

NEW CONTROLLER

“STEC-520B”

Equipped with GX models, All-round controller which can meet various demands for automation. Promotes FA with various functions.



STEC-520B ^{NEW}

- 7-inch wide LCD is used to improve touch panel response
- Menu screen is always displayed on the left side
- Operation (auto/manual) mode select switch

Always display menu screen.....



New Function of the Pendant

Add embossing on the touch panel



The protective sheet (free operation display) on touch panel is embossed. Since it has a touch feel, incorrect input can be prevented.

Collision detection function has further evolved

“Setting by area” and “Setting by axis” have been added to the collision detection function.



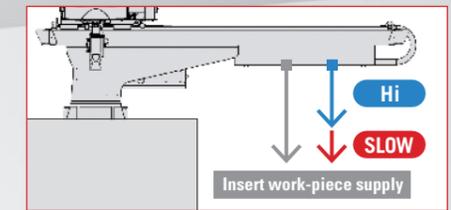
Help function using QR code

When an alarm occurs or when operating the help function, you can browse more detailed information with QR code.



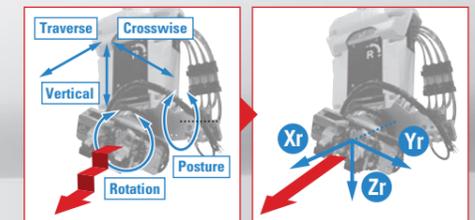
2-stage speed switching function

When motion setting from “A point” to “B point”, you can change the speed during operation. Upcycling for insert, palletize motion is easier than ever.



Tool coordinates function

This function solves difficult diagonal movements when setting the coordinates of each axis. Teaching time can be significantly reduced.



Antibacterial resin is adopted for the pendant

While growing needs for antibacterial treatment, antibacterial resin is adopted to pendant case where operators often touch.

Friendly Operation

- ✓ USB connection**
 Data handling (motion program, alarm history, operation history, etc.) is possible by connecting USB memory.
- ✓ LAN connection (option)**
 Connection with PC and/or network is made possible, and sending E-mail, PC software connection and remote maintenance are now possible.
- ✓ Trilingual switching (option)**
 Trilingual switching (option) is possible from Japanese, English, Simplified Chinese, Korean, Portuguese (alphabet notation).
- ✓ Always display menu screen**
 Buttons frequently used are always displayed on the left side.
- ✓ Straight-line distance display function after pass-motion**
 Straight-line distance after pass motion is indicated on pass-setting screen.
- ✓ EJ timer auto-adjustment**
 Timer for Ejector-advance is adjustable.
- ✓ Extract-cycle adjustment**
 Input product extract time for automatically adjusting speed and acceleration of vertical and crosswise axis.
- ✓ Pendant adsorption pressure display**
 Displays adsorption pressure on pendant screen, Setting of detection pressure for adsorption confirmation can be changed (1 circuit as standard).

Pursuing operability, adopt “easy-to-hold” size and large screen



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Energy-saving Function

- ✓ **Servo motor sleep mode**
Turns off the power of motor during standby time after set time has elapsed.
- ✓ **Auto-linkage motion with IMM cycle**
Synchronize take-out robot's motion with molding cycle.
- ✓ **Energy-saving motor**
Power saving by check the power consumption on the screen.



Safety

- ✓ **Measures against disconnection of corner guard and cables**
Protects the body when controller falls, etc. Changed the entrance and exit of the cable to avoid contact with the body.
- ✓ **Decoupling Controller from Power supply**
Compliant with safety standards and securing power supply in an emergency for safety restart and shortening of recovery time.
- ✓ **Collision detection function**
In case of machine interference due to mis-operation, setting error, etc. motor stops urgently for reducing the degree of damage.
- ✓ **1 cycle verify operation**
Just press a key, 1 cycle verify operation is possible by sequence step motion.
- ✓ **Maintenance function**
Lubrication and periodical inspection time are indicated on the screen. Possible retrospectively check the history information (date).

Improvement of Production Efficiency

- ✓ **Improved response by mounting high quality CPU**
Response has been improved by higher processing capacity.
- ✓ **Anti-vibration control**
Realized upcycling by smooth stop operation.
- ✓ **Mounts absolute-encoder as a standard equipment**
Home position return operation is no more necessary. Abolished sensor dock for reduced maintenance.
- ✓ **Production control function**
End of production will be reported by inputting planned production quantity. Besides, graph display of production results and/or sampling function will contribute to quality control.



Environment

- ✓ **Environmentally friendly design**
Controller with enhancement of energy saving function as well as reduction of environmentally hazardous substances, totally environmentally friendly design.
- ✓ **Compliant with RoHS2**
Meets usage standards of 10 substances whose use is regulated by RoHS2 directive.