RICOH

RICOH Americas Corporation

ATS
Advanced Technology Services

Custom Paper Library
Advanced Setting Guide

Pro C5100S/Pro C5110s

D137/D138

Purpose:

This document is published to assist in making adjustments in the Pro C5100S and Pro C5110S Paper Libraries to improve image quality and general paper handling when using various media types.

Details of the Menu Items in Advanced Settings

Menu items and Functions

Paper Feed Adjustment

No.	Item	Description
01	Wide LCT Fan Setting	Specify the movement of the Wide LCT Fan.
02	Adjust Wide LCT Fan	Adjusts the Capacity of the Wide LCT Fan
03	Pickup Assist Setting	Specify the paper feed roller movement

Paper Delivery Adjustment

No.	Item	Description
04	Paper Weight Detection	Specify whether or not to detect the paper weight.
05	Double Feed Detect	Specify whether or not to detect double feeds of paper.

Image Position / Scaling Adjustment

No.	Item	Description
06	Adj. Image Position of Side 1 with Feed.	Adjust the Horizontal position of the image to be printed on Side 1 of the paper.
07	Adj. Image Position of Side 2 with Feed.	Adjust the Horizontal position of the image to be printed on Side 2 of the paper.
08	Adj. Image Position of Side 1 across Feed.	Adjust the Vertical position of the image to be printed on Side 1 of the paper.
09	Adj. Image Position of Side 2 across Feed.	Adjust the Vertical position of the image to be printed on Side 1 of the paper.

No.	Item	Description
10	Adj. Erase Margin of the Leading Edge	Adjust the mask width at the leading edge of the image.
11	Adj. Erase Margin of the trailing Edge	Adjust the mask width at the trailing edge of the image
12	Adj. Magnification of Side 2 Across Feed	Adjust the Vertical image scaling on Side 2 of the paper according to the paper expansion or shrinkage.
13	Adj. Magnification of Side 2 with Feed	Adjust the Horizontal image scaling on Side 2 of the paper according to the paper expansion or shrinkage.
14	Trailing Edge Full Bleed	Specify whether or not to <u>enable</u> the mode to <u>omit the margin</u> at the trailing edge of the paper

Line Speed adjustments

No.	Item	Description
15	Process Speed setting	Adjust the machine's print speed.
16	Registration Motor Feed Speed Adj.	Adjust the registration's motor speed
17	First Transport Motor Feed Speed Adj.	Adjust the First Transport's motor speed
18	Second Transport Motor Feed Speed Adj.	Adjust the Second Transport's motor speed
19	Third Transport Motor Feed Speed Adj.	Adjust the Third Transport's motor speed
20	Relay Transport Motor Feed Speed Adj. [CW]	Adjust the Relay Transport's motor speed (Clockwise Rotation)
21	Relay Transport Motor Feed Speed Adj. [CCW]	Adjust the Relay Transport's motor speed (Counter Clockwise Rotation)
22	Paper Transfer Feed Speed Adjustment	Adjust the transfer roller's speed
23	Fusing Feed Speed Adjustment	Adjust the fusing roller's speed

No.	Item	Description
24	Exit Motor Feed Speed Adjustment	Adjust the exit motor's speed.
25	Switchback Entrance Feed Speed Adjustment	Adjust the paper feed speed at the switchback entrance.
26	Switchback Exit Feed Speed Adjustment [CW]	Adjust the switchback roller's speed (Clockwise Rotation).
27	Switchback Exit Feed Speed Adjustment [CCW]	Adjust the switchback roller's speed (Counter Clockwise Rotation).
28	2 Sided Switchback Motor Feed Speed Adjustment[CCW]	Adjust the 2 Sided Switchback Motor's motor speed (Counter Clockwise Rotation).
29	2 sided Exit Motor Feed Speed Adjustment	Adjust the 2 sided Exit Motor's speed.
30	2 sided Transport Roller Shift Speed Adj. [1]	Adjust the roller's shift amounts made by the Shift System 1 in the horizontal duplex paper transfer unit for duplex printing.
31	2 sided Transport Roller Shift Speed Adj. [2]	Adjust the roller's shift amounts made by the Shift System 2 in the horizontal duplex paper transfer unit for duplex printing.
32	Deactivate 2 sided Transport Roller Shift	Disable the shift operation performed by the duplex transfer unit.

Toner Adhesion Adjustment (Drum to ITB)

No.	Item	Description
33	Adjust Toner Adhesion [Black]	Adjust the Toner Adhesion to the image transfer belt for each color.
34	Adjust Toner Adhesion [Cyan]	
35	Adjust Toner Adhesion [Magenta]	
36	Adjust Toner Adhesion [Yellow]	

Transfer Adjustment (Drum to ITB)

No.	Item	Description
37	Image Transfer Current [B&W]	Adjust the current applied for image transfer when printing in each color mode(color / black & white)
38	Image Transfer Current [FC Black]	
39	Image Transfer Current [FC Cyan]	
40	Image Transfer Current [FC Magenta]	
41	Image Transfer Current [FC Yellow]	

Transfer Adjustment (ITB to Media)

No.	Item	Description
42	Paper Transfer Current [B&W Side 1]	Adjust the current applied to the paper for paper transfer when printing in each print mode.(color / black & white / simplex / duplex)
43	Paper Transfer Current [FC Side 1]	
44	Paper Transfer Current [B&W Side 2]	
45	Paper Transfer Current [FC Side 2]	
46	Paper Transfer Current [Lead Edge B&W]	Adjust the current applied to the leading edge of the paper for paper transfer when printing in each color mode. (color / black & white)
47	Paper Transfer Current [Lead Edge FC]	
48	Paper Transfer Current Lead Edge Distance [B&W]	Adjust the area to apply the current for paper transfer at the leading edge of the paper when printing in each color mode. (color / black & white)
49	Paper Transfer Current Lead Edge Distance [FC]	
50	Paper Transfer Current Trail Edge [B&W]	Adjust the current applied to the trailing edge of the paper for paper transfer when printing in each color mode. (color / black & white)
51	Paper Transfer Current Trail Edge [FC]	
52	Paper Transfer Current Trail Edge Distance [B&W]	Adjust the area to apply the current for paper transfer at the trailing edge when printing in each color mode. (color / black & white)

No.	Item	Description
53	Paper Transfer Current Trail Edge Distance [FC]	Adjust the area to apply the current for paper transfer at the trailing edge when printing in each color mode. (color / black & white)
54	Paper Transfer CV Start Timing [B&W Side 1]	Adjust the timing to start the constant voltage control for the bias during paper transfer when printing in each print mode.(color / black & white / simplex / duplex)
55	Paper Transfer CV Start Timing [B&W Side 2]	
56	Paper Transfer CV Start Timing [FC Side 1]	
57	Paper Transfer CV Start Timing [FC Side 2]	
58	Paper Transfer CV Control Duration [B&W Side 1]	Adjust the duration of the constant voltage control for the bias during paper transfer when printing in each print mode.(color / black & white / simplex / duplex)
59	Paper Transfer CV Control Duration [B&W Side 2]	
60	Paper Transfer CV Control Duration [FC Side 1]	
61	Paper Transfer CV Control Duration [FC Side 2]	
62	Paper Transfer Contact and Disengage Mode	Specify whether or not to enable the paper transfer contact / separation mode.
63	Adjust Contact Timing of the Paper Transfer	Adjust the timing for the image transfer belt and the paper transfer unit to come into contact during paper contact / separation
64	Adjust Disengage Timing of the Paper Transfer	Adjust the timing for the image transfer belt and the paper transfer unit to separate during paper contact / separation
65	Textured paper Mode	Specify whether or not to enable Textured Paper Mode
66	Textured Paper Transfer Voltage [B&W Side 1]	Adjust the voltage applied to the paper for paper transfer when printing in each color mode. .(color / black & white / simplex / duplex)
67	Textured Paper Transfer Voltage [B&W Side 2]	
68	Textured Paper Transfer Voltage [FC Side 1]	

No.	Item	Description
69	Textured Paper Transfer Voltage [FC Side 2]	Adjust the voltage applied to the paper for paper transfer when printing in each color mode. .(color / black & white / simplex / duplex)
70	Textured Paper AC Frequency of Paper Transfer Voltage	Adjust the frequency of the AC voltage applied when Textured Paper Mode is enabled
71	Textured Paper AC Duty Cycle of Paper Transfer Voltage	Adjust the duty cycle of the AC voltage applied when Textured Paper Mode is enabled
72	Textured Paper - Paper Transfer Isolation Voltage [Side 1]	Adjust the separation voltage for secondary transfer applied to side 1 when Textured Paper Mode is enabled.
73	Textured Paper - Paper Transfer Isolation Voltage [Side 2]	Adjust the separation voltage for secondary transfer applied to side 2 when Textured Paper Mode is enabled.

