

Atlas-TRIO15 Multi-Function Slitter/Creaser/Cutter

MAINTENANCE MANUAL

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1. Installation

1- (1)Installation

(a) Fixing screw

The fixing screws shown on below images must be removed before use.



(b) Caster

Please be sure to lock a caster brake.



(c) Feed table



- (d) Stacker and Waste box
- ① Place the Waste box under the Chute.



② Open the stacker and set the stays in the indentation of the back of the stacker at an appropriate angle to allow smooth paper ejection.

③ Adjust the large paper guide according to the paper size.



- ④ Hang the business card stacker to the Stacker panel.
- (5) Find the V- notch to see where to put the business card partition.
- (6) When it is not used, it may be hooked to the upper holes in the stacker panel.



O Change the settings of the stacker according to the cut pattern.



(e) Electric-power



1- (2)Installing options

(a) Long stacker

Loosen the screw to remove the standard stacker, attach the long stacker and tighten the screw.



Stacker can be extended by pulling an extension with pulling a lock knob.



(b) Long Feed Table

Loosen the screws, remove the standard feed table. Attach the long feed table and tighten the screws.



Adjust the large paper guide according to the paper size.



2. General instruction

(a) Caution



(b) Necessary tools

C-clip ring pliers



For replacing slitter blades





For replacing slitter blades

Feeler gauge



For clutch

(c) Factory setting

Factory setting sheet is attached inside of the front cover.



(d) Remove covers





(e) Names of parts



3. Touch panel operation

3- (1) SERVICE MENU







Press and hold the bottom left corner of the screen for 3 seconds.





Press and hold the top left corner of the screen for 3 seconds.



Enter the service password.

Ź	7
SERVICE	E MENU
MANUAL OPERATION	LANGUAGE
MAINTENANCE	
	RETURN

3- (2) MANUAL OPERATION Screen



- ① Carrying roller will rotate.
- ② Carrying roller will rotate. (Continuous)
- ③ The speed of Carrying roller can be adjusted to two levels (SLOW or FAST).
- ④ Carrying rollers will rotate at input length. [mm]
- (5) Enter the dimension of Fixed feed.
- (6) FEED TABLE will move downward while this is being pressed.
- O FEED TABLE will move upward while this is being pressed.
- 8 Vacuum motor will be turned ON and OFF.
- (9) Blow motor will be turned ON and OFF.
- 1 Guillotine will move once.
- ① Crease will move upper limit.
- 12 Crease will move lower limit.
- (1) Go to SPEED screen.
- (1) Reset the counter for servo movement to zero.
- (15) Counter for servo movement.
- (6) Stop all operations. Of note, Cutter and Crease will move to the upper limit.
- 1 Go to INPUT DATA CHECK screen.
- (18) Double Feed Detection

Transmittance of the double feed sensor is shown as an integer between 0 and 1023. The umber 1023 represents the state in which there is no sheet under the sensor, while the number closer to zero indicates that thicker sheets have been detected by the sensor.





- : no paper sheets loaded.
- (19) Return to SERVICE MENU Screen.

3- (3) SPEED Screen

VACUUM	5	▼	
AIR ADJUST→	10	▼	
AIR ADJUST↓	5	▼	
SPEED	8	▼	

 Regarding suction adjustment and speed change, refer to "5.1 Adjustments on the paper feed section" in Operation Manual.

3- (4) INPUT DATA CHECK Screen



① PPR L/EDGE SENS 1 (Origin sensor)

The sensor lamp will be turned off when shielded and turned on when transmitted.

The lamp on the screen will be turned on when shielded and turned off when transmitted.



② C/MARK SENS (Cut mark sensor)

The sensor lamp (orange) will be turned on when detecting black color and turned off with no detection. The lamp on the screen will be turned on when detecting black color and turned off with no detection. How to adjust. (I Page 40)



(3) PPR L/EDGE SENS 2 (Stop sensor)

The sensor lamp will be turned on when shielded and turned off when transmitted.

The lamp on the screen will be turned on when shielded and turned off when transmitted.

④ CUTTER UP/LMT SW

The lamp on the screen will be turned on when the switch is on.

(5) COVER SENS A, B

The sensor lamp will be turned off when shielded and turned on when transmitted. The lamp on the screen will be turned off when shielded and turned on when transmitted.

⑥ TBL LW/LMT SW

The lamp on the screen will be turned on when switched on.



(5







⑦ FD TBL UP/SENS

The sensor lamp will be turned off when shielded and turned on when transmitted.

The lamp on the screen will be turned off when shielded and turned on when transmitted.

