

**March 11, 2026**

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## **FC9000 Series**

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**Version 2.10****Release date: March 11, 2026**

- Fixed problem
  1. Fixed a problem where the last line segment was sometimes not cut when performing a cut with the “FILM MODE” setting turned ON.
  2. Fixed a problem where the original position was sometimes not updated when the “EXPAND” setting was set to “DEFAULT”.
  3. Fixed a problem where media feeding became faster after performing a CROSSCUT between registration marks.
  4. Fixed a problem where the drawing area was not updated when the “Page Length” setting was changed in the [Remote Panel Utility].
- Added
  1. Added Polish to the supported languages.
  2. Added the “START MARK SCAN LENGTH” setting.
  3. Added the “MACHINE INFORMATION” to the “TEST” menu checking operation log date (EU Data Act compliance).

**Version 2.03****Release date: December 17, 2025**

- Fixed problem
  1. Fixed a problem Where some USB memory devices could not be recognized.
  2. Fixed a problem where when the “AUTO PRE FEED” setting was ON, media was executed after performing “Repeated Crosscut”.
  3. Fixed a problem where after performing “Repeated Crosscut”, if a media-out condition occurred, the condition number displayed in the menu could sometimes become “0”.
  4. Fixed a problem where during continuous operation, if a media-out condition occurred and “CONTINUE” was selected, the keys could sometimes become unresponsive.
  5. Fixed a problem where, during continuous operation, if a media-out condition occurred while reading registration marks, the continuous operation sometimes fails to resume.
- Added
  1. Added a message after “Repeated Crosscut” if the cut media remains on the sensor.
  2. Added a function to drop media after “Repeated Crosscut”.

**Version 2.02****Release date: October 31, 2025**

- Fixed problem
  1. Fixed a problem with operation at the end of the Crosscut.
  2. Fixed a problem where enabling “Tool Sort” could cause the “FILM MODE” ON/OFF setting not function.
  3. Fixed a problem where the pen could drag during repeat Crosscut when Tool 2 was selected.
  4. Fixed a problem where incorrect operation occurred when media ran out during repeat Crosscut.

- Modification
  1. Modified the cutting area settings of the Crosscut.
  2. Modified the operation to load media when the tool is up.
- Added
  1. Added support for PM-BH-002 (Ballpoint pen plunger).

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**Version 2.01**
**Release date: July 30, 2025**

- Fixed problem
  1. Fixed a problem that the condition would not be changed properly when “Tool Sort” is ON.

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**Version 2.00**
**Release date: July 30, 2025**

- Added
  1. The following three features have been added.
    - \*For the details of new features, please refer to the Additional User’s Manual.
    - CROSSCUT MODE : FAST.
    - FILM MODE.
    - MEDIA SET ASSIST.
- Fixed problem
  1. Fixed a problem in which 2-byte commands were not plot correctly in “DATA DUMP” mode.
  2. Fixed a problem in which the main unit did not restart when restoring LAN settings or “USER CHANGING 1-2” settings using the Remote Panel Utility.
  3. Fixed a problem in which during the CONTINUOUS OPERATION, if media ran out and Set Lever was lowered, raising it again did not display the MEDIA TYPE SELECT screen.
  4. Fixed a problem in which during CONTINUOUS OPERATION, if media ran out and the operation was canceled to clear the buffer the message “BUFFER CLEAR COMPLETED!” remained displayed.
  5. Fixed a problem in which the copy function would not stop even after pressing the ESC key when the MEDIA CHANGE MODE.
  6. Fixed a problem in which a solid line was output instead of a dashed line when the LT command (HP-GL) or L command was specified.
  7. Fixed a problem in which the position of the confirmation message was incorrect when sending data with registration marks while Panel Cutting was ON.
- Modification
  1. Improved the pop-up display when changing settings using the Remote Panel Utility.

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**Version 1.39**
**Release date: December 18, 2023**

- Modification
  1. In order to accurately confirm the stop when adjusting the tip of the sheet cross cutter, the positional relationship between the PEN and the cross cutter is adjusted according to the mechanical dimensions when adjusting the tip at the start of the cross cutter.
  2. To prevent accidental operation, a short diagonal line was added to the diagonal

line of the pattern after correction so that the pattern before and after distance correction can be visually distinguished.