Fuser Adjustment (Improve Fuser Strength and retain Gloss/Texture image uniformity)

No.	Item	Description
74	Fusing Heat Roller Temperature Adjust	Adjust the Heat Roller temperature.
75	Fusing Pressure Roller Temperature Adjust	Adjust the Pressure Roller temperature.
76	Fusing Nip Width Setting	Adjusts the nip width between the fusing belt and pressure roller.
77	Adjust Fusing Temperature to Transfer Paper	Adjust the fusing temperature at which to allow paper feeding after warming up.
78	Adjust Adding Fusing [Temperature 1]	Adjust the fusing units accumulated temperature for a specific time after a job starts.
79	Adjust Adding Fusing [Temperature 2]	Adjust the fusing units accumulated temperature for a specific time after writing starts.
80	Paper Feed Interval Setting	Adjust the interval between the feeding of each sheet.
81	Reduce initial CPM [Low Temp Environment]	Select one of the three levels of copy / print speed at low temperatures
82	Reduce initial CPM [Normal / High Temp Environment]	Select one of the three levels of copy / print speed at normal room temperatures

No.	Item	Description
83	Adjust Cleaning Web Motor Interval	Specify the interval between each activation of the cleaning web.
84	Cleaning Web Contact and Disengage	Specify how the cleaning web comes into contact and separates
85	Fusing Nip Width Adjustment for Envelopes	Adjust the nip width between the fusing belt and pressure roller when an envelope is being fed.
86	Paper Curl Correction Level	Adjust the degree of paper decurling by the decurler unit
87	Adjust Paper Curl Correction Level	Adjust the contact pressure between the soft roller and the metal roller in the decurler unit.

Finishing Position Adjustment

No.	Item	Description
88	Adjust Z Fold Position 1	Adjust the width of the bottom end segment of Z Folded sheets when using the multi-folder
89	Adjust Z Fold Position 2	Adjust the overall fold size of Z fold sheets when using the multi-folder
90	Half Fold Position Single Sheet Fold	Adjust the fold position of half fold sheets when using the multi-folder
91	Letter Fold Out Position 1 Single sheet fold	Adjust the fold position for the bottom segment of letter fold out sheets when using the multi-folder
92	Letter Fold Out Position 2 Single sheet fold	Adjust the overall fold size of letter fold out sheets when using the multi-folder
93	Letter Fold In Position 1 Single sheet fold	Adjust the fold position for the bottom segment of letter fold in sheets when using the multi-folder
94	Letter Fold In Position 2 Single sheet fold	Adjust the overall fold size of letter fold in sheets when using the multi-folder
95	Double Parallel Fold Position 1	Adjust the fold position of the bottom segment 1 of the double parallel folded sheets when using the multi-folder
96	Double Parallel Fold Position 2	Adjust the fold position of the bottom segment 2 of the double parallel folded sheets when using the multi-folder

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No.	Item	Description
97	Adjust Gate Fold Position 1	Adjust the fold width of the bottom segment 1 of gate folded sheets when using the multi-folder
98	Adjust Gate Fold Position 2	Adjust the fold width of the bottom segment 2 of gate folded sheets when using the multi
99	Adjust Gate Fold Position 3	Adjust the fold width of the bottom segment 3 of gate folded sheets when using the multi

Setting Explanations

Paper Feed Adjustment

01 Wide LCT Fan Setting
Specify the movement of the Wide LCT Fan
If you set this to ON air is discharged from the duct in the paper tray. Blowing air between the sheets to separate the sheets.

Setting Name	Value
Wide LCT Fan Setting	On / Off

02 Adjust Wide LCT Fan Level

Adjust the capacity of the Wide LCT Fan.
If double feeding or misfeeding of paper occurs when this setting is at its default value, increase the fan capacity.
Press (+) to increase the capacity and, (-) to decrease it

Setting Name	Max Value	Min. Value	Step
Adjust Wide LCT Fan Level	100	10	10%

03 Pickup Assist Setting
Specify the paper feed roller movement
If the paper feed roller fails to pick up paper and misfeeding of paper occurs, set this to ON

Setting Name	Value
Pickup Adjust Setting	On / Off

Paper Delivery Adjustment

04 Paper Weight Detection
Specify whether or not to detect the paper weight.
If set to ON, a message appears on the operation panel when the paper weight sensor detects paper of a weight other than that specified I the "Tray Paper settings"
Thin, Heavy paper may cause the paper weight to be misdetected. When using such paper set this to OFF to prevent misdetection.

Setting Name	Value
Paper Weight Detection	On / Off

05 Double Feed Detect
Specify whether or not to detect double feeds of paper
If this is set to ON, the machine stops when it detects double feeding, so as to prevent mixing in of unprinted papers.
The machine may not correctly detect double feeding when using special paper. In this case change this setting to OFF.
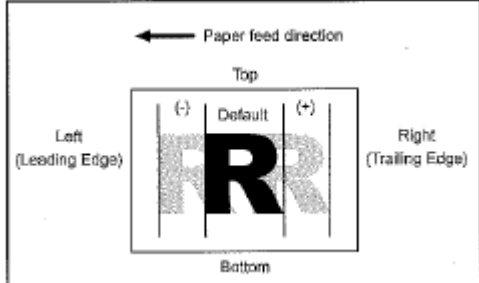
Setting Name	Value
Double Feed Detect	On / Off

Image Position / Scaling Adjustment

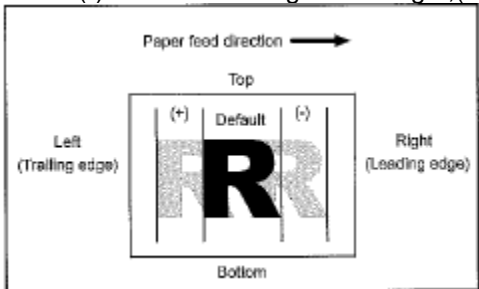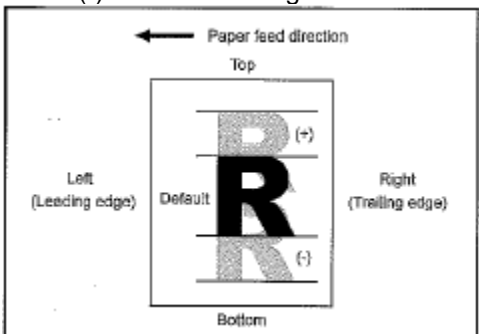### 06 Adjust Image Position of Side 1 with Feed

Adjust the Horizontal position of the image to be printed on Side 1 of the paper.
Press (+) to shift the image to the left,(Trailing edge)
Press (-) to shift the image to the right,(leading edge)

Setting Name	Max Value	Min. Value	Step
Adjust Image Position of Side 1 with Feed	3.0	-3.0	0.1 mm

07 Adjust Image Position of Side 2 with Feed.

Adjust the Horizontal position of the image to be printed on Side 2 of the paper.
Press (+) to shift the image to the left,(Trailing edge)
Press (-) to shift the image to the right,(leading edge)

Setting Name	Max Value	Min. Value	Step
Adjust Image Position of Side 2 with Feed	3.0	-3.0	0.1 mm

