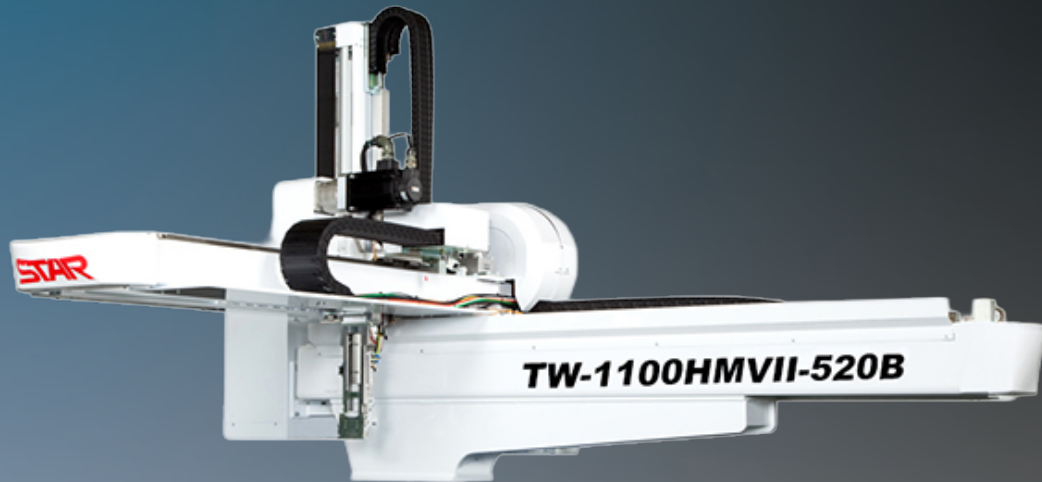




**STAR AUTOMATION, INC**



# HMOVII Series

Digital AC SERVO Robot

User Intuitive

Minimal Training Needed

Support 24/7 Worldwide



**TW-1700**

**[www.starautomation.com](http://www.starautomation.com)**

The HMVII Series comes equipped with the **STEC-520B** controller.



- ✓ 7-inch LCD
- ✓ Menu always available on left side
- ✓ Auto/Manual select switch.



QR Code for more information or to diagnose an alarm.

## Upgraded Controller Option **STEC-620B**



- 8.4-inch LCD
- Interactive Mode
- WiFi Module Standard (USA & Japan)
- NC User 3D Simulation

## Raised Touch Panel

The protective cover of the touch panel has raised areas to help locate inputs.

## Energy Saving

Servo Motor Sleep Mode  
Synchronizes Robot's Motion & Molding Cycle  
Energy Saving Motor

## Specifications

- ✓ Capable of Controlling up to 8 Servo Axis
- ✓ USB or LAN Connection
- ✓ Multiple Languages
- ✓ Straight Line Distance Displayed
- ✓ EJ Timer Auto-Adjustment
- ✓ Extract Cycle Adjustment
- ✓ Pendant Absorption Pressure Displayed
- ✓ 80 Standard Points per Axis
- ✓ 49 Standard Inputs (Factory)
- ✓ 18 Spare Customizable Inputs (Factory)
- ✓ Up to 144 Expansion Inputs (Option)
- ✓ 100 Total Timers
- ✓ 30 Total Counters

- Capable of Controlling up to 11 Servo Axis
- Up to 80 Expansion Inputs (Option)
- 128 Total Timers
- 58 Total Counters

|                      | IMM Range<br>(ton) | Payload<br>(kg) | Repeatability<br>(mm) | Vertical<br>(mm) | Crosswise<br>(mm) | Traverse<br>(mm) |
|----------------------|--------------------|-----------------|-----------------------|------------------|-------------------|------------------|
| <b>TW-800HMOVII</b>  | 80 - 250           | 5               | +/-0.1                | 800              | 680               | 1600             |
| <b>TW-1000HMOVII</b> | 80 - 350           | 5               | +/-0.1                | 1000             | 680               | 1800             |
| <b>TW-1100HMOVII</b> | 250-450            | 10              | +/-0.1                | 1200             | 1130              | 1800             |
| <b>TW-1300HMOVII</b> | 350-600            | 10              | +/-0.1                | 1400             | 1130              | 2000             |
| <b>TW-1500HMOVII</b> | 450-750            | 10              | +/-0.1                | 1600             | 1130              | 2200             |
| <b>TW-1700HMOVII</b> | 550-1000           | 10              | +/-0.1                | 1800             | 1130              | 2500             |

## Standard Features

Vacuum Generator with Part Present Sensor  
 Part Grip Circuit  
 Sprue Grip Circuit  
 USB Port  
 Ethernet Port  
 Sample and Chuck Change Positions  
 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

## Optional Features

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

**starautomation.com**  
 262-253-3550

**Star Automation, Inc.**  
 N90W14401 Commerce Dr  
 Menomonee Falls, WI 53051

