



STAR AUTOMATION, INC



TW-2500FMIV-520B

FMIV Series

ULTRA LARGE

Digital AC SERVO Robot

User Intuitive

Minimal Training Needed

Support 24/7 Worldwide



www.starautomation.com

The FM 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 80 Expansion Inputs (Option)
- 128 Total Timers
- 58 Total Counters

	IMM Range (ton)	Payload (kg)	Repeatability (mm)	Vertical (mm)	Crosswise (mm)	Traverse (mm)
TW-2000FMIV	1500-4000	40/60	+/-0.2	2000	1600	3600
TW-2500FMIV	2500-5000	80	+/-0.2	2500	2000	4000

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

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