08 Adjust Image Position of Side 1 across Feed.

Adjust the Vertical position of the image to be printed on Side 1 of the paper.
Press (+) to shift the image to the top
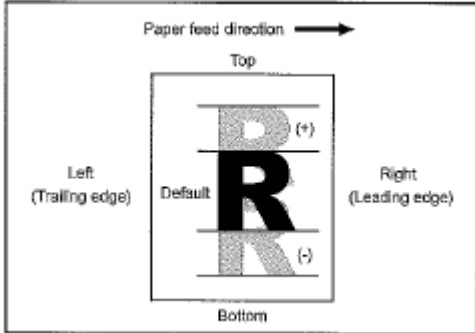Press (-) to shift the image to the bottom

Setting Name	Max Value	Min. Value	Step
Adjust Image Position of Side 1 across Feed.	3.0	-3.0	0.1 mm

09 Adjust Image Position of Side 2 across Feed.
Adjust the Vertical position of the image to be printed on Side 2 of the paper.
Press (+) to shift the image to the top
Press (-) to shift the image to the bottom

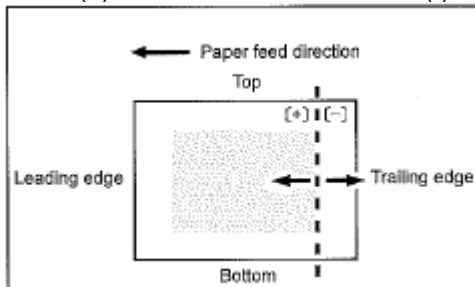| Setting Name	Max Value	Min. Value	Step
Adjust Image Position of Side 2 across Feed.	3.0	-3.0	0.1 mm

10 Adjust Erase Margin of the Leading Edge
Adjust the mask width at the leading edge of the image.
By increasing the mask width, you can increase the margin of the leading edge of the paper.
Press (+) to increase the mask and (-) to decrease the mask.
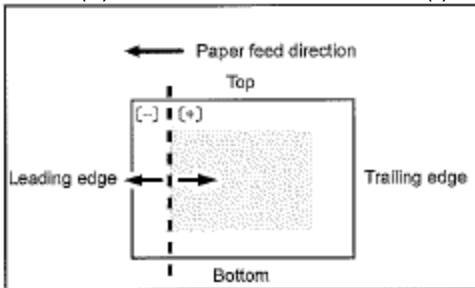
Setting Name	Max Value	Min. Value	Step
Adjust Erase Margin of the Leading Edge	6.0	-3.0	0.1 mm

11 Adjust Erase Margin of the Trailing Edge
Adjust the mask width at the trailing edge of the image.
By increasing the mask width, you can increase the margin of the trailing edge of the paper.
Press (+) to increase the mask and (-) to decrease the mask.

Setting Name	Max Value	Min. Value	Step
Adjust Erase Margin of the Trailing Edge	6.0	-3.0	0.1 mm

12 Adjust Magnification of Side 2 across Feed

Adjust the Vertical image scaling on Side 2 of the paper according to the paper expansion or shrinkage.
In Duplex printing, this allows you to reduce the scaling error on side 2 of the paper so minimize the difference in the print size between the front and the back.
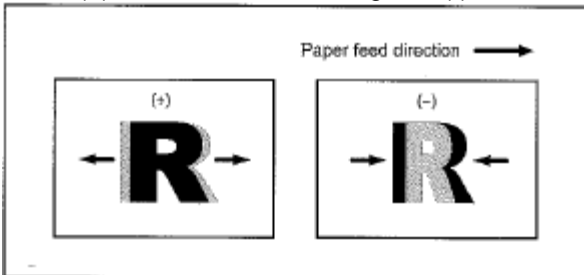Press (+) to increase the scaling and (-) to reduce it
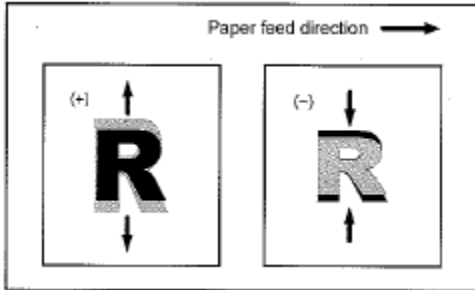
Setting Name	Max Value	Min. Value	Step
Adjust Magnification of Side 2 across Feed	0.0	-0.5	0.025%

13 Adjust Magnification of Side 2 with Feed

Adjust the Horizontal image scaling on Side 2 of the paper according to the paper expansion or shrinkage. In Duplex printing, this allows you to reduce the scaling error on side 2 of the paper so minimize the difference in the print size between the front and the back.
Press (+) to increase the scaling and (-) to reduce it.

Setting Name	Max Value	Min. Value	Step
Adjust Magnification of Side 2 with Feed	0.0	-0.5	0.025%

14 Trailing Edge Full Bleed

Specify whether or not to enable the mode to omit the margin at the trailing edge of the paper.
If set to ON, printing is performed without leaving a margin at the trail edge of the paper. You can reduce the clipping of images at the trail edge of the paper when printing an image covering the whole sheet.

Setting Name	Value
Trailing Edge Full Bleed	On / Off

Line Speed adjustments

To prevent the paper from becoming too tight or too slack during transfer, set all the line speed adjustment settings for the paper transfer path to the same value. However, if adjustment of individual items is needed to correct the image degradation, perform the adjustment according to the instructions in troubleshooting.

15 Process Speed setting

Adjust the machine's print speed to improve fusing, paper handling, and image quality

Pro C5100S		Pro C5110S	
H	65 CPM	H	80 CPM
M	50 CPM	M	55.8 CPM
L	32 CPM	L	35.7 CPM

In some cases, if you change this setting from Low to Middle or from Middle to High, the toner may not fuse properly to the paper. Depending on the type of paper, you can increase the toner gloss by changing this setting from High to Middle or from Middle to Low.

Setting Name	Value
Process Speed setting	[Low] [Middle] [High]

16 Registration Motor Feed Speed Adj.

Adjust the registration's motor speed.
The registration motor drives the registration motor that feeds the paper to the paper transfer unit.
Use this to resolve image quality problems such as image scaling errors or jitter.
Press (+) to increase the speed and (-) to reduce it

If you change this setting, apply the same value to the following settings;

17	First Transport Motor Feed Speed Adj.	20	Relay Transport Motor Feed Speed Adj. [CW]
18	Second Transport Motor Feed Speed Adj.	21	Relay Transport Motor Feed Speed Adj. [CCW]
19	Third Transport Motor Feed Speed Adj.	29	2 sided Exit Motor Feed Speed Adjustment

Setting Name	Max Value	Min. Value	Step
Registration Motor Feed Speed Adj.	3.0	-3.0	0.1%

Note – The jitter occurs when the leading or trailing edge of paper that passes through the paper transfer unit is transmitted to the drum unit via the image transfer belt causing banding.

17 First Transport Motor Feed Speed Adj.

Adjust the First Transport's motor speed
The First Transport Motor drives the roller in the paper transport path in Tray 1's paper feed unit.
Press (+) to increase the speed and (-) to reduce it
Enter the same values that are specified for 16 Registration Motor Feed Speed Adj.