(8) DOUBLE FEED SENSOR

The lamp on the screen will be turned off when shielded and turned on when transmitted.

(9) INPUT SENS

The lamp on the screen will be turned on when shielded and turned off when transmitted.

1 SERVO ALERT

The lamp will be turned on if an error occurs on the servo motor; the lamp stays off when no error condition exists.

① SERVO POSITIONED

The lamp stays on while the servo motor is not running and stays off while the motor is running.





20

CRSR UP/SENS

① CRSR LW/SENS

The sensor lamp will be turned off when shielded and turned on when transmitted.

The lamp on the screen will be turned off when shielded and turned on when transmitted.

(1) CONVEYER CONNECT

The lamp on the screen turns on when the harness is connected to the machine. It turns off when the harness is disconnected.

(15) CONVEYER SENS

The lamp on the screen will be turned off when shielded and turned on when transmitted.

16 RETURN

Return to Manual Operation Screen.







3- (5) LANGUAGE Screen



① Language

Select an appropriate language. The language of the touch panel will switch on. English is selected at the time of shipment.

2 RETURN

Return to Service menu Screen.

3- (6) MAINTENANCE Screen



- ① Distance between guillotine and creaser. [mm]
- 2 Distance between stop sensor and guillotine. [mm]
- ③ Distance between origin sensor and Cutmark sensor. [mm]
- ④ Distance between origin sensor and guillotine. [mm]
- ⑤ The number of times that the machine checks double-feed. [times]
- (6) This is the time when the paper feed table goes down. [times]
- ⑦ Total number of processed Guillotine. [times]
- 8 Total number of processed Crease. [times]
- (9) Total number of processed paper. [sheets]
- 1 Operation time of Feed table. [hours : minutes]
- 1 This is to select either Conveyor or AutoFold as an External interface.
- 1 This is to set either mm or inch as the measurement input unit.
- (13) Return to Service menu Screen.

4. Paper jam

① Enter MANUAL CONTROL screen, press < > buttons to inch the rollers forward/backward and remove the jammed paper.

If paper is stuck around the guillotine section, press CUTTER to cycle the guillotine to chop jammed paper.



MANUAL CONTROL screen

② Detach Sponge roller and Slitter cover if necessary, and remove jammed paper.



Note.

Do not attach Slitter cover on Washer and Screw. This may cause paper jam.



Washer & screw

Note.

Remove paper in waste box before the waste bin becomes full. It may cause paper strips remain inside the machine and cause paper jam.



Note.

If paper jam often occurs, make sure that paper strip is not left in the indicated sections.

- Inside of Slitter head
- Inside of Guillotine cover
- Inside of Crease



5. Replacement of parts

5- (1) Slitter Unit

① Remove Slitter cover.



Back side

- ② Loosen 7screws. (Not remove)
- ③ Remove 1screw.
- (4) Remove pulley and Retaining ring-E.



Front side

- (5) Loosen 2screws and remove cover.
- 6 Remove hexagonal shafts.
- ⑦ Remove 1screw.



8 Pull Slitter Units out.

Shaft might get rusty if touched by bare hands.



Note.

When removing the shaft from the slitter head, ensure not to lose the set piece.



Note.

When fixing a slitter blade on a Margin slitter, fix the screws with pressing the Upper slitter lid towards arrowed direction.

This moves the contact point of the Upper blade and Lower blade, and improves cutting quality.



5- (2) Guillotine Unit

1 Check if the locating metal plate is in contact with the cutter unit.

This will be a mark for reattachment.

- 2 Remove screws and Guillotine Cover.
- 3 Remove screws and pull Guillotine Unit out.









5- (3) Feed belt unit

1 Remove screws and cover.



② Disconnect the harness.



③ Remove clutch.



④ Feed belt unit can be removed after bolts are removed.



Note.

After mounting the feed unit, ensure that the gap between clutches is 0.25 ± 0.1 using a feeler gauge.



6. Adjustment

6- (1) Feed settings

(a) Blower



Input 10 in case paper is too heavy to feed.

There will be possibility of double feed if paper is too thin. In this case, input 5.

Ensure that LONG AIR BLOW is shown on the screen. There is possibility of empty feed.

(b) Aligner

① Check angle of aligner by position of a hole in below picture when attaching the feed belt unit.



② It is factory setting if Feed belt unit is attached so that a small hole contacts a big hole.

Hole position			
Status	Default (FactorySetting)	_	Parallel to Guide
Effectiveness of Aligner	High	Low	None

(c)Feed area mechanical adjustments

(1) Lower Blower position



Note.