- Fixed problem
  1. Fixed a problem in which a cross-cut was executed when interrupting a cutting with a USB memory stick.
  2. Fixed a problem in which the pop-up screen displayed during saving of Remote Panel Utility setting values was corrupted.

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**Version 1.38****Release date: October 17, 2023**

- 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. Fixed a problem that the Remote Panel Utility setting screen does not appear when the command setting is "Auto".
  3. Fixed a problem in which the plot origin is written at the origin of the crosscut mode after continuous crosscutting is executed, resulting in a deviation from the origin when resumed.
  4. Fixed a problem that media was dropped when aborting with "ESC" button after a crosscut between registration marks when performing matrix copying, when a registration marks reading error occurred.

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**Version 1.37****This version was not released**

- Modification
  1. Added a control that checks the cutter joint at the start of cross-cutting, retries if the cutter is not jointed, and fails on the third try. (Enable/disable setting of this control in maintenance mode.)

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**Version 1.36****Release date: July 27, 2023**

- Modification
  1. Removed the cross-cut check function which was added in V1.35. V1.36 has a same content as V1.34.

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**Version 1.35****Release date: July 12, 2023**

- Modification

1. Crosscut unit section connection judgment when crosscutting has been enhanced.

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**Version 1.34****Release date: May 25, 2023**

- Fixed problem
  1. The tool cartridge hit the side in operation after cross-cutting, which caused Y position error.

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**Version 1.33****Release date: March 1, 2023**

- Modification
  1. Added items to service LOG
  2. Added the distance traveled per speed/acceleration setting and the number of crosscuts to the service LOG

Note: The tool Cutting Service Log (v1.5.0.0) or later is required to obtain the logs with the added items.

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**Version 1.32****Release date: August 24, 2022**

- Fixed problem
  1. "Error Realign Push Rollers" sometimes occurred even though the push roller was set on the grit roller.

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**Version 1.31****Release date: June 13, 2022**

- Fixed problem
  1. The data was sometimes missing in the beginning of the part when sending crosscut command by using TC35 command continuously.

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**Version 1.30****This version was not released.**

- Modification
  1. Aging operation during belt tension adjustment can be paused and resumed by pressing the PAUSE key.

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**Version 1.29****Release date: January 19, 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.

- **Modification**

As a countermeasure against moving coil damage, a tool position error is made when the following occurred.

1. When the tool position is lowered below the home position during the pen down check at power-on.
2. When a current value of 500mA is loaded for more than 5 seconds by PWM control.

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**Version 1.28**

**Release date: October 26, 2021.**

- **Fixed problem**

1. When reloading the media which was loaded once and selecting "CONTINUE" from the Select menu, the origin point when the media was first set was not correctly taken over.

- **Modification**

1. Removed "Select Suffix" from manufacturing menu.

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**Version 1.27**

**Release date: June 22, 2021.**

- **Fixed problem**

Fixed the following 4 problems that occur when using Automatic Take-up Roller (OPH-A43/44).

1. Take-up operation was not performed in panel cutting.
2. If the gap between the central registration marks was too long in the segment area adjustment, the take-up operation was not performed even though the media was slacking.
3. When TAKE-UP is ON in the MEDIA SETTING menu and press the HOME key in READY status after plotting, the media is over-tensioned and abnormal noise occurs then cannot move to the original point.
4. After panel cutting, there was a case that the registration marks could not be read when duplicate the cutting data with the registration marks using COPY key.

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**Version 1.26**

**Release date: June 1, 2021.**

- **Fixed problem**

1. When sending cutting data with tool exchange while Tool Sort and Auto

- Paneling were turned on, incorrect condition numbers could be displayed.
2. When sending cutting data with tool exchange while Tool Sort and Auto Paneling were turned on, extra lines were sometimes cut on the second sheet.

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**Version 1.25****Release date: April 6, 2021.**

- Fixed problem
  1. When the tool sort was selected, plotting data with multiple registration marks occurred in a scanning error at the second mark.

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**Version 1.24****Release date: February 16, 2021.**

- Fixed problem
  1. When the "AUTO" was selected in the initial blade control mode selectable function, the pen block moved and hit to the left end in case the specific data was outputted.

