Baby Folder
Service Manual

D850101X
March 2015

3. Folding Quality

Initialization Procedure

Prior to troubleshooting fold quality defects, insure that the following parameters are correct:

- Check that the print exits correctly from the printer, without dog-ears, wrinkles or curl.
- The media rolls must be positioned correctly.
- The lead edge on the paper rolls must be straight.
- Do not open door or change folding style during folding process.

Fold defects

Fold quality applies to entire print. Defects can occur anywhere on the print. These defects could be print damage or incorrect folded package dimensions.

Always eliminate problems that cause media damage before attempting to fix fold quality problems. Some media damage problems can cause fold quality problems.

To fix folding quality problems:

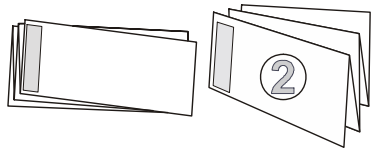
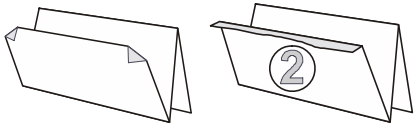
1. Compare the fold defect to the Fold Quality Definition.
2. Go to the specific folding quality RAP (Damage, Skew,etc.…)
3. Identify the defect by comparing the print appearance with the drawing shown in the "Defect" column.

Refer to the "Probable Cause" column and inspect each parameter to determine which has caused the specific defect.

4. When the "Probable Cause" is identified, refer to the corresponding "Corrective Action" and perform the indicated adjustment(s) or repair procedure(s).
5. Perform the Corrective Action

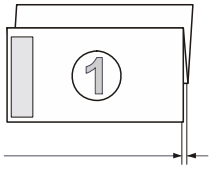
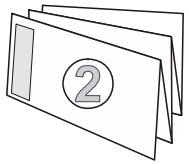
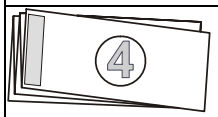
Fold quality definition

The following terms are some of the most commonly used terms that describe fold quality problems.

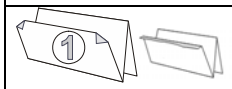
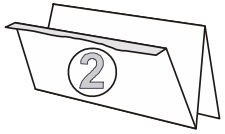
FOLD SKEW	
FOLD DAMAGE	
FOLD DIMENSIONS	

Fold quality RAPS

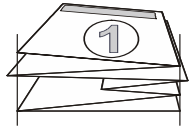
FQ 1 FOLD SKEW

Defect	Probable Cause	Corrective actions
 Edges not parallel	A. Incorrect copy feed and provide copy fold stair B. Copy Edge not squared 90° this may also provide cross fold process vs fan fold process C. Folder Table not Aligned	A. See Babyfolder Quick Guide B. Trim copy edge, upgrade to TAG 2 C. Adjust the Folder Table alignment (refer to REP 1.4 section 4; contact GST before)
 Fan Skewing		
 Stair and/or Torsion effect	A. Wrong Mobile Roller Pressure/Alignment	A. Perform Mobile Roller Pressure

FQ 2 FOLD DAMAGE

Defect	Probable Cause	Corrective actions
 Copy dog-ears Copy edge damaged	A. Printed copy defect	A. Flatten the copy lead edge and check the print does not have dog-ears
	A. Copy with title block folded inside, incorrect fold process start under sensor C3 instead under sensor C2	A. Check the print orthogonality, the copy lead edge should detected first by sensor S1 and then S0. B. Install TAG 2
 Wrinkles on Fan folded panels	A. Copy not flatted enough	A. Flatten carefully the copy on the table in order to avoid bubbles and wrinkles on the folded copy (Babyfolder Quick Guide)

FQ 3 FOLD DIMENSIONS

Defect	Probable Cause	Corrective actions
 Unequal fan panels 210 mm folded not between 1 mm tolerance	A. Incorrect fold setup B. Folder clutch loosen	A. Enter Folder Adjustment Addresses (Section 6) B. Perform clutch adjustment Adj 1.3

FQ 4 FOLD OUTPUT

Defect	Probable Cause	Corrective actions
 Title block folded inside	A. Incorrect feeding direction or wrong title block position.	A. Refer to Folding Using in the Babyfolder Quick Guide

PICTURE INDEX

1. FOLDER REPS

REP 1.1 UPPER COVER REMOVAL

1. Switch off the folder
2. Remove the two front screws under the Cover edge
3. Remove the Upper Cover by lift the front and slide backward