Do not remove screws because blower will drop.



(2) Separator position



Separator must be placed on higher position than blower surface.

(3) Feed belt unit position



Adjust bolts This will be a mark for reattachment.



Lift and fix Feed belt unit with 2mm thick paper inserted as above figure.

Ensure that it is parallel to the Feed guide by sight.


(4) Feed sensor position

When the feed table is upper dead point, the proper gap between the feed table and the feed belt is 2 ± 0.5 mm (0.08" ± 0.02 ").

Loosen the screws and adjust the position of the feed sensor properly.



(5) Parallelism of basement

① In case that you detached the basement for the purpose of parts replacement etc., the basement can be attached parallel by pressing the base against Locating metal plate.

(Ensure that the basement is put on Locating metal plate when you detach it)



② Please detach this part below in case that the upper surface of the basement is not parallel.



③ Settle a reference from two delivery rollers and adjust parallelism of the base with tolerance within 0.3 mm between A and B.





6- (2) Cut mark sensor

- 1 Remove the sensor cover.
- ② Adjust the switch at "D" ($D\Leftrightarrow L$).
- ③ Turn the volume from "MIN" to "MAX" slowly without TEST MARK(Black).
- ④ As the volume is turned, green LED lights off, orange LED lights off, and green LED lights on again. Stop turning the volume at the position where green LED lights on.
- (5) Ensure that the orange LED lights when it senses the TEST MARK (Black) and the orange LED does not light when it senses the white part of the TEST MARK(Black). In addition to above, ensure that the green LED lights at all times. (If the green LED lights off sometime, the sensor may detect cut marks inconsistently.)







Adjust it with a narrow Minus-head screwdriver.

6- (3) PCB setting

CPU Board

Subject	How to adjust
Origin Sensor	Turn VR3 fully in clockwise.
Stop Sensor	Turn VR4 fully in clockwise.
	Turn VR2 on CPU Board fully in anticlockwise.
	Adjust VR1 on CPU Board with paper (126gsm) so that Double
	feed detection counter on Manual Operation Screen shows
Double Feed Sensor	approximately 500. After this procedure, ensure that Double
	feed detection shows more than 40 with paper (350gsm). If this
	value is less than 40, adjust volume so that it shows more than
	40.

I/O Board

Subject	How to adjust
Feed Sensor	Turn VR15 fully in clockwise.

CPUBoard





6- (4) Accuracy adjustment

- (a) Length adjustment
 - Regarding Length adjustment, refer to "5.5.2 If the cut measurement does not match the input value" in Operation Manual.
 - ② Overwrite the initial setting value when you finished adjustment. .



③ The values shown on the screen will be 0 after overwriting.

The ×1.000 (length magnification) part will not become ×1.000 by press keeping 3 seconds at the bottom left corner (will not be stored internally).

 If you prefer to reset values to factory settings, amend values shown on the Service Menu screen according to data which is attached inside of the front cover.
 (Improvementation Page12)

7. How to make layout

7- (1) General template(mm)



7- (2) General template(inch)





$\mathbf{\tilde{o}}$ Electricity related

(1) Equipment, Electric circuit, and parts







8- (2) Board Details

①CPU Board



②I / O Board



③ Wiring Details



8- (3) Input/Output LED Details



 $\textcircled{1}\mbox{LED}$ on Lower Side



②LED on Left Lower Side

D47 : OUTPUT- None	1959
D46 : OUTPUT- None	K256 151 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
D45 : OUTPUT- Clutch	
D43 : OUTPUT- Conveyer motor	
D41 : OUTPUT- Side Blow fan motor	190 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
D36 : OUTPUT- Feed table move down	
D35 : OUTPUT- Feed table move up	
D31 : OUTPUT- Blow fan motor	
D30:OUTPUT- None	
D29 : OUTPUT- None	
D27:OUTPUT- Vacuum fan motor	
D25 : OUTPUT- Crease motor move reverse	Bright and State
D23 : OUTPUT- Crease motor move forward	KS+1 1

③LED on Left Upper Side

- D48 : INPUT- None D40 : INPUT- None
- D24 : INPUT- Connect for Conveyer
- D42 : INPUT- Cutter upper limit switch
- D34 : INPUT- Feed table lower limit switch
- D26 : INPUT- None
- D11 : INPUT- None
- D04 : INPUT- None
- D62 : INPUT- Cover limit switch B
- D59 : INPUT- Cover limit switch A
- D56 : INPUT- None
- D52 : INPUT- None
- D44 : INPUT- None
- D37 : INPUT- Crease upper sensor
- D28 : INPUT- Crease lower sensor
- D13 : INPUT- Cut mark sensor
- D20 : INPUT- Stop sensor
- D03 : INPUT- Origin sensor

