

October 25, 2017

FC4500 Series Cutting Plotters

Version 2.70

Release date: October 25, 2017

- Bug fixed
 1. The cutting speed becomes slow when the straight line is cutting at the segment registration mark mode.

Version 2.60

Release date: April 26, 2017

- Bug fixed
 1. The scanning starting position was shifted when it is copying continually in copy mode with registration mark when using the CM3.
 2. The copy mode could not cancel or retry when it is copying in copy mode with registration mark when using the CM3.
 3. The multi registration mark mode was not worked correctly.
 4. The tool position could not move to the registration mark when registration marks could not find when it is copying in the reverse registration mark mode with the data of CM2 with the registration mark.
 5. The tool position did not return to the correct position when the I/F clear was performed when it is scanning the registration mark in the GP-GL command mode.
 6. Processing of multi pass cutting was not worked correctly when the next data of cutting job was received with the registration mark.
 7. The data of second registration marks did not cut, when multi pass cutting is performing with the multi registration mark mode.
 8. The cutting job repeated the cutting data has the feed command when multi pass cutting is performing with the multi registration mark mode.
 9. The tool pressure of first pass was not correct when it is cutting with the multi pass mode.
 10. The tool position was moved to the first position when the FC4500 is

connecting to the CM3 during the multi pass cutting mode.

11. The difference of tool pressure was -2 and +2 when the test cutting was performed with the TOOL 2.
12. Order of test cutting by the command was not same as the FC4500 when the test cutting was performed from the control panel.

Version 2.50

Release date: August 31, 2016

- Improvement
 1. Corresponded to new pen block.
(The Dip switch SW-2 of main board have to set to OFF when installed new type of pen block.)

Version 2.40

Release date: November 5, 2014

- Bug fixed
 1. There was extra scanning movement when the multi registration marks are scanning. Sometimes it started to scan the registration marks after the cutting processing was finished.

Version 2.30

Release date: September 10, 2014

- Bug fixed
 1. The Graphtec Studio and the Cutting Master 3 could not connect via the USB port when the Xon/Xoff was set in the RS-232C interface setting.
 2. The NEC font (Non Standard Japanese Kanji characters) could not print.
 3. The plotter was locked when the V2.1.211 of CM3 is connecting without operation several hours.
- Improvement
 1. The pen type was changed from the ceramic pen to the ballpoint pen for the distance adjustment in the service mode.

Version 2.20

Release date: September 11, 2013

- Fixed a bug
 1. The over cut was not performed when the copy was performed.

2. The some parts of over cuts were not performed when the copy was performed after the view key was pressed.
3. The copy was not performed when the over cut setting is ON and when the number of copy is set to more than 3 copies.
4. The cutting area was not returned to the Graphtec Studio correctly when the over cut setting is ON.

Version 2.10**Release date: May 8, 2013**

- Fixed a bug
 1. The test cutting was not finished when the test cutting is performed from the Graphtec Studio in the following condition setting.
Condition 4: Cutter mode, Over cut
Condition 1: Pen mode, Non Over cut
 2. The cutting starting position of over-cut was not working correctly.
 3. The cutting force did not change when the test cut 2 is performed when the over-cut setting is ON.
 4. The self-test size was changed when the magnification is changed.
 5. The registration mark reading position was incorrect after the origin moved by the position keys.

Version 2.00**Release date: April 10, 2013**

- Fixed a bug
 1. The starting position of over-cut was not returned to the start position of cutting.
 2. The initial blade control of second tool was performed in wrong position when the initial blade control position was set to outside of cutting area.

Version 1.92**Release date: January 25, 2013**

- Fixed a bug
 1. The pen-down waiting function was affecting to the cutter mode.

Version 1.91**This version is not released.**

- Improvement

1. The pen down wait function was added for special customer.

Version 1.90

This version is not released.