Setting Name	Max Value	Min. Value	Step
First Transport Motor Feed Speed Adj.	3.0	-3.0	0.1%

18 Second Transport Motor Feed Speed Adj.
Adjust the Second Transport's motor speed
The Second Transport Motor drives the roller in the paper transport path in Tray 2's paper feed unit.
Press (+) to increase the speed and (-) to reduce it
Enter the same values that are specified for 16 Registration Motor Feed Speed Adj

Setting Name	Max Value	Min. Value	Step
Second Transport Motor Feed Speed Adj.	3.0	-3.0	0.1%

19 Third Transport Motor Feed Speed Adj.
Adjust the Third Transport's motor speed
The Third Transport Motor drives the roller in the paper transport path in Tray 3's paper feed unit.
Press (+) to increase the speed and (-) to reduce it
Enter the same values that are specified for 16 Registration Motor Feed Speed Adj

Setting Name	Max Value	Min. Value	Step
Third Transport Motor Feed Speed Adj.	3.0	-3.0	0.1%

20 Relay Transport Motor Feed Speed Adj. [CW]
Adjust the Relay Transport's motor speed [CW]
The Relay Transport Motor drives the Relay Transport which feed the paper to the registration roller.
This setting is applied when paper is fed from the machine's paper tray or optional LCT units.
Press (+) to increase the speed and (-) to reduce it
Enter the same values that are specified for 16 Registration Motor Feed Speed Adj

Setting Name	Max Value	Min. Value	Step
Relay Transport Motor Feed Speed Adj. [CW]	3.0	-3.0	0.1%

21 Relay Transport Motor Feed Speed Adj. [CCW]
Adjust the Relay Transport's motor speed [CCW]
The Relay Transport Motor drives the Relay Transport which feed the paper to the registration roller.
This setting is applied when paper is fed from the machine's paper tray or optional LCT units.
Press (+) to increase the speed and (-) to reduce it
Enter the same values that are specified for 16 Registration Motor Feed Speed Adj

Setting Name	Max Value	Min. Value	Step
Relay Transport Motor Feed Speed Adj. [CCW]	3.0	-3.0	0.1%

22 Paper Transfer Feed Speed Adjustment
Adjust the transfer roller's speed
Press (+) to increase the speed and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Paper Transfer Feed Speed Adjustment	1.0	-1.0	0.1%

23 Fusing Feed Speed Adjustment
Adjust the fusing roller's speed.
Press (+) to increase the speed and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Fusing Feed Speed Adjustment	10.0	-10.0	0.1%

24 Exit Motor Feed Speed Adjustment
Adjust the Exit Motor's speed.
The exit motor drives the rollers at paper exit.
Press (+) to increase the speed and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Exit Motor Feed Speed Adjustment	3.0	-3.0	0.1%

25 Switchback Entrance Feed Speed Adjustment
Adjust the paper feed speed at the switchback entrance.
Adjust the rollers speed to deliver paper that is inverted or duplex printed.
Press (+) to increase the speed and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Switchback Entrance Feed Speed Adjustment	3.0	-3.0	0.1%

26 Switchback Exit Feed Speed Adjustment [CW]
Adjust the switchback roller's speed (Clockwise Rotation).
Adjust the rollers speed to deliver paper that is inverted.
Press (+) to increase the speed and (-) to reduce it
Enter the same values that are specified for 25 Switchback Entrance Feed Speed Adjustment

Setting Name	Max Value	Min. Value	Step
Switchback Exit Feed Speed Adjustment[CW]	3.0	-3.0	0.1%

27 Switchback Exit Feed Speed Adjustment [CCW]
Adjust the switchback roller's speed (Counter Clockwise Rotation).
Adjust the rollers speed to deliver paper that is inverted. This setting is not applied to duplex printing, which delivers paper via normal delivery route.
Press (+) to increase the speed and (-) to reduce it
Enter the same values that are specified for 24 Exit Motor Feed Speed Adjustment.

Setting Name	Max Value	Min. Value	Step
Switchback Exit Feed Speed Adjustment[CCW]	3.0	-3.0	0.1%

28 2 Sided Switchback Motor Feed Speed Adjustment[CCW]
Adjust the 2 Sided Switchback Motor's motor speed (Counter Clockwise Rotation).
2 sided switchback motor drives the rollers that invert the paper and feed the paper to the horizontal duplex paper transfer unit for duplex printing.
Press (+) to increase the speed and (-) to reduce it
Enter the same values that are specified for 25 and 26 Switchback drive.

Setting Name	Max Value	Min. Value	Step
2 Sided Switchback Motor Feed Speed Adjustment[CCW]	3.0	-3.0	0.1%

29 2 Sided Exit Motor Feed Speed Adjustment
Adjust the 2 sided Exit Motor's speed
2 sided exit motor drives the rollers at the exit of the horizontal duplex paper transfer unit.
Press (+) to increase the speed and (-) to reduce it
Enter the same values that are specified for 16 Registration Motor Feed Speed.

Setting Name	Max Value	Min. Value	Step
2 sided Exit Motor Feed Speed Adjustment	3.0	-3.0	0.1%

30 2 Sided Transport Roller Shift Adjustment 1
Adjust the roller's shift amounts made by the Shift System 1 in the horizontal duplex paper transfer unit for duplex printing.
Press (+) to increase the speed and (-) to reduce it
NOTE: This machine adjusts the vertical position of side 2 (relative to the main scanning direction) by the shifting movement of the horizontal duplex paper transfer unit for duplex printing. When a feed length of 220mm or less, (8.66in.) is used, only shift system 2 can be used. When paper with a feed length of more than 220mm (8.66in.), is used both Shift systems 1 and 2 can be used.

Setting Name	Max Value	Min. Value	Step
2 sided Transport Roller Shift Adjustment 1	3.0	-3.0	0.1%

31 2 Sided Transport Roller Shift Adjustment 2
Adjust the roller's shift amounts made by the Shift System 2 in the horizontal duplex paper transfer unit for duplex printing.
Press (+) to increase the speed and (-) to reduce it
NOTE: This machine adjusts the vertical position of side 2 (relative to the main scanning direction) by the shifting movement of the horizontal duplex paper transfer unit for duplex printing. When a feed length of 220mm or less, (8.66in.) is used, only shift system 2 can be used. When paper with a feed length of more than 220mm (8.66in.), is used both Shift systems 1 and 2 can be used.

Setting Name	Max Value	Min. Value	Step
2 sided Transport Roller Shift Adjustment 2	3.0	-3.0	0.1%

32 Deactivate 2 Sided Transport Roller Shift
Disable the shift operation performed by the duplex transfer unit.
If set to ON neither Shift System 1 or 2 operates.

Setting Name	Value
Deactivate 2 Sided Transport Roller Shift	On / Off

Toner Adhesion Adjustment

33 Adjust Toner Adhesion [Black]
34 Adjust Toner Adhesion [Cyan]
35 Adjust Toner Adhesion [Magenta]
36 Adjust Toner Adhesion [Yellow]
Adjust the Toner Adhesion to the image transfer belt for each color.
Assists in preventing banding and Improve image density on ITB.
Use this to adjust the density and color of the printed image. Depending on the paper type being used, it may be needed to make this adjustment to achieve optimum toner adhesion.
Press (+) to increase the speed and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Adjust Toner Adhesion KCMY	5	-5	1

NOTE: This adjustment may cause light images on lightweight or textured medias at transfer from ITB to media.

Transfer Adjustment

37 Image Transfer Current [B&W]
38 Image Transfer Current [FC Black]
39 Image Transfer Current [FC Cyan]
40 Image Transfer Current [FC Magenta]
41 Image Transfer Current [FC Yellow]
Adjust the current applied for image transfer when printing in each color mode (color / black & white)
Use this to reduce degradation in image quality due to paper. (Example, due to the papers moisture content)
Press (+) to increase the speed and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Image Transfer Current	70	0	1ua

42 Paper Transfer Current [B&W Side 1]
43 Paper Transfer Current [FC Side 1]
44 Paper Transfer Current [B&W Side 2]
45 Paper Transfer Current [FC Side 2]
Adjust the current applied to the paper for paper transfer when printing in each print mode.(color / black & white / simplex / duplex)
Use this to reduce degradation in image quality due to paper. (Example, due to the papers moisture content)
Press (+) to increase the speed and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Paper Transfer Current	0	-300	1ua

46 Paper Transfer Current [Lead Edge B&W]
47 Paper Transfer Current [Lead Edge FC]
Adjust the current applied to the leading edge of the paper for paper transfer when printing in each color mode. (color / black & white)
Specify the paper currents as a percentage of the currents specified in 42 Paper Transfer Current [B&W Side 1], 44 Paper Transfer Current [B&W Side 2].
Specify the paper currents as a percentage of the currents specified in 43 Paper Transfer Current [FC Side 1], 45 Paper Transfer Current [FC Side 2].
Use this to reduce degradation in image quality at the leading edge of the paper.
Press (+) to increase the speed and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Paper Transfer Current Lead edge	300	5	5%

48 Paper Transfer Current Lead Edge Distance [B&W]
49 Paper Transfer Current Lead Edge Distance [FC]
Adjust the area to apply the current for paper transfer at the leading edge of the paper when printing in each color mode. (color / black & white)
Specify the length of the area at the leading edge of the paper to which the current set in 46 Paper Transfer Current [Lead Edge B&W]
Specify the length of the area at the leading edge of the paper to which the current set in 47 Paper Transfer Current [Lead Edge FC]
Use this to reduce degradation in image quality at the leading edge of the paper.
Press (+) to increase the length of area at the leading edge to apply the current and (-) to reduce it.

