

# Techno-Nav!

## テクノナビ

### ! Linkage of Take-out Robot Conditions Available models: SE-EV/SEEV-A/SEEV-A-HD



#### Overview

8-bit binary output connects robot arm to machine. This allows robot side molding condition to be saved to machine. Careless miss can be avoided and preparation to start-up time can be reduced.

- Applicable take-out robot maker: Star, Ushin, Harmo, Sailor  
To connect to non-Japanese brands of take-out robot, contact Sumitomo.

#### Configuration and benefits

- Saving take-out robot conditions
- Calling take-out robot conditions
- Stopping the molding machine if the conditions are not right

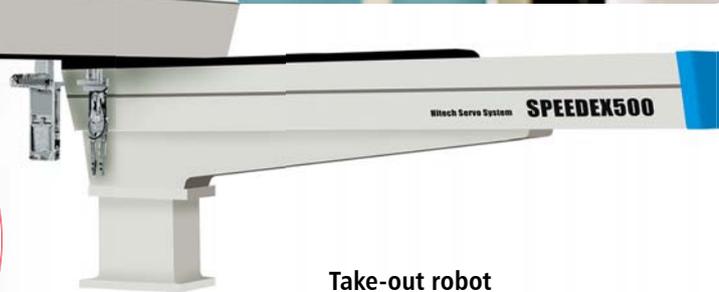
8-bit Binary

**Loss caused by 'careless mistakes'**

- Wrong conditions
- Forgetting to set conditions

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E.O.A.T broken  
Wasteful molding



#### Example benefits

- Less production loss by preventing 'careless mistakes'



Because you eliminate 'careless mistakes' like forgetting to set up the take-out robot or setting the wrong conditions, you save yourself the cost of repairing damaged mold and E.O.A.T.

Basis for calculating economic benefit

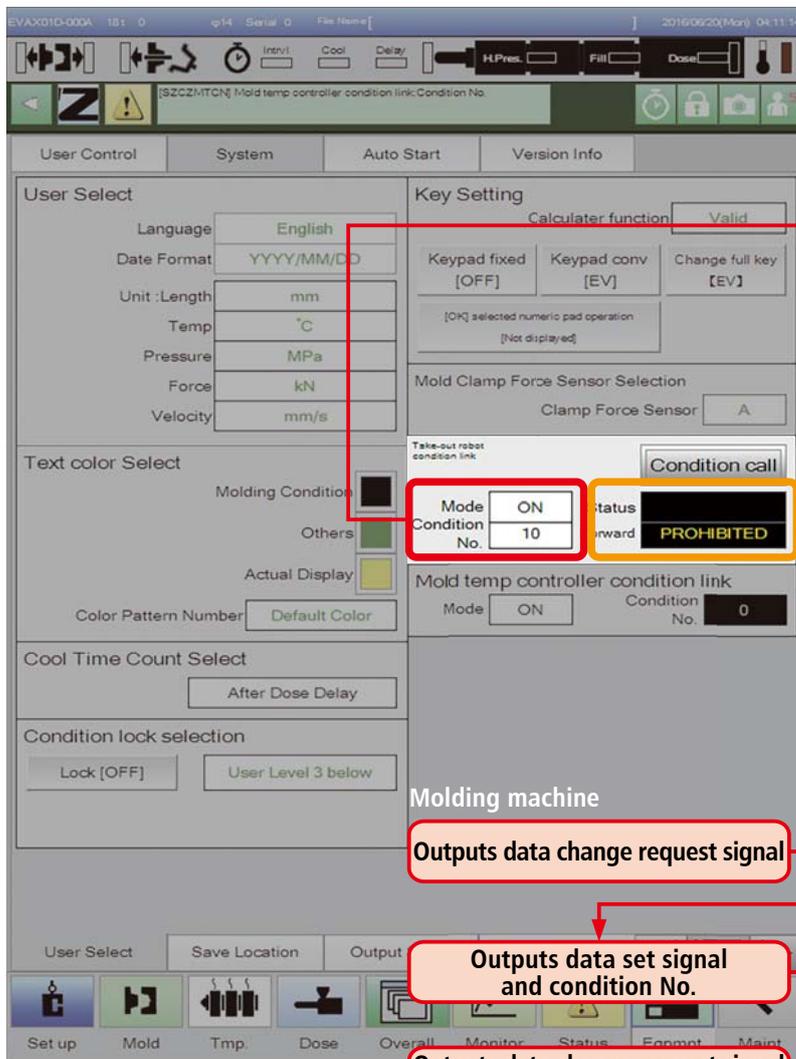
- Cracked mold caused by setting wrong take-out robot conditions: Twice a year (Total repair costs 3,000 USD)
- E.O.A.T broken Twice a year (Total repair costs 1,500 USD)

### Specifications

#### Connection requirements

The molding machine (terminal board inside the control console) and temperature controller connect over an 8-bit binary output cable. Take-out robot conditions are then set and robot operations monitored from the Take-out robot Setup Link pane on the 'System Settings' screen.

- The take-out robot may require remodeling. Contact the take-out robot manufacturer in advance.
- The user procures and provides the 8-bit binary output cable.



#### Settings

- Production drive ON/OFF
- Conditions 1 - 256 (Max. 256)

#### Monitoring

- Take-out robot preparation status
- Settings transfer

#### Operation flow



Outputs data change request signal

Outputs take-out robot change OK signal

Outputs data set signal and condition No.

Changes robot setup

Outputs data change request signal and stops data set signal

Outputs robot setting end signal

Updates status display and turns on interlock enable lamp