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④LED on Upper Side



8- (4) Tap Voltage Details



I/O BOARD





8- (5) Wiring Details









9. Program update

9- (1) Software install

(a) Requirements

	Transfer Tool	AVR STUDIO
Supported OS	Windows XP/VISTA/7/8/10	Windows XP/VISTA/7/8/10
CPU	Pentium IV 1 GHz processor	Pentium 200 MHz processor
	or equivalent	or equivalent
Memory	1 GB or more	256 MB or more
Hard disk space	340 MB or more	100 MB or more
Display	1024 × 768 screen	1024 × 768 screen
	16 bit high color or better	(minimum 800 × 600 screen)
Interface	USB port	USB port

(b) Confirmation of Accessories



(c) How to install Transfer Tool

Download the Transfer Tool Installer via below link.

http://www.hmisource.com/otasuke/en/download/freesoft/gpproex_transfer/v4/gpproex_transfer.htm

(The procedure below is for WINDOWS 7)



(d) How to install AVR STUDIO

(The procedure below is for WINDOWS XP)

Double click on "AVR_TOOL¥ AvrStudio4Setup.exe" of the CD/DVD.





Next is the update of AVR STUDIO.

Double click on "AVR_TOOL¥ AVRStudio4.18SP3.exe" of the CD/DVD.



Next is the installation of WINAVR.

Double click on "AVR_TOOL¥ WinAVR-20100110-install -install.exe" of the CD/DVD.





Next is the installation of win8_10_atmel_driver.

If the OS of the PC is Windows 8 or 10, install this driver.

Double click on "win8_10_atmel_driver¥ driver-atmel-bundle-7.0.888.exe" of the CD/DVD.

Atmel USB Driver Package Setup	x	
Atmet USB DRIVER PACKAGE		
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✓ I agree to the license terms and condition Options	ons	
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9- (2) Touch panel

(a) Connecting to a computer / Transfer Tool operation

If any changes are made to the touch panel content, we will send the data to you most likely by e-mail.

The data format will look like "Morgana AutoCut_V100.prx" with a file extension of ".prx". The figure "100" refers to a version, which means Version 1.00.

Save this data in a folder of your choice in your computer and upgrade the version as follows:

① Remove the unit cover, and connect the USB cable provided with the unit to the back of the touch panel as shown below. (The procedure below is for WINDOWS XP).



- ② Turn on the power supply. If the installation of the USB driver is necessary at this point, install the driver using DISK2, which contains the driver in the USB folder.
- ③ Start up the computer and double click on



④ Click on Select Project.



(5) Select the folder in which you saved our screen data, select a file with a file extension of prx.

名前	更新日時	種類	サイズ	
🕌 default	2018/03/31 11:25	ファイル フォルダー		Select where you saved the
🕌 🖪 Т Р	2018/03/30 16:14	ファイル フォルダー		"
🕌 送信用	2018/03/31 13:40	ファイル フォルダー		".prx" file sent from us.
🚰 morgana AutoCut_V101.prx	2018/04/03 14:03	PRX ファイル	7,867 KB	
ファイル名(N): morgana AutoCut_V101pr	x		關((0)	

⑥ Click on Send Project or ♥ ♦ ■



⑦ Click Yes if a question, "Transfer change in system setting?" is asked. If the question is not asked, you do not need to do anything.

Display Unit	Status	USB(A to Mini B)
USB(Áto Mini B)	Preparin	Connecting to display unit. Starting password check. Password check complete. Entering transfer mode. Starting to check Rurtime version. Rurtime version. check complete. Check project. VSB(A to Mini B) VSB(A to Mini B) VSB(A to Mini B) Ves No Cancel
		Abot

(8) The touch panel will make a peep sound when the transmission has completed. Click Close.



(9) After your installing updated software, the direction you can see the below will remain on the touch panel. After seeing that words on the screen, turn off the machine and turn it on again.

Initialising
Please do not power off the machine.

9- (3) CPU board

(a) AVRISP mk II connection and AVR STUDIO operation

If any changes are made to the program content, we will send the data to you most likely by e-mail.

The data format will look like "Morgana AutoCut_V100.hex" with a file extension of ".hex" The figure "100" refers to a version, which means Version 1.00. Save this data in a folder of your choice in your computer and upgrade the version as follows:

 Remove the cover at the bottom of the front of the unit. Connect AVRISP mk II provided with the unit to CN7 of the CPU Board, and connect the USB cable to the computer.