Setting Name	Max Value	Min. Value	Step
Paper Transfer Current Lead Edge Distance	30	0	1mm

Transfer Adjustment continued

50 Paper Transfer Current Trail Edge [B&W]
51 Paper Transfer Current Trail Edge [FC]
Adjust the current applied to the trailing edge of the paper for paper transfer when printing in each color mode. (color / black & white)
Specify the paper currents as a percentage of the currents specified in 42 Paper Transfer Current [B&W Side 1], 44 Paper Transfer Current [B&W Side 2].
Specify the paper currents as a percentage of the currents specified in 43 Paper Transfer Current [FC Side 1], 45 Paper Transfer Current [FC Side 2].
Use this to reduce degradation in image quality at the trailing edge of the paper.
Press (+) to increase the percentage and (-) to reduce it.

Setting Name	Max Value	Min. Value	Step
Paper Transfer Current Trail Edge	300	5	5%

52 Paper Transfer Current Trail Edge Distance [B&W]
53 Paper Transfer Current Trail Edge Distance [FC]
Adjust the area to apply the current for paper transfer at the trailing edge when printing in each color mode. (color / black & white).
Specify the length of the area at the leading edge of the paper to which the current set in 50 Paper Transfer Current [Trail Edge B&W]
Specify the length of the area at the leading edge of the paper to which the current set in 51 Paper Transfer Current [Trail Edge FC]
Use this to reduce degradation in image quality at the trailing edge of the paper.
Press (+) to increase the length of area at the trailing edge to apply the current and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Paper Transfer Current Trail Edge Distance	100	0	1mm

54 Paper Transfer CV Start Timing [B&W Side 1]
55 Paper Transfer CV Start Timing [B&W Side 2]
56 Paper Transfer CV Start Timing [FC Side 1]
57 Paper Transfer CV Start Timing [FC Side 2]
Adjust the timing to start the constant voltage control for the bias during paper transfer when printing in each print mode.(color / black & white / simplex / duplex).
Use this to adjust transferability at the lead edge of the paper.
Press (+) or (-) to adjust the timing.

Setting Name	Max Value	Min. Value	Step
Paper Transfer CV Start Timing	100	0	1mm

58 Paper Transfer CV Control Duration [B&W Side 1]
59 Paper Transfer CV Control Duration [B&W Side 2]
60 Paper Transfer CV Control Duration [FC Side 1]
61 Paper Transfer CV Control Duration [FC Side 2]
Adjust the duration of the constant voltage control for the bias during paper transfer when printing in each print mode.(color / black & white / simplex / duplex)
Use this to adjust transferability at the lead edge of the paper.
Press (+) or (-) to adjust the timing.
NOTE: For the bias during paper transfer at the start of printing, the machine performs constant voltage control and then switches to current control. If you set "CV Start Timing" to 50ms and "CV Control Duration" to 30 ms constant voltage control for the paper transfer bias starts 50ms before printing a sheet and lasts for 30ms. This is followed by constant current for the remaining 20 seconds, after which printing starts.

Setting Name	Max Value	Min. Value	Step
Paper Transfer CV Control Duration	100	0	1mm

Transfer Adjustment continued

62 Paper Transfer Contact and Disengage Mode

Specify whether or not to enable the paper transfer contact / separation mode.

If [ON] is selected, the paper transfer roller separates from the image transfer belt while paper is being transferred.

Use this adjustment to reduce Jitter produced when thick paper is used for printing.

NOTE [ON] is specified as the default for paper of a Paper Weight 5 or better.

Setting Name	Value
Paper Transfer Contact and Disengage Mode	On / Off

63 Adjust Contact Timing of the Paper Transfer

Adjust the timing for the image transfer belt and the paper transfer unit to come into contact during paper contact / separation.

Use this mode to reduce the jitter produced during paper contact if the jitter cannot be reduced sufficiently by the **"Paper Transfer Contact and Disengage Mode".** Also use this mode to reduce the image quality degradation during the paper contact.

To adjust the contact timing press [-] to make the paper contact before the papers leading edge enters the paper transfer roller, and press[+] to make contact after the papers lead edge enters the paper transfer roller.

Setting Name	Max Value	Min. Value	Step
Adjust Contact Timing of the Paper Transfer	10	-5	1mm

64 Adjust Disengage Timing of the Paper Transfer

Adjust the timing for the Image transfer belt and the paper transfer unit to separate during paper contact / separation.

Use this mode to reduce the jitter produced during paper separation if the jitter cannot be reduced sufficiently by the **"Paper Transfer Contact and Disengage Mode".** Also use this mode to reduce the image quality degradation during the paper separation.

To adjust the separation timing press [-] to make the paper separate before the papers trailing edge exits from the paper transfer roller, and press[+] to make separate after the papers trailing edge exits from the paper transfer roller.

Setting Name	Max Value	Min. Value	Step
Adjust Disengage Timing of the Paper Transfer	5	-10	1mm

NOTE The jitter mentioned above in numbers 62, 63, and 64 occurs when the leading edge or trailing edge of paper that passes through the paper transfer unit is transmitted to the drum unit via the image transfer belt, causing banding.

Transfer Adjustment continued

65 Textured Paper Mode
Specify whether or not to enable Textured Paper Mode.
If this mode is set to [ON] , the paper transfer voltage settings 66 – 73 are enabled.

Setting Name	Value
Textured Paper Mode	On / Off

66 Textured Paper Transfer Voltage [B&W Side 1]
67 Textured Paper Transfer Voltage [B&W Side 2]
68 Textured Paper Transfer Voltage [FC Side 1]
69 Textured Paper Transfer Voltage [FC Side 2]
Adjust the voltage applied to the paper for paper transfer when printing in each color mode. .(color / black & white / simplex / duplex)
Press (+) to increase the voltage and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Textured Paper Transfer Voltage	14.0	0.0	0.1mm

70 Textured Paper AC Frequency of Paper Transfer Voltage
Adjust the frequency of the AC voltage applied when Textured Paper Mode is enabled
Press (+) to increase the voltage and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Textured Paper AC Frequency of Paper Transfer Voltage	1200	400	1Hz

71 Textured Paper AC Duty Cycle of Paper Transfer Voltage
Adjust the duty cycle of the AC voltage applied when Textured Paper Mode is enabled.
Press (+) to increase the voltage and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Textured Paper AC Duty Cycle of Paper Transfer Voltage	50	5	1%

72 Textured Paper - Paper Transfer Isolation Voltage [Side 1]
Adjust the separation voltage for secondary transfer applied to side 1 when Textured Paper Mode is enabled.
Press (+) to increase the voltage and (-) to reduce it
- You can adjust the value in steps of 0.1kV using Web Image Monitor

Setting Name	Max Value	Min. Value	Step
Textured Paper - Paper Transfer Isolation Voltage [Side 1]	12.0	0.0	.5KV

73 Textured Paper - Paper Transfer Isolation Voltage [Side 2]
Adjust the separation voltage for secondary transfer applied to side 2 when Textured Paper Mode is enabled.
Press (+) to increase the voltage and (-) to reduce it
- You can adjust the value in steps of 0.1kV using Web Image Monitor

Setting Name	Max Value	Min. Value	Step
Textured Paper - Paper Transfer Isolation Voltage [Side 2]	12.0	0.0	.5KV

Fuser Adjustment

74 Fusing Heat Roller Temperature Adjust
Adjust the Heat Roller temperature.
Press (+) to increase the voltage and (-) to reduce it
NOTE:
- Decreasing the temperature too much may cause the toner to not properly fuse to the paper [Cold Offset]
- Increasing the temperature to much may distort the paper and cause glossy lines, paper jams and insufficient toner fusing [Hot Offset].
- Depending on the type of paper, you may increase the toner gloss by increasing th temperature by 5 to 10 degrees Celsius over the initial factory setting.

