

**July 1, 2026**

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## **FCX4000 Series**

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**Version 3.81****Release date: July 1, 2026**

- Fixed problem
  1. Fixed a problem where the “ERROR MESSAGES” feature in the main menu could sometimes display garbled text.
  2. Fixed a problem where pressing the “COND” key during matrix copy might not pause the operation when using a USB flash drive.
  3. Fixed a problem where backup data from a device with Data Sort set to “2” would not be applied even after being restored using the “Remote Panel Utility”.
  4. Fixed a problem where the tool height might not be retained during the initialization process at the power-on.

**Version 3.70****Release date: April 15, 2026**

- Fixed problem
  1. Fixed a problem where the system responded slowly while waiting for ENTER key input after an error occurred during the “EXCHANGE TEST” in the TOOL EXCHANG ADJ.
- Added.
  1. Added the “MACHINE INFORMATION” to the “TEST” menu checking operation log data (EU Data Act compliance).

**Version 3.60****Release date: February 25, 2025**

- Modification
  1. Fixed the problem that dashed lines specified with the LT command (HP-GL) or L command (GP-GL) would sometimes be set as solid lines when tool up movement is ON and Data sorting (sorting 1 or 2) is ON.
  2. Fixed the problem that the tool carriage would not go back to the origin point after cutting even [Return to Scanning Base Point after Plot] is activated with the Data sorting setting (sorting 1 or 2) ON.

**Version 3.50****Release date: January 27, 2025**

- Modification
  1. Fixed an issue that the tool would collide outside the drawing area depending on the data when creasing mode 2 and 3 were selected.
  2. Fixed an issue that when sorting was turned ON from the control panel, it would hang after cutting and the keys on the panel would not work.

**Version 3.40****Release date: November 11, 2024**

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- Modification
  1. Fixed the following behavior when cutting with data output with “Advance after Plot” checked in CM5:  
Finishing cut → Move away the Y bar → Press “ENTER”, and the bar moves back to the original position → Pressing position key immediately and moves the original position → Goes back to its origin
  2. Tool 2 causes misalignment of registration marks, so both tools 1 and 2 are adjusted with a cutter.  
Fixed the firmware to support the adjustment.
  3. Fixed an issue in which pop-up messages were not displayed correctly in language settings other than English and Japanese when writing with the Remote Panel Utility.

**Version 3.30****Release date: June 10, 2024**

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- Modification
  - To prevent mistakes, a short diagonal line is added at the end of the drawing before distance adjustment so that the pattern before and after distance adjustment can be visually distinguished.
  - Fixed a problem with the pop-up screen that appears while saving Remote Panel Utility settings.
  - Fixed a problem in which 2-byte commands were incorrectly printed in data dumps.
  - Fixed a problem in which a reboot was not performed when LAN settings were restored using the Remote Panel Utility.
  - Fixed a problem where a restart was not performed when user selection settings were restored using the Remote Panel Utility.
  - Fixed a problem in which both files would be copied in the subsequent copying process if the user selects “Output File” again immediately after plotting with the USB memory device.

**Version 3.20****Release date: October 17, 2023**

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- Modification
  1. The setting file of the cutter main unit output by Remote Panel Utility can be written using a USB memory \*Save the PLT file containing the set value write

command (ESC.f0;3) to the USB memory and execute it from the menu "Output File Selection".

2. Increased the amount of buffer used to address a problem where the amount of buffer used was not sufficient when displaying media names containing multibyte characters on the ready screen.

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**Version 3.10****Release date: April 5, 2023**

- Modification
  1. To reduce the risk of unexpected incident, the move to origin speed reduced to 15cm/sec from the speed linked to "Speed/Pen Up Speed", which will be effective when pressing "PAUSE/MENU" or "COND/TEST" button.
  2. Change the tool name on the display to meet the official tool name to "PM-CT-002", "CP-001", "CP-002" and "CP-003".

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**Version 3.00****Release date: March 6, 2023**

- Fixed problem
  1. Sometimes a back side registration mark was cut off before the entire front page job was finished, when back side registration marks drawn by creasing on front page.

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**Version 2.90****Release date: February 8, 2023**

- Fixed problem
  1. When selecting [Y OUTSIDE], the initializing operation of Blade Angle Position has been changed to be done in the area 15mm below in the Y direction from the cut start point.

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**Version 2.80****Release date: October 17, 2022**

- Fixed problem
  1. Fixed a problem in which when the condition number was changed from the cut condition selection screen, it sometimes returned to the condition number specified by the previous command.

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**Version 2.70****Release date: September 13, 2022**

- Fixed problem

1. Fixed a problem in which changing the condition number from the menu would return to the condition specified immediately before the change when the command was set other than AUTO with Sort ON.

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**Version 2.60****Not Released**

- Modification
  1. Added the specification to support mountain and valley folds of the reverse registration mark by TB40 command.