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**Version 1.23****Release date: January 26, 2021.**

- Fixed problem
  1. The Initial Pre Feed length was not enough length.  
When the roll media was fed, it got tension.
- Modification
  1. The retry was added to disconnect the cross cutter correctly. This will avoid incorrect cross cutting.
  2. The communication timeout of Data Link was extended to 60 sec.
  3. When the NVRAM Clear was performed the backup NVRAM does not set to the default setting.

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**Version 1.22****This version was not released.**

- Modification
  1. The initial blade control mode selectable function was added to the Maintenance mode,
  2. The default threshold value of Cross Cutter was changed from 170 to 180.

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**Version 1.21****Release date: November 17, 2020**

- Fixed problem
  1. When the rear registration mark is detecting for X/Y segment Registration mark, there is extra movement.
  2. When the small size of 4 point Registration mark is detecting, the detecting error was displayed.
  3. When the first registration mark of Y position is far from the origin point for the X/Y segment registration mark, the extra line was cut.
  4. When the data of multi-registration mark is cutting, the media did not drop down after the cross cut performed.
  5. When the last data of multi-registration mark cutting was finished with the Copy mode, the media dropped to the rear.

**Version 1.20**

**Release date: August 4, 2020**

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- Fixed problem
  1. When the roll mode barcode print media was loaded as reverse direction while the XY segment registration mark was performed, the cutting position was shifted about 0.3 mm to 0.4 mm.
  2. When the USB memory of data was cutting, the cross cutting was not performed with the specified timeout setting.
  3. The blade consumption alarm of beep was not working for the group 8.
  
- Modification
  1. Corresponded to the 2.0 mm spacing of barcode. (The scanning time was reduced for the wider spacing of barcode.)
  2. The function was added to display the MAC address in the maintenance mode.
  3. The aging is able to perform while push roller is rising in the maintenance mode.
  4. The following commands were added for application software.
    - Gets setting from plotter
    - Sets the setting to plotter

**Version 1.10**

**Release date: June 23, 2020**

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- Fixed problem
  1. Bug fix on the cross cut disability issue on shorter data than separator length on segment cutting mode by time out.

- Modification
  1. The mode 4 of registration mark scanning was added to detect the high reflective media.
  2. The maximum cutting length for perforation pattern was changed from the 100 mm to the 500 mm.
  3. Modifies to select the external clock of CPU to the full speed mode of USB.

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**Version 1.04****Release date: April 14, 2020**

- Fixed problem
  1. When the separator H was specified in the segment cutting mode, the cross cutter did not work correctly.
  2. When media was curling, the tool was hit to media after the cross cutting was finished.
  
- Modification
  1. The push out operation of cross cut was improved.  
When the feeding distance is shorter than 380 mm, the finished media feeds the 200 mm to push out , and them the fan is turned off.
  2. The margin for the push roller detection was added to detect the push roller position correctly.
  3. The maximum alarm distance for Blade wear alarm setup was changed from the 5 km to the 100 km.

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**Version 1.03****Release date: January 28, 2020**

- Fixed problem
  1. When data was receiving via the LAN port, it took about 10 sec to start cutting.
  2. The tool height did not reset after cutting was finished.
  3. The spelling miss in the error code E05017 was corrected.
  4. The spelling miss in the error code E04018 was corrected.
  5. The refresh value for the SDRAM was incorrect.
  6. The rewind did not work in the following condition.  
The ROOL 2 was selected after the power was turned on.  
The cam lever was raised after the sheet media was loaded, and then the ROOL 2 selected.
  7. The “PG” command did not work, therefore when the PG command was

received the cross cut did not work.

8. 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.

- Modification

1. The tool exchange error was added to the tool exchange test of maintenance mode.
2. The aging was process was change for production.

***Version 1.01***

***Release date: September 3, 2019***

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- Fixed problem

1. The extra blade angle correction was performed for the initial blade angle correction when there is large angle from the X axis.

- Modification

1. The line pattern sets to OFF when the plotter was startup by the special mode (Turn on the power while pressing the left position key).

***Version 1.00***

***Release date: June 20, 2019***

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- Initial version

End