(2) If the installation of the USB driver is necessary at this point, install the driver following the procedure below (The procedure below is for WINDOWS XP).





③ Start up the computer and double click on Start ⇒ Program ⇒ Atmel AVR Tools
 ⇒ AVR Studio 4.

W	m Paint Shop Pro	•	╆ AVR Studio 4
Paint Shop Pro 4.2J	😕 Acrobat Distiller 7.0		👔 AVR Tools Help 🔍
	🖄 Adobe Acrobat 7.0 Standard		👂 Plug-in Manager 🛛 🔪
すべてのプログラム(型) 👂	m KEYENCE Applications	≁	👔 AVR Battery Studio
	💼 Skype	►	or AVR QTouch Studio
	🛅 Atmel AVR Tools	Þ	🖌 AVR Wireless Studio
🦺 ZA-V 🔰 🍯 🛱 🗁	🛅 CCT Win	►	

④ Click on Cancel.



(5) Click on AVR (Connect to the Selected AVR Programmer).



6 Select AVRISP mk I for Platform, Select USB for Port, click on Connect.

Connect failed - Sele	et AV	R Programmer	
AVRISP AVRISP AVRISP mkli JTAG ICE JTAGICE mkli AVR Dragon STK600	< 1	USB	Connect Cancel Baud rate: 115200
Tip: To auto-connect to the p button on the toolbar.	rogram	" mer used last time, press the "Programmer"	Baud rate changes are active immediately.
Note that a tool cannot be us a debugging session. In that Disconnected Mode	ed for p case, se	rogramming as long as it is connected in elect 'Stop Debugging' first.	

⑦ If the following warning appears on the screen, AVRISP mk II firmware upgrade is necessary. Click on OK. If the warning does not appear on the screen, skip to ^①.

AVRISP mkII
An AVRISP mkII with firmware version 1.10 has been detected. Version 1.12 is available. Press OK to upgrade the firmware, or Cancel to continue without upgrading.
NOTE! Correct operation is not guaranteed if an upgrade is not performed.
OK キャンセル

⑧ Click on Start Upgrade.



(9) Disconnect the USB cable of AVRISP mk II and connect it again. After that, click on OK. If AVR STUDIO has shut down, return to (3) and conduct the operation again.



1 Click on Main tab, select the Atmega2560 for Device and Signature Bytes.

Wan Program Fuses Lock Bits Device and Signature Bytes No. device selected ATmega168 ATmega168P ATmega168P ATmega168P ATmega168P ATmega168P ATmega168P ATmega164P ATmega164P ATmega164P ATmega164P ATmega164P ATmega164P ATmega164P ATmega164P ATmega164P ATmega164P ATmega2620 ATmega262P ATmega262P ATmega262P ATmega262P ATmega262P ATmega262P	Advanced HW Settings	S HW Info Auto Erase Device Bead Signature Settings. ISP Frequency: 1250 kHz	

 Click on Main tab and on Settings. Select 500 kHz for ISP Freq, click on Write, and click on Close.

AVRISP mkII in ISP mode with ATmega2560 Main Program Fuses LockBits Advanced HW Settings HW Info Auto Device and Signature Bytes ATmega2560 Frase Device Signature not read Bead Signature	AVRISP mkII in ISP mode with ATmega2560 Main Program Fuses LockBits Advanced HW Settings HW Info Auto Device and Signature Bytes ATmega2560 Erase Device Signature not read Bead Signature
Programming Mode and Target Settings SP mode SP Frequency: 1250 kHz	Programmin Target Settings ISP mode ISP Clock ISP Frode ISP Clock ISP Frode ISP Odd ISP Frode Clock ISP Here Close
Setting isp parameter. SD=0x06 . OK	Getting isp parameter. SD=0x06 . OK

 After clicking on Program tab, select the folder where the file was initially saved as the save location. By clicking on Program, the transmission of the program will start. (About 30 sec.)

Frase device before flash programming	Verify device after programming	
Flash		
© Input HEX File c¥aerocut_100.hex Program Verify	Bead	Select where our ".hex" file was
EEPROM C Use Current Simulator/Emulator EEPROM Memory Input HEX File		initially saved.
Program Verify	Read	
ELF Production File Format		
Program Save	Fuses and lockbits settings must be specified before saving to FLF	

(i) Click the LockBits tab, and click ▼ next to "No memory lock features enabled," then, select

"Further programming and verification disabled."	Click "program".