Setting Name	Max Value	Min. Value	Step
Fusing Heat Roller Temperature Adjust	200	100	1 Degree(s)

75 Fusing Pressure Roller Temperature Adjust
Adjust the Pressure Roller temperature
Press (+) to increase the voltage and (-) to reduce it
NOTE:
- Decreasing the temperature too much may cause the toner to not properly fuse to the paper [Cold Offset]

Setting Name	Max Value	Min. Value	Step
Fusing Pressure Roller Temperature Adjust	200	50	1 Degree(s)

76 Fusing Nip Width Setting
Adjusts the nip width between the fusing belt and pressure roller.
Press (+) to increase the voltage and (-) to reduce it
NOTE:
- Changing this setting may lead to insufficient fusing, which may the toner to unfuse from the paper [Cold Offset].

Setting Name	Max Value	Min. Value	Step
Fusing Nip Width Setting	3	1	1

77 Adjust Fusing Temperature to Transfer Paper
Adjust the fusing temperature at which to allow paper feeding after warming up.
Paper Feeding starts when the fusing unit reaches the temperature defined by the selected mode.
Select one of the following modes
1. This is normal printing mode.
2. This mode reduces excessive luster or hot offset when printing on thin paper just after printing on thick paper.
3. This mode reduces fusing errors by increasing the fusing temperature at which paper feeding is allowed.
4. This mode reduces paper jams in the fusing pressure roller by decreasing the temperature of the fusing pressure roller at which paper feeding is allowed.
5. This mode is not used by this machine.
6. This mode is not used by this machine.

Setting Name	Max Value	Min. Value	Step
Adjust Fusing Temperature to Transfer Paper	6	1	1

78 Adjust Adding Fusing [Temperature 1]

Adjust the fusing units accumulated temperature for a specific time after a job starts.
Depending on the operating environment, the fusing temperature may drop before paper is transferred to the fusing unit. Use this function to prevent the fusing temperature dropping.
The fusing temperature must be adjusted if a fusing error or abnormal luster occurs after three to ten pages of a multi-page job are printed.
Press (+) to increase the voltage and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Adjust Adding Fusing [Temperature 1]	30	0	1 Degree

79 Adjust Adding Fusing [Temperature 2]

Adjust the fusing units accumulated temperature for a specific time after writing starts.
Depending on the operating environment, the fusing temperature may drop before the paper is transferred to the fusing unit. Use this function to prevent the fusing temperature dropping.
Fusing temperature must be adjusted if a fusing error or abnormal luster occurs after three to ten pages of a multi-page job are printed.
Press (+) to increase the voltage and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Adjust Adding Fusing [Temperature 2]	30	0	1 Degree

80 Paper Feed Interval Setting

Adjust the interval between the feeding of each sheet.
The standard interval is "100". If you set this to "50", the throughput will reduced in half.
Press (+) to increase the voltage and (-) to reduce it
NOTE:
- Depending on the fusing units temperature and the size of the paper, if you increase the interval by using [-], the copy / print speed may decrease.

Setting Name	Max Value	Min. Value	Step
Paper Feed Interval Setting	100	1	1 %

81 Reduce initial CPM [Low Temp Environment]

Select one of the three levels of copy/print speed at low room temperatures.
If the temperature of the fusing unit falls below a certain point, the machine will reduce the copy/print speed to increase fusibility. You can select from the three levels of copy/print speed reductions.
Pro C5100S
- [Do not reduce] 65 CPM Full Speed
- [Reduce Level 1] 52 CPM – 80% of full speed
- [Reduce Level 2] 42 CPM – 65% of full speed
- [Reduce Level 3] 32 CPM – 50% of full speed

Pro C5110S
- [Do not reduce] 80 CPM Full Speed
- [Reduce Level 1] 64 CPM – 80% of full speed
- [Reduce Level 2] 52 CPM – 65% of full speed
- [Reduce Level 3] 40 CPM – 50% of full speed

NOTE:
The setting will take effect if the ambient temperature is 17c[62.6f] or lower. Since the temperature of the fusing unit may decrease in a cold environment, specify this setting in addition to # 82

Setting Name	Value
Reduce initial CPM [Low Temp Environment]	Do Not Reduce / Reduce level 1 / 2 / 3

82 Reduce initial CPM [Normal / High Temp Environment]
Select one of the three levels of copy/print speed at normal / high room temperatures.
If the temperature of the fusing unit falls below a certain point, the machine will reduce the copy/print speed to increase fusibility. You can select from the three levels of copy/print speed reductions.
Pro C5100S
- [Do not reduce] 65 CPM Full Speed
- [Reduce Level 1] 52 CPM – 80% of full speed
- [Reduce Level 2] 42 CPM – 65% of full speed
- [Reduce Level 3] 32 CPM – 50% of full speed

Pro C5110S
- [Do not reduce] 80 CPM Full Speed
- [Reduce Level 1] 64 CPM – 80% of full speed
- [Reduce Level 2] 52 CPM – 65% of full speed
- [Reduce Level 3] 40 CPM – 50% of full speed

NOTE:
The setting will take effect if the ambient temperature is higher than 17c (62.6F). Since the temperature of the fusing unit may decrease in a cold environment, specify this setting in addition to # 82

Setting Name	Value
Reduce initial CPM [Normal / High Temp Environment]	Do Not Reduce / Reduce level 1 / 2 / 3

83 Adjust Cleaning Web Motor Interval
Specify the interval between each activation of the cleaning web.
If you set this to "-50%" the interval is reduced in half. Reducing the interval causes the cleaning web to wear out twice as fast, which makes it necessary to replace the web more often.

Press (+) to increase the interval and (-) to reduce it

Setting Name	Max Value	Min. Value	Step
Adjust Cleaning Web Motor Interval	0	-75	5%

84 Cleaning Web Contact and Disengage
Specify how the cleaning web comes into contact and separates**.**
If set to ON the cleaning web separates during printing. If the paper jams or the fusing pressure roller rotates in reverse, the cleaning web separates automatically regardless of this setting.
This must be adjusted if the image quality degradation due to fusing (Black Spots) occurs when printing on gloss or matte paper.

NOTE:
When using paper smaller than 11 x 17, the cleaning web separates regardless of this setting.

Setting Name	Value
Cleaning Web Contact and Disengage	On / Off

85 Fusing Nip Width Adjustment for Envelopes
Adjust the nip width between the fusing belt and pressure roller when an envelope is being fed.
If the envelope becomes wrinkled, press (-) to reduce the nip width. If a fusing error develops on the envelope.
Press (+) to increase the nip width and (-) to reduce it.
NOTE:
Increasing the nip width too much may cause the envelope to become wrinkled.

Setting Name	Max Value	Min. Value	Step
Fusing Nip Width Adjustment for Envelopes	2000	0	1 msec

86 Paper Curl Correction Level
Adjust the degree of paper decurling by the decurler unit.

Select between 1 (Weak) and 5 (Strong)

Setting Name	Max Value	Min. Value	Step
Paper Curl Correction Level	5	1	1

87 Adjust Paper Curl Correction Level
Adjust the contact pressure between the soft roller and the metal roller in the decurler unit
Use this adjustment to make a fine adjustment in addition to the adjustment made in #86, Paper Curl Correction Level
Press (+) to increase the contact pressure (-) to decrease it.