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**Version 2.50****Release date: February 24, 2022**

- Fixed problem
  1. When the message "USE THE POSITION KEY TO MOVE THE TOOL AND THEN PRESS ENTER" is displaying, the beeping will continue if the menu key will be pressed while the tool is moving.
- Modification
  1. Cutting quality was improved by adjusting the control value to suppress the impact caused by up and down of the tool.

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**Version 2.40****Release date : January 12,2022**

- Fixed problem
  1. When using the Segment Area Registration Mark, a line segment that was not actually part of the data was drawn when crossing the first segment in some data.

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**Version 2.30****Not Released**

- Modification
  1. Aging operation in the production process was changed to finish after a specified number of times.

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**Version 2.20****Release date: April 13, 2021**

- Modification
  1. Added a function to change the sensing start position only once and detect again if the automatic registration mark sensing does not work when the registration mark sensing start position is the current position and the tool carriage is in the origin point (0, 0).

- Fixed problem
  1. Even when the tool up height was set to "Higher Position", the set position might not be maintained at the end of data.
  2. An error occurred at the second mark when plotting the data with multiple registration marks while the tool sort function is on.

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**Version 2.10****Release date: February 16, 2021**

- Modification
  1. Default offset of CB09U has been reduced to "-2" in order to adjust the cutting quality.  
Please be careful that previous default (+0) is now (-2) on this version.

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**Version 2.00****Release date: December 2, 2020**

- Modification
  1. The initial blade angle position can be performed in the area (0mm, 0mm) to (-15mm, -15mm) outside the cutting area.

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**Version 1.90****Release date: July 14, 2020**

- Fixed problem
  1. When the group 8 of consumption level became to alarming, it was not beeped.
  2. When the following condition, the X position alarm was occurred.  
When the status command "V" was received and the Y bar position was far from the home position tool.  
And this occurs when the command setting is "AUTO" only.
- Modification
  1. The maximum alarm distance for Blade wear alarm setup was changed from the 5 km to the 100 km.
  2. The menu to display the MAC address was added in the maintenance mode.
  3. The arc end process was removed which was added in version 1.30, to make symmetry cutting.
  4. The device settings output function command was added.

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**Version 1.80****Release date: April 15, 2020**

- Fixed problem

1. When the job was canceled while cutting, the tool downs once, and then it stops.

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**Version 1.70**

***This version was not released.***

- Modification
  1. The "TOOL DOWN SPEED" function was added which it removes the press mark of each tool down.
  2. The function name of "TOOL UP SPEED" in tool menu was renamed to the "MOVING SPEED", it prevent to misunderstand for the "TOOL DOWN SPEED".
- Fixed problem
  1. The tool height was not reset after cutting.
  2. When the serial number was started from "0", the first digit of "0" could not display at the serial number menu in the maintenance mode.
  3. The refresh value for the SDRAM was incorrect.

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**Version 1.60**

***Release date: May 28, 2019***

- Modification
  1. The "TOOL DOWN SPEED" function was added which it removes the press mark of each tool down.
  2. The function name of "TOOL UP SPEED" in tool menu was renamed to the "MOVING SPEED", it prevent to misunderstand for the "TOOL DOWN SPEED".

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**Version 1.50**

***Release date: February 13, 2019***

- Fixed problem
  1. When it is cutting by the copy mode of plotter, the origin command of TC36 did not function.  
Therefore the first registration mark was not able to detect correctly with the copy mode.

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**Version 1.40**

***Release date: August 29, 2018***

- Fixed problem
  1. When the first vector line length is longer than about 230 mm, the Initial blade control did not perform.

This slight deformation occurs at beginning part of the line. The starting position of the line may not match the position at the end of the line.

This problem occurs from the version 1.30.

If the version 1.30 was installed already, update to this version.

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**Version 1.30****Release date: June 27, 2018**

- Fixed problem
  1. The plotter locked up when the PUSE key was pressed after the 1st registration mark was searching.
- Modification
  1. The initial blade direction was improved to be same direction for the first cutting.
  2. The end of arc processing was improved.
  3. The test of Patlite was added to the Maintenance Mode which is not used at the FCX4000, because the based firmware is same with the FCX2000.  
This will not function to the FCX4000.
  4. The FCX4000 was locked when the ENTER key was pressed when the second registration mark is searching.

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**Version 1.20****Release date: March 14, 2018**

- Fixed problem
  1. Sometimes the registration mark sensor did not go down.
  2. Tool position did not go to the Home position when the TOOL SELECT PAUSE SETTING was set to ENABLED.

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**Version 1.10****Release date: January 31, 2018**

- Fixed problem
  1. It cuts from incorrect position when the plot file was output from the USB memory after the origin was moved to any position.

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**Version 1.00 (Not released)****Release date: December 11, 2017**

- Initial version

End