
Model: NXT, NXT-2, NXT-2c	(Control software)	
Version: V5.45	(Current version: V5.44)	November 6, 2012

The following software must be upgraded (refer to the compatibility table for details).

- Data ccheck 0162
- Fuji Flexa V6.1.0
- Fujitrax V6.10

From this version, this software is provided on a DVD.

Versions prior to V5.40 came on three CDs, but this software is provided on one DVD from V5.40.

Vision processing board TRNC1860B support

The vision processing board has been changed because the PCI bridge has been discontinued. After changing to the new vision processing board (TRNC1860B), upgrade to NXT V5.41 or later. If a version prior to V5.41 is used, the machine cannot be started.

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Report Summary**Changes to the Machine Software****Corrections**

1. Corrected the problem in which a 550D error would occur during a data check of a job using a ND32C nozzle station.
2. Corrected the problem in which 927C errors occurred when an unknown panel ID was detected and the recovery mode was on.
3. Corrected the problem in which 92FF errors occurred if the system detected consecutive panels that were not allowed to be transported.
4. Corrected the problem in which placement results were not reported to Profiler correctly after panels were removed by hand.
5. Corrected the problem in which 8D37 errors occurred after a panel was removed by hand and then production of the subsequent panel was completed.
6. Corrected the problem of QR-axes servo errors (1916) occurring on G04 heads.
7. Corrected the problem in which 927C errors occurred when production is restarted after the base was restarted with a panel being produced for which the panel ID is known.
8. Corrected the problem in which production was continued without an error when panel ID mark reading failed.
9. Corrected the problem of application errors occurring when the air removal command from manual mode is used and no job has been transmitted to the machine.
10. Corrected the problem in which 470C errors occurred when using a tray unit-L for dual lane production.
11. Corrected the problem in which the machine did not return to the main screen after unloading a panel when in backup pin allocation check mode.
12. Corrected the problem in which the pickup angle was incorrect when picking parts for which there was a tray direction or parts supply direction other than "0" and pre-rotation was not performed.
13. Corrected the problem in which sprocket hole reading errors occurred.
14. Corrected the problem in which if CYCLE STOP is pushed while a panel is being loaded, the machine determines that the panel being loaded is a new panel.
15. Corrected the problem in which 8D331701 errors occurred during production.
16. Corrected the problem in which operation errors would occur when changing nozzles on an H02 head.

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Changes to the Machine Software: Details

Machine Software Corrections

1. **Corrected the problem in which a 550D error would occur during a data check of a job using a ND32C nozzle station.**

Software version: V5.40 and later

Applicable modules: All modules

When a data check of a job using a ND32C nozzle station was performed, the spec data for the not used ND36A nozzle station was referenced. When this spec data did not exist, the 550D data check error occurred.

This has been corrected so data check errors no longer occur in this case.

2. **Corrected the problem in which 927C errors occurred when an unknown panel ID was detected and the recovery mode was on.**

Software version: V5.41 and later

Applicable modules: All modules

When an unknown panel ID was detected and the recovery mode was on, 927C errors ("The ID of the panel in the machine is unknown.") occurred. This problem has been corrected.

3. **Corrected the problem in which 92FF errors occurred if the system detected consecutive panels that were not allowed to be transported.**

Software version: V5.41 and later

Applicable modules: All modules

If the host system detected that panels were not allowed to be transported and they were then removed 101 times consecutively, 92FF errors ("A timeout occurred waiting for a response from Profiler Central Server.") occurred. This problem has been corrected.

4. **Corrected the problem in which placement results were not reported to Profiler correctly after panels were removed by hand.**

Software version: V5.41 and later

Applicable modules: All modules

Placement results were sometimes not reported to Profiler correctly after panels were removed by hand and then production continued. This problem has been corrected.

5. **Corrected the problem in which 8D37 errors occurred after a panel was removed by hand and then production of the subsequent panel was completed.**

Software version: V5.41 and later

Applicable modules: All modules

After a panel was removed by hand and then production of the next panel was completed, an 8D37 error ("Illegal communication data format") occurred. This problem has been corrected.

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6. Corrected the problem of QR-axes servo errors (1916) occurring on G04 heads.

Software version: V5.12 and later

Applicable modules: All modules

There were case in which QR-axes servo errors (1916) occurred when using G04 heads. This problem has been corrected.

7. Corrected the problem in which 927C errors occurred when production is restarted after the base was restarted with a panel being produced for which the panel ID is known.

Software version: V5.41 and later

Applicable modules: All modules

When an unknown panel ID was detected and the recovery mode was on, the panel ID becomes known in the machine. If in this condition, the base was restarted and then production restarted, an 927C error ("The ID of the panel in the machine is unknown.") occurred. This problem has been corrected.

8. Corrected the problem in which production was continued without an error when panel ID mark reading failed.

Software version: V5.41 and later

Applicable modules: All modules

When an unknown panel ID was detected and the recovery mode was on and reading of the panel ID mark still failed, production was continued without an error occurring. This problem has been corrected.

9. Corrected the problem of application errors occurring when the air removal command from manual mode is used and no job has been transmitted to the machine.

Software version: V5.10 and later

Applicable modules: All modules

Application errors occurred when the air removal command from manual mode is used and no job has been transmitted to the machine. Because the air removal command cannot be used when there is no job in the machine, this command is no longer available to be used when there is no job.

10. Corrected the problem in which 470C errors occurred when using a tray unit-L for dual lane production.

Software version: V5.40 and later

Applicable modules: All modules

470C errors occurred when using a tray unit-L in dual lane production. This problem has been corrected.

11. Corrected the problem in which the machine did not return to the main screen after unloading a panel when in backup pin allocation check mode.

Software version: V5.40 and later

Applicable modules: All modules

After completing backup pin allocation check mode and unloading the panel, there were cases of the machine not returning to the main screen. This problem has been corrected.

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- 12. Corrected the problem in which the pickup angle was incorrect when picking parts for which there was a tray direction or parts supply direction other than "0" and pre-rotation was not performed.**

Software version: V5.40 and later

Applicable modules: All modules

There was a problem of the pickup angle being incorrect when parts that have a parts supply direction or tray direction other than "0" were picked up and pre-rotation was not performed. This problem has been corrected.

Pre-rotation is not performed under the following circumstances

When using H04(S), H08, H08M, H12S, H12HS, and V12 heads

When using multiframe vision processing for H01, H02, and OF heads

Also, because the angle was correct during vision processing and placement, a vision processing error and/or misplacement will not occur as a result of this problem.

- 13. Corrected the problem in which sprocket hole reading errors occurred.**

Software version: V5.40 and later

Applicable modules: All modules

There were cases of vision processing errors occurring when reading sprocket holes. This problem has been corrected.

- 14. Corrected the problem in which if CYCLE STOP is pushed while a panel is being loaded, the machine determines that the panel being loaded is a new panel.**

Software version: All versions

Applicable modules: All modules

If CYCLE STOP was pushed while a panel was being loaded, the machine determined that the panel being loaded was a new panel. This problem has been corrected.

- 15. Corrected the problem in which 8D331701 errors occurred during production.**

Software version: V5.41 and later

Applicable modules: All modules

There were cases of 8D331701 errors occurring during production. This problem has been corrected.

- 16. Corrected the problem in which operation errors would occur when changing nozzles on an H02 head.**

Software version: All versions

Applicable modules: All modules

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