Main Program Fuses CKBits Advanced HW Settings HW Info Auto	Main Program Fuses LockBits Advanced HW Settings HW Info Auto	
Fuge Value	Fuse Value	
LB No memory lock features enabled	LB No memory lock features enabled	
BLB0 No lock on SPM and LPM in Application Section	BLBO Further programming and verification disabled	
BLB1 No lock on SPM and LPM in Boot Section	BLB1 Further programming disabled	
	No memory lock features enabled	_
LUCKBIT UXFF	LUGKBII UXHF	
Auto read 🛕 Lockbits not read To clear lockbits, use Erase Device on Main tab	To clear lockbits, use Erase Device on Main tab	
✔ Smart warnings	. V Smart warnings	1
Verify after programming Verify Nead	Verify after programming Verify Read	
	Entering programming mode, OK!	
AVRISP mkII with serial number 000200018616 found.	Internet accepted and the accepted accepted and the accepted ac	
Getting isp parameter SD=0x04 OK	Lock bits verification. OK	
	Heaving programming mode ()K	
AVRISP mkII in JSP mode with ATmera2560	Leaving programming mode, Orc	
AVRISP mkII in ISP mode with ATmega2560		
AVRISP mkII in JSP mode with ATmega2560		
AVRISP mkII in ISP mode with ATmega2560		
AVRISP mkII in ISP mode with ATmega2560 Main Program Fuses LockBits Advanced HW Settings HW Info Auto Fuse Value LB Further programming and verification disabled BLB0 No lock on SPM and LPM in Application Section		
AVRISP mkII in ISP mode with AT meea2560	Learne programme mode. Un	
AVRISP mk.II in ISP mode with ATmers2560 Main Program Fuses Lock.Bits Advanced HW Settings HW Info Auto Fuse Value LB Further programming and verification disabled BLB0 No lock on SPM and LPM in Application Section BLB1 No lock on SPM and LPM in Boot Section V	Leaving programming induc. One	
AVRISP mkII in ISP mode with AT mega2560		
AVRISP mkII in ISP mode with AT mega2560	Learne programme mode. Or	
AVRISP mk.II in ISP mode with ATmera2560 Main Program Fuses LockBits Advanced HW Settings HW Info Auto Fuse Value LB Further programming and verification disabled BLB0 No lock on SPM and LPM in Application Section BLB1 No lock on SPM and LPM in Boot Section V	Leaving programming indue. Une	
AVRISP mkII in ISP mode with AT meea2560	Learne programme mode. Un	
AVRISP mkII in ISP mode with AT meea2560	Learne programme mode. Un	
AVRISP mkII in ISP mode with AT meea2560	Learne programme mode. Un	
AVRISP mkII in ISP mode with AT meca2560	Learne programme mode. Un	
AVRISP mkII in ISP mode with AT mega2560	Leave projoining indue. Un	
AVRISP mkII in ISP mode with AT mega2560	Leave projoining induc. Un	
AVRISP mkII in ISP mode with AT mega2560	Leave projoining indue. Un	
AVRISP mkII in ISP mode with AT meea2560	Leens projoining indue. Un	
AVRISP mkII in ISP mode with AT meea2560	Leens projoining indue. UK	
AVRISP mkII in ISP mode with AT meea2560	Leens projoining inco. UK	
AVRISP mkII in ISP mode with AT mega2560 Main Program Fuses LockBits Advanced HW Settings HW Info Auto Fuse Value Value Image: CockBits Advanced HW Settings HW Info Auto BLB0 No lock on SPM and LPM in Application Section Image: CockBits Image: CockBits <t< td=""><td>Leens projoining inco. UK</td><td></td></t<>	Leens projoining inco. UK	
AVRISP mkII in ISP mode with AT meca2560	Leens projoining mode. UK	
AVRBSP mkII in ISP mode with AT mega2560		

- (1) The process is completed when the transmission of the program has finished.

10. Cleaning & greasing

Do not remove these parts out of the machine when cleaning & greasing as regular maintenance.