- Fixed a bug

1. The offset of registration mark position was shifted with registration mark was scanned by the TC54 command.
2. The movement of tool-carriage did not stop when the USB cable was unplugged during the tool-carriage moving by the controller.
3. There was extra movement in the over cutting process.

Version 1.80

Release date: February 15, 2012

- Improvement

1. The model service number command was added.

- Fixed a bug

1. The position alarm occurred when the power is turned on after the rotation is set to ON.
2. The pen type could not select other than "Pen" and "09U" by the "TC4" command for the FC4510 of 2nd pen.
3. The ESC command did not output the minus value.
4. The parameter for command of "TC1", "TC2", and "TC3" did not have a limitation.
5. The Pen Pressure command of "TC3" did not function correctly.
6. The Test Cut command of "TC7" and "TC8" did not function correctly.
7. The command of "TC21" did not function correctly when the parameter was set to other than 0 and 1.
8. The command of "TC24" did not function correctly when the parameter was set to other than 0 and 1.
9. The command of "TC26" did not function correctly when the parameter was set to other than 0 and 1.
10. The parameter for command of "TC28" did not have a limitation.

11. The command “ESC,C31;28;s:” and “ESC,C31;33;l:” did not function correctly when the minus parameter was set.
12. The pen speed output command “ESC,C31;29” did not respond correctly.
13. The one shot of pen pressure command “TC32;0” did not function correctly.
14. The one shot of pen pressure command “ESC,C31;32” did not respond correctly.
15. The registration mark position adjustment was not set correctly sometimes.
16. The registration mark position adjustment command of “TC33” did not respond correctly.
17. The registration mark home command of “TC37,5” did not function correctly.
18. The registration mark position adjustment command of “TC55” did not function correctly.
19. The registration mark offset command of “ESC. C31;54:” did not respond correctly.
20. The registration mark offset command of “TC54:” did not have a limitation.
21. The registration mark size command of “TC51:” did not have a limitation.
22. The registration mark pattern command of “TC52:” did not support to the reversing registration mark mode.
23. The registration mark pattern command of “ESC.C31;52:” did not support to the reversing registration mark mode.

Version 1.70**Release date: October 26, 2010****● Improvement**

1. The “Tool Current Error” function was removed.

● Fixed a bug

1. The reverse registration mark position corrections were not initialized when the reverse registration mark scanning error occurred.
 2. The FC4500 go out of control when the registration mark scanning error occurred.
 3. The condition list of sort status was always ON even if it is changed.
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Version 1.60 (This version was not released)

Release date: August 25, 2010

- Improvement
 1. The pen MC coil burned by unknown cause.
The “Tool Current Error” function added.

Version 1.50

Release date: June 30, 2010

- Improvement
 1. The pen MC coil burned by unknown cause.
There is possibility to burning the pen MC coil when the pen height information shifted.
This updating protects the pen MC coil burning when the pen height information shifted.
The “Tool Position Error” appears before the pen MC coil burned out when the pen height information was shifted.

Version 1.40

Release date: May 31, 2010

- Fixed a bug
 1. The custom registration mark setting of 5 mm was not performed correctly.

Version 1.30

Release date: May 07, 2010

- Improvement
 1. The power didn't uncommonly stand up.

Version 1.21

Release date: December 16, 2009

- Fixed a bug
 1. The registration mark type 2 modes could not read when the registration marks were positioned from 4 mm from the media edge.
 2. The mirror setting was not cleared when the reverse registration mark setting was canceled during reading the reverse registration marks.

Version 1.20

Release date: October 23, 2009

- Fixed a bug
 1. The tool Up/Down was performed when the line type setting was set to the dotted line from the operation panel.
- Improvement
 1. The cutting speed of the short vector was slow when cutting the short vector and the circle.

Version 1.10

Release date: July 22, 2009

- Fixed a bug
 1. Sometimes the tool pressure became too high pressure when adjusting the tool spacing.
 2. The default adjustment position of the registration mark was corrected.

Version 1.00

Release date: February 13, 2009

- Initial version

End