           |
| TW-1300HMOVII  | 55.12"<br>(1400 mm) | N/A                 | 44.49"<br>(1130 mm) | 78.74"<br>(2000 mm) | 12.0                       | 7.2                        | 1077<br>(2374 lbs)    | 0.54<br>(15.3 NI / Cycle) |
| TWS-1300HMOVII | 55.12"<br>(1400 mm) | 57.09"<br>(1450 mm) | 38.98"<br>(990 mm)  | 78.74"<br>(2000 mm) | 18.0                       | 10.8                       | 1153<br>(2542 lbs)    | 0.54<br>(15.4 NI / Cycle) |

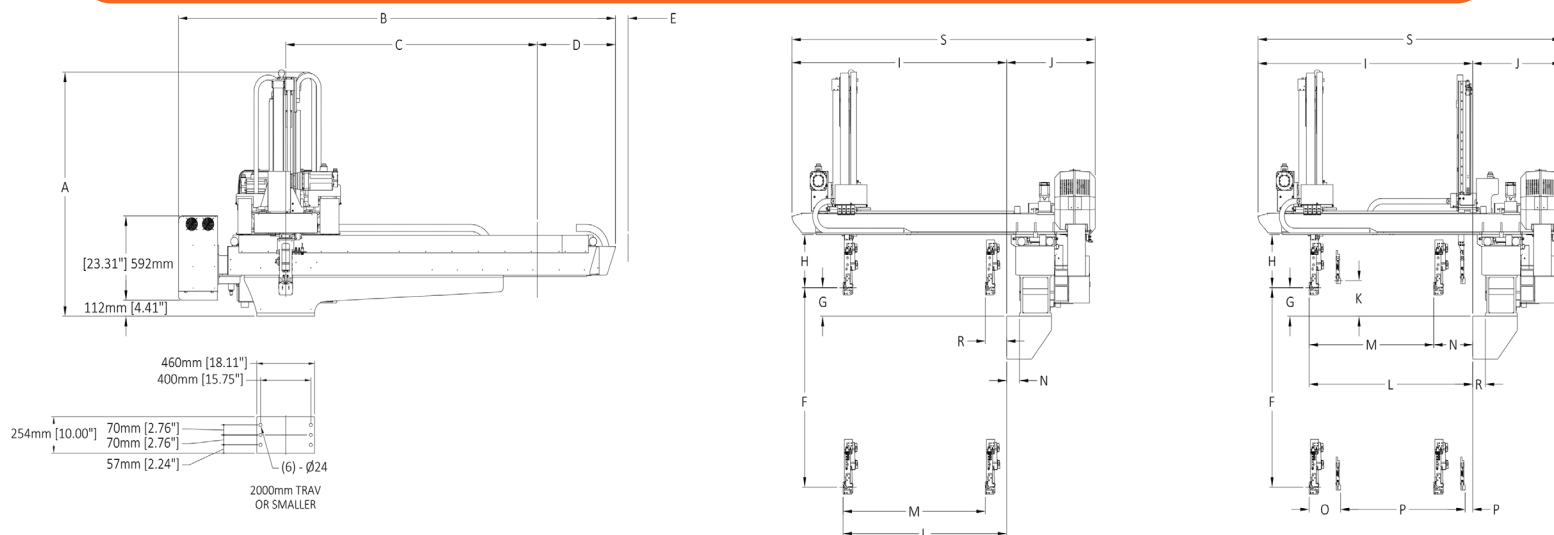
### STANDARD FEATURE

- 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 Card
- 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

## OVERALL DIMENSIONS



|   |                                            | TW-1300HMOVII    | TWS-1300HMOVII   |
|---|--------------------------------------------|------------------|------------------|
| A | Overall Height                             | 67.48" (1714mm)  | 67.48" (1714mm)  |
| B | Overall Width                              | 136.77" (3474mm) | 136.77" (3474mm) |
| C | Traverse Stroke                            | 78.74" (2000mm)  | 78.74" (2000mm)  |
| D | Overhang, Release Side                     | 24.45" (621mm)   | 24.45" (621mm)   |
| E | Cable Guide Overhang                       | 0                | 0                |
| F | (P) Vertical Stroke                        | 55.12" (1400mm)  | 55.12" (1400mm)  |
| G | (P) Vertical Standby                       | 7.87" (200mm)    | 7.87" (200mm)    |
| H | Bottom of Crosswise to Chuck Mount Postion | 14.57" (370mm)   | 14.57" (370mm)   |
| I | Mold Mounting Face - Crosswise Arm End     | 67.17" (1706mm)  | 67.17" (1706mm)  |
| J | Mold Mounting Face - Box End               | 27.72" (704mm)   | 27.72" (704mm)   |
| K | (S) Vertical Standby                       | -                | 9.84" (250mm)    |
| L | (P) Crosswise Reach Max.                   | 51.18" (1300mm)  | 51.18" (1300mm)  |
| M | (P) Crosswise Stroke Max.                  | 44.49" (1130mm)  | 38.98" (990mm)   |
| N | (P) Crosswise Standby Min.                 | 6.69" (170mm)    | 12.20" (310mm)   |
| O | (P) Proximity Min.                         | -                | 9.84" (250mm)    |
| P | (S) Crosswise Stroke Max.                  | -                | 38.98" (990mm)   |
| Q | (S) Crosswise Standby Min.                 | -                | 2.36" (60mm)     |
| R | Base Offset                                | 3.98" (101mm)    | 3.98" (101mm)    |
| S | Box End - Crosswise Arm End                | 94.88" (2410mm)  | 94.88" (2410mm)  |

All stated here is subject to change without notice



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