11. Recommended replacement parts

Parts name	Parts No.	Qty	Parts list
Slitter blade ASSY	7707 0001	2	
(Margin, upper)	7707-0001	2	
Slitter blade ASSY	7707 9002	2	Dogo 2
(Gutter, upper)	1101-0002	2	raye s
Slitter blade ASSY	7707 8003	6	
(Lower)	1101-8003	0	
Paper feed belt	80-718	4	Page 13
Guillotine	61-045	1	Page 27
Carrying roller (Soft)	7703-0602	5	
Carrying roller (Hard)	7707-0601	1	
Carrying roller (Hard)	7703-7601	1	
Carrying roller (Hard)	7700 7000	2	Daga 27
With black mark	1103-1602	2	Page 37
Carrying roller (Soft)	7703-0603	1	
Timing belt	82-541	1	
Timing belt	82-542	1	

12. Troubleshooting

1	This occurs when the Safety cover or Stacker panel is opened. If the screen below remains after close the both cover. COVER OPEN ! Please close cover.	 Cover Sensor either A or B, or both may be out of order. 3- (4) INPUT DATA CHECK Screen The angle of the shield plate may be wrong. 3- (4) INPUT DATA CHECK Screen I/O Board may be out of order. CPU Board may be out of order. Wire, breakage, or connection failure
		may have occurred.
2	This occurs when the unit was started with paper still remaining inside the unit. If the screen below remains after paper removal. RETURN Paper Path Blocked ! Please remove paper.	 Either Origin Sensor, C/M Sensor, or Stop Sensor may be out of order. 3- (4) INPUT DATA CHECK Screen CPU Board may be out of order. Wire breakage or connection failure may have occurred.
3	This occurs when the paper did not pass through Origin Sensor at time of paper feeding. If this occurs frequently (except when there is no paper on Feed Table) RETURN TIME OUT ERROR DETECTED! Please check paper path.	 When Feed Belt and Carrying Roller are both rotating: Paper guides (Small) hold the sheets too tightly on the Feed table. Paper tip could remain inside of the machine. Clean feed belts. Vacuum motor may be out of order. Origin Sensor may be out of order. Ørigin Sensor may be out of order. I/O Board may be out of order. CPU Board may be out of order. Wire breakage or connection failure may have occurred.

		When Feed Belt is not rotating:
RETURN		Clutch may be out of order.
	 I/O Board may be out of order. 	
	RETURN	CPU Board may be out of order.
		Wire breakage or connection failure
		may have occurred.
3	Please check paper path.	When Carrying roller is not rotating:
		Servo Motor and/or Driver may be out
		of order.
		CPU Board may be out of order.
		Wire breakage or connection failure
		may have occurred.
	This occurs when the paper did not pass	When Carrying Roller is rotating:
	between Origin Sensor and Stop Sensor	· Paper tip could remain inside of the
	within a designated period of time.	machine.
If this frequently occurs,	If this frequently occurs,	Origin Sensor may be out of order.
		🎯 3- (4) INPUT DATA CHECK Screen
	RETURN	 Stop Sensor may be out of order.
		🖙 3- (4) INPUT DATA CHECK Screen
	TIME OUT ERROR DETECTED!	Slipping is caused by powdered paper
	Please check paper path.	at Feed Roller.
	1	Paper warpage may have occurred.
4		Slitter may be out of order.
		CPU Board may be out of order.
		Wire breakage or connection failure
		may have occurred.
		When Carrying roller is not rotating:
		Servo Motor and/or Driver may be out
		of order.
		CPU Board may be out of order.
		vvire breakage or connection failure
		may nave occurred.
1		

	This occurs when Feed Table is	Feed Motor may be out of order.
	overloaded.	• Switch (FD TBL UP/SENS, TBL
5	If this occurs frequently,	LW/LMT SW) may be out of order.
	RETURN	☞ 3- (4) INPUT DATA CHECK Screen
		Screws of the coupling may be loose.
		 I/O Board may be out of order.
	Please check paper feed table!	CPU Board may be out of order.
		• Wire breakage or connection failure
		may have occurred.
	This occurs when Cutter or Crease are	When Cutter is overloaded:
	overloaded.	• Paper tip could remain inside of the
	If this occurs frequently,	machine.
		Paper double feeding.
		Paper thickness is out of specification.
		Cutter blade may be blunt.
		Cutter Motor may be out of order.
	RETURN	• Switch (CUTTER UP/LMT SW) may be
		out of order.
		🖙 3- (4) INPUT DATA CHECK Screen
	Please check TRIMMER or CREASE UNIT.	 I/O Board may be out of order.
		CPU Board may be out of order.
	 ↓ 	• Wire breakage or connection failure
		may have occurred.
6		When Crease is overloaded:
		Paper tip could remain inside of the
		machine.
		Paper double feeding.
		Paper thickness is out of specification.
		· Crease depth adjustment may be set
		incorrectly.
		Crease Motor may be out of order.
		Sensor (CRSR LW/SENS) may be out
		of order.
		🖙 3- (4) INPUT DATA CHECK Screen
		 I/O Board may be out of order.
		CPU Board may be out of order.
		Wire breakage or connection failure
		may have occurred.