Setting Name	Max Value	Min. Value	Step
Adjust Paper Curl Correction Level	0.5	-0.3	.1mm

Finishing Position Adjustment

88 Adjust Z Fold Position 1
Adjust the width of the bottom end segment of Z Folded sheets when using the multi-folder .
Press (+) to increase the **(S)** and (-) to decrease it
The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.
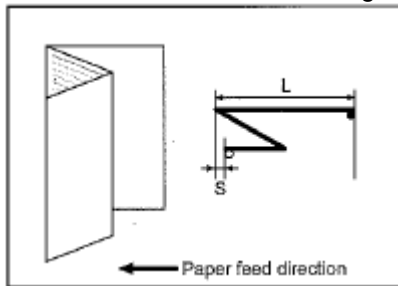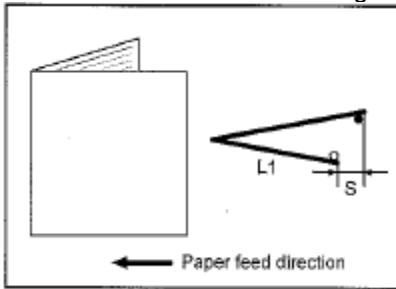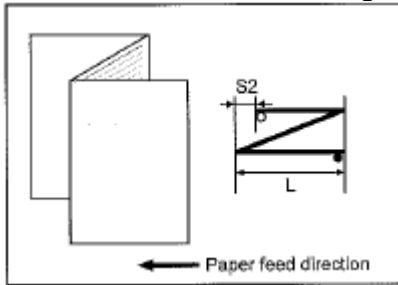

Setting Name	Max Value	Min. Value	Step
Adjust Z Fold Position 1	4.0	-4.0	0.2mm

89 Adjust Z Fold Position 2
Adjust the overall fold size of Z fold sheets when using the multi-folder **.**
Press (+) to increase the **(L)** and (-) to decrease it
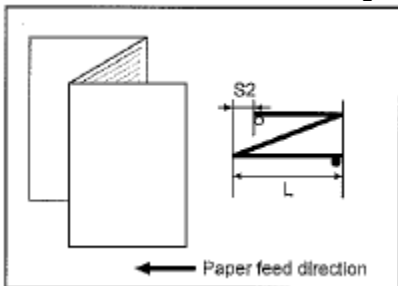The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.

Setting Name	Max Value	Min. Value	Step
Adjust Z Fold Position 2	4.0	-4.0	0.2mm

90 Half Fold Position Single Sheet Fold
Adjust the fold position of half fold sheets when using the multi-folder
This setting will not be applied when the multi-sheet fold function is enabled
Press (+) to increase the **(S)** and (-) to decrease it
The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction

Setting Name	Max Value	Min. Value	Step
90 Half Fold Position Single Sheet Fold	4.0	-4.0	0.2mm

91 Letter Fold Out Position 1 Single sheet fold
Adjust the fold position for the bottom segment of letter fold out sheets when using the multi-folder.
This setting will not be applied when the multi-sheet fold function is enabled
Press (+) to increase the **(S2)** and (-) to decrease it
The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.

Setting Name	Max Value	Min. Value	Step
91 Letter Fold Out Position 1 Single sheet fold	4.0	-4.0	0.2mm

92 Letter Fold Out Position 2 Single sheet fold
Adjust the overall fold size of letter fold out sheets when using the multi-folder.
This setting will not be applied when the multi-sheet fold function is enabled
Press (+) to increase the **(L)** and (-) to decrease it
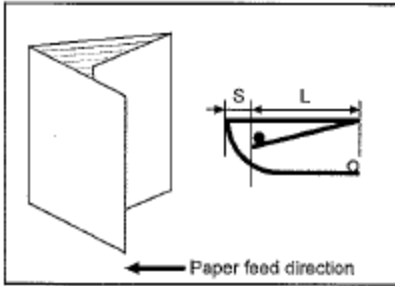The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.

Setting Name	Max Value	Min. Value	Step
92 Letter Fold Out Position 2 Single sheet fold	4.0	-4.0	0.2mm

93 Letter Fold In Position 1 Single sheet fold

Adjust the fold position for the bottom segment of letter fold in sheets when using the multi-folder
This setting will not be applied when the multi-sheet fold function is enabled
Press (+) to increase the **(S)** and (-) to decrease it
The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.
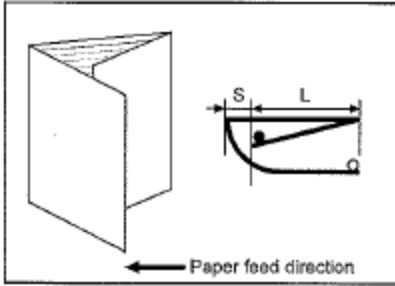
Setting Name	Max Value	Min. Value	Step
93 Letter Fold in Position 1 Single sheet fold	4.0	-4.0	0.2mm

94 Letter Fold In Position 2 Single sheet fold

Adjust the fold position for the bottom segment of letter fold in sheets when using the multi-folder
This setting will not be applied when the multi-sheet fold function is enabled
Press (+) to increase the **(L)** and (-) to decrease it
The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.

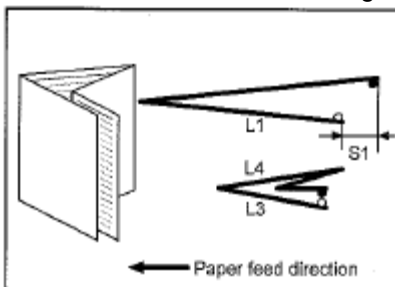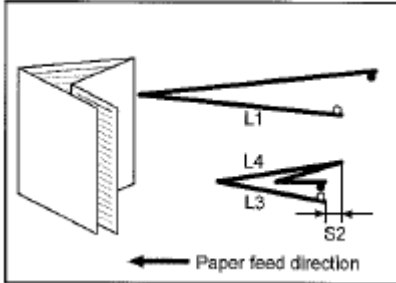| Setting Name	Max Value	Min. Value	Step
94 Letter Fold in Position 2 Single sheet fold	4.0	-4.0	0.2mm

95 Double Parallel Fold Position 1

Adjust the fold position of the bottom segment 1 (S1) of the double parallel folded sheets when using the multi-folder
Press (+) to increase the **(S1)** and (-) to decrease it
The upper right illustration shows a partly opened, double parallel-folded sheet(folded in half) and the lower right illustration shows a fully folded sheet.
The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.

Setting Name	Max Value	Min. Value	Step
95 Double Parallel Fold Position 1	4.0	-4.0	0.2mm

96 Double Parallel Fold Position 2

Adjust the fold position of the bottom segment 2 (S2) of the double parallel folded sheets when using the multi-folder

Press (+) to increase the **(S2)** and (-) to decrease it

The upper right illustration shows a partly opened, double parallel-folded sheet(folded in half) and the lower right illustration shows a fully folded sheet.

The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.

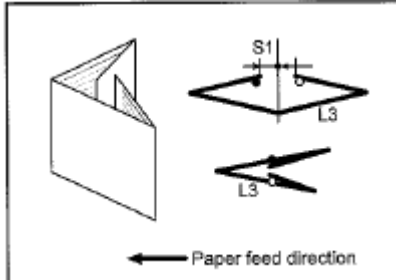| Setting Name	Max Value	Min. Value	Step
96 Double Parallel Fold Position 2	4.0	-4.0	0.2mm

97 Adjust Gate Fold Position 1

Adjust the fold width of the bottom segment 1 (S1) of gate folded sheets when using the multi-folder **.**

Press (+) to increase the **(S1)** and (-) to decrease it .

The upper right illustration shows a partly opened, gate-folded sheet and the lower right illustration shows a fully folded sheet

The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.

NOTE:

You cannot specify this setting when using 12 x 18 paper.