	This occurs when Cut Mark could not be	Cut Mark printing density needs to be
		Cut Mark Sensor needs to be
	RETURN	re-adjusted.
7	CUT-MARK ERROR DETECTED! PLEASE CHECK CUT-MARK or SENSOR!	 G- (2) Cut mark sensor Cut Mark Sensor may be out of order.
		☞ 3- (4) INPUT DATA CHECK Screen
	-	CPU Board may be out of order.
		• Wire breakage or connection failure
		may have occurred.
	Two or more sheets are fed at one time.	Fan out the paper sufficiently and jog
	If this occurs frequently,	the paper to make the each of the
		sheets separately.
	RETURN	Adjust the volume of Blower Fan and
		Vacuum Fan.
		³ 3- (3) SPEED Screen
8		Blow motor may be out of order.
	↓	Note:
		Activate double-feed detection mode.
		STOPERATION MANUAL
		「5.1 Adjustments on the paper feed
		section」
	This occurs when a servo error is	COVER SENS A, B may be out of
9	detected. If this occurs frequently,	order.
		🎯 3- (4) INPUT DATA CHECK Screen
	RETURN	Servo Motor Driver may be out of order.
	•	Servo Motor may be out of order.
	SERVO ERROR DETECTED !	CPU Board may be out of order.
	Please power down + Restart machine.	• Wire breakage or connection failure
		may have occurred.
1		

10	This occurs at times of communication errors. If this occurs frequently, RETURN ERROR CODE: -6 COMMUNICATIONS ERROR!! Please power down + Restart machine.	•	Touch Panel may be out of order. CPU Board may be out of order. Wire breakage or connection failure may have occurred.
11	This occurs at times that machine is operated when Cutter is not on top dead center. If this occurs frequently, RETURN MOVE THE KNIFE UNIT TO TOP DEAD CENTER!! This occurs at times that machine is	•	Switch (CUTTER UP/LMT SW) may be out of order. 3- (4) INPUT DATA CHECK Screen I/O Board may be out of order. CPU Board may be out of order. Wire breakage or connection failure may have occurred.
12	operated when Cutter is not on bottom dead center. If this occurs frequently, RETURN MOVE THE CREASING UNIT TO BOTTOM DEAD CENTER!!	-	of order. 3 - (4) INPUT DATA CHECK Screen I/O Board may be out of order. CPU Board may be out of order. Wire breakage or connection failure may have occurred.
13	This occurs when more sheets than set number has been delivered. If this occurs frequently, RETURN OVER FEED ALERT !! CHECK THE PAPER ON THE DELIVERY TRAY.	•	Clutch may be out of order. I/O Board may be out of order. CPU Board may be out of order. Wire breakage or connection failure may have occurred.

	The dimensions of finished card are	Make it correct at ADJUST Screen.
14	different from the measurements you have	STOPERATION MANUAL
	input.	「5.6.2 If the cut measurement does not
		match the input value
	The lengths of finished cards are uneaqual.	Clean Carrying rollers.
		Clean Sensors.
15		Cutter blades could have got damaged
	← FEED	and got partly dull. Replace the cutter
		unit.
	The widths of finished cards are uneaqual.	Clean Carrying rollers.
		Slitter blade could have got damaged
		and got partly dull.
16		CPU Board may be out of order.
		Servo Motor Driver may be out of
		order.
		Servo Motor may be out of order.
	Two or more sheets are fed at one time.	Fan out the paper sufficiently and jog
	If this occurs frequently,	the paper to make the each of the
		sheets separately.
		Adjust the volume of Blower Fan and
		Vacuum Fan.
17		্রে 3- (3) SPEED Screen
		 Blow motor may be out of order.
		Note:
		Activate double-feed detection mode.
		STOPERATION MANUAL
		^{[5.1} Adjustments on the paper feed
		section
A sheet stops after moving slightly (with		Thick paper cannot be fed at higher
	noise)	speed and a sheet stop being fed with
		noise.
18		Please slow down the speed.

	Paper jam occurs frequently.	Paper curl too much to be conveyed smoothly.
19		 The dimensions of the paper are different from the measurements you input into the machine. Paper tip could remain inside of the machine.
		(Origin sensor, Slitter, Cutter, Creaser)
	Paper remains at a Crease blade.	Make Crease depth smaller.
20		COPERATION MANUAL
		「5.5 Creaser adjustment」
	The movement of slitter block is not	Please adjust slitter head.
21	smooth.	∎⁄≊ Page. 26



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