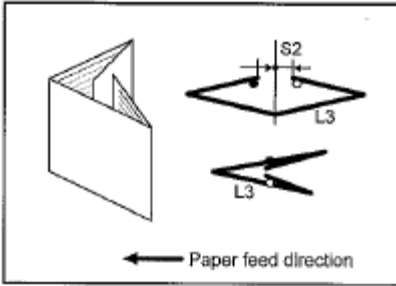| Setting Name	Max Value	Min. Value	Step
97 Adjust Gate Fold Position 1	4.0	-4.0	0.2mm

98 Adjust Gate Fold Position 2
Adjust the fold width of the bottom segment 2 (S2) of gate folded sheets when using the multi-folder **.**
Press (+) to increase the **(S2)** and (-) to decrease it .
The upper right illustration shows a partly opened, gate-folded sheet and the lower right illustration shows a fully folded sheet
The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.

NOTE:
You cannot specify this setting when using 12 x 18 paper.

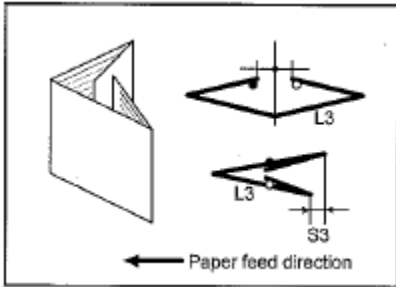| Setting Name	Max Value	Min. Value	Step
98 Adjust Gate Fold Position 2	4.0	-4.0	0.2mm

99 Adjust Gate Fold Position 3
Adjust the fold width of the bottom segment 3 (S3) of gate folded sheets when using the multi-folder **.**
Press (+) to increase the **(S3)** and (-) to decrease it .
The upper right illustration shows a partly opened, gate-folded sheet and the lower right illustration shows a fully folded sheet
The not filled in Circle "O" designates the leading edge of the paper,(relative to the paper feed direction.

Setting Name	Max Value	Min. Value	Step
99 Adjust Gate Fold Position 3	4.0	-4.0	0.2mm

Paper Library – Installation Procedure:

Note: *Prior to performing this installation, please download the file, (from either RFG Esource or th TSRC website) and unzip the file to your local PC.*

1. Create a folder on the SD card and name the folder "*mqp*".

2. Copy the MQP file into the "*mqp*" folder and then rename the copied file "*library.mqp*".

3. Make sure the mainframe (D137/D138) is turned off.

4. Insert the SD Card containing the "*library.mqp*" into the lower SD card slot on the controller.

5. Turn on the mainframe, (D137/D138).

6. Enter the SP mode. (RESET – 8-0-6-1-8-2 – Press and hold C, Select System)

7. Enter SP5711-001

8. Press "*Execute*" on the control panel.

9. Wait for the "*Completed*" message to appear and press OK.

10. Exit the SP mode

11. Turn off the mainframe and then remove the SD card from the controller.

Notes: The CH1 Pro Models D137 (Pro 5100S) and the D138 (Pro5110S) apply different MQP files. There is **NO i**nterchangeability. Install the MQP file according to the appropriate machine. The software is designed to reject the installation if the MQP file does not correspond with the correct machine.

Current Media List

Plain 52.3-65.9 gsm
Plain 66.0-80.9 gsm
Plain 81.0-100.9 gsm
Plain 101.0-127.4 gsm
Plain 127.5-150.0 gsm
Plain 150.1-216.0 gsm
Plain 216.1-256.0 gsm
Plain 256.1-300.0 gsm
Coated: Glossy 66.0-80.9 gsm
Coated: Glossy 81.0-100.9 gsm
Coated: Glossy 101.0-127.4 gsm
Coated: Glossy 127.5-150.0 gsm
Coated: Glossy 150.1-216.0 gsm
Coated: Glossy 216.1-256.0 gsm
Coated: Glossy 256.1-300.0 gsm
Coated: Matted 66.0-80.9 gsm
Coated: Matted 81.0-100.9 gsm
Coated: Matted 101.0-127.4 gsm
Coated: Matted 127.5-150.0 gsm
Coated: Matted 150.1-216.0 gsm
Coated: Matted 216.1-256.0 gsm
Coated: Matted 256.1-300.0 gsm
Txt Textured 81.0-100.9 gsm
Txt Textured 101.0-127.4 gsm
Txt Textured 127.5-150.0 gsm
Txt Textured 150.1-216.0 gsm
Txt Textured 216.1-256.0 gsm
Txt Textured 256.1-300.0 gsm
Prepunched 52.3-65.9 gsm
Prepunched 66.0-80.9 gsm
Prepunched 81.0-100.9 gsm
Prepunched 101.0-127.4 gsm
Prepunched 127.5-150.0 gsm
Prepunched 150.1-216.0 gsm
Prepunched 216.1-256.0 gsm
Prepunched 256.1-300.0 gsm
Envelope 150.1-216.0 gsm
Envelope 216.1-256.0 gsm
Envelope 256.1-300.0 gsm
OHP(Transparency)
Translucent
Avery Postcards for Laser Printers 5389
Avery White Address Labels for Laser Printers 5160

Avery White Shipping Labels for Laser Printers 5163
Columbian Business Envelope White Wove (90gsm)
Columbian Inkjet/Laser White Envelope (90gsm)
Boise Cascade Boise ASPEN 100 20lb. (75gsm)
Domtar Copy 20lb. Bond (75gsm)
Folex IMAGING X485
Georgia-Pacific Spectrum Multi-Use 20lb. Bond (75gsm)
Hammermill Color Copy Digital 28lb. Bond (105gsm)
Hammermill Color Copy Digital 32lb. Bond (120gsm)
Hammermill Fore MP White 20lb. (75gsm)
Hammermill Laser Print 24lb. Bond (90gsm)
Hammermill Tidal MP 20lb. (75gsm)
Mohawk Fine Papers Mohawk Color Copy 98 100lb. Cover (270gsm)
Mohawk Fine Papers Mohawk Color Copy 98 110lb. Cover (300gsm)
Mohawk Fine Papers Mohawk Color Copy 98 24lb. Bond (90gsm)
Mohawk Fine Papers Mohawk Color Copy 98 28lb. Bond (105gsm)
Mohawk Fine Papers Mohawk Color Copy 98 32lb. Bond (120gsm)
Mohawk Fine Papers Mohawk Color Copy 98 60lb. Cover (162gsm)
Mohawk Fine Papers Mohawk Color Copy 98 80lb. Cover (216gsm)
Mohawk Fine Papers Mohawk Color Copy Gloss 100lb. Cover (270gsm)
Mohawk Fine Papers Mohawk Color Copy Gloss 100lb. Text (148gsm)
Mohawk Fine Papers Mohawk Color Copy Gloss 32lb. Bond (120gsm)
Mohawk Fine Papers Mohawk Color Copy Gloss 80lb. Cover (216gsm)
Neenah Paper CLASSIC CREST (Solar White) 24lb. Writing (90gsm)
Neenah Paper CLASSIC CREST (Solar White) 70lb. Text (104gsm)
Neenah Paper CLASSIC CREST (Solar White) 80lb. Cover (216gsm)
NewPage Futura Laser Gloss 100lb. Cover (270gsm)
NewPage Futura Laser Gloss 100lb. Text (148gsm)
NewPage Futura Laser Gloss 80lb. Cover (216gsm)
NewPage Futura Laser Gloss 80lb. Text (118gsm)
NewPage Futura Laser Matte 100lb. Cover (270gsm)
NewPage Futura Laser Matte 100lb. Text (148gsm)
NewPage Futura Laser Matte 80lb. Cover (216gsm)
NewPage Futura Laser Matte 80lb. Text (118gsm)
NewPage Sterling Ultra Digital Gloss 100lb. Cover (271gsm)
NewPage Sterling Ultra Digital Gloss 100lb. Text (148gsm)
NewPage Sterling Ultra Digital Gloss 80lb. Cover (216gsm)
NewPage Sterling Ultra Digital Gloss 80lb. Text (118gsm)
Sappi Fine Paper Opus Gloss 70lb. Text (104gsm)
Springhill Digital Index White (199gsm)