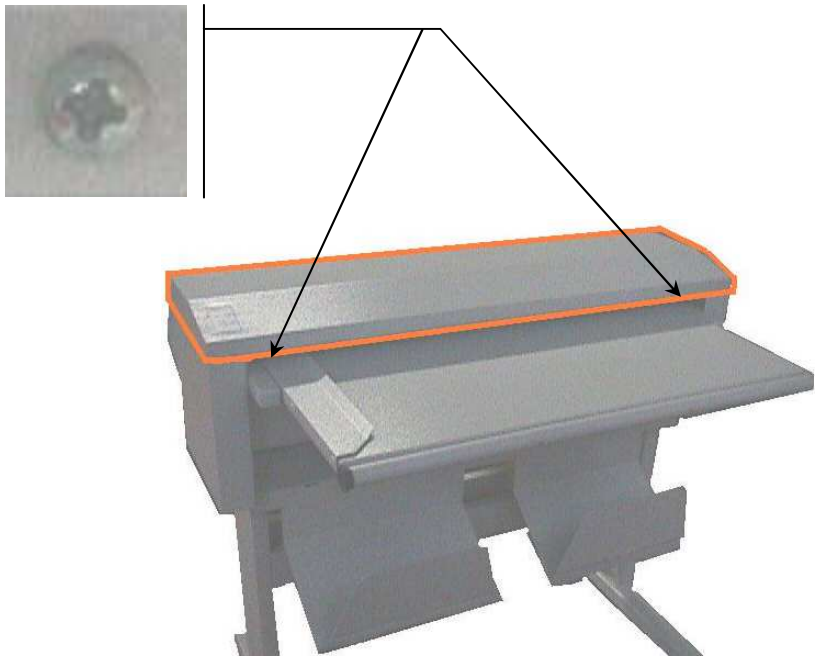
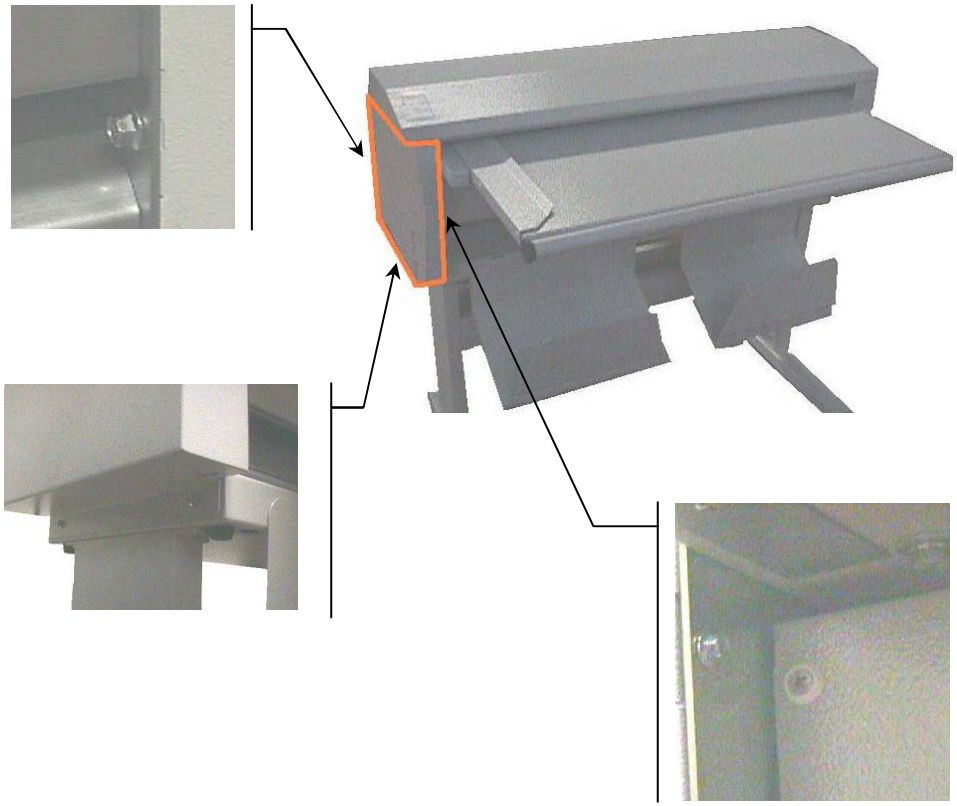


Figure 4- 1 Upper Cover Removal

REP 1.2 LEFT/RIGHT COVER REMOVAL

1. Switch off the folder and unplug the main power
2. Remove the four screws shoved below and disassemble the Cover



NOTE: the procedure showed above is the same for both the lateral covers since the fixing screws are symmetrical.

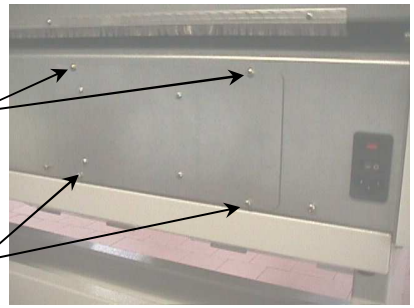
Figure 4- 2 Left/Right Cover Reamoval

REP 1.3 POWER SUPPLY COVER REMOVAL

1. Switch off the folder and unplug main power cable
2. Lift up the Support by loosing the two screws in the below slots

3. Remove the two Upper Cover Screws

4. Loose the two Lower Cover Screws



5. Lift up and pull the Cover

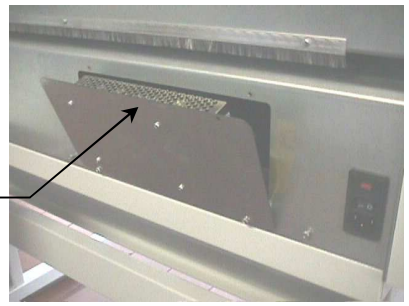
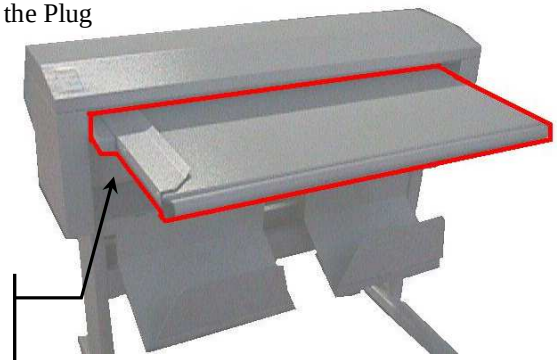


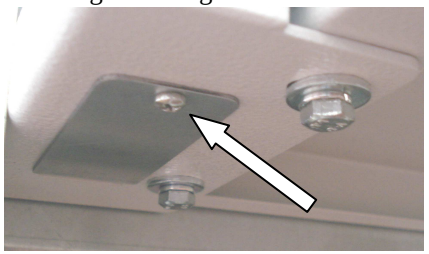
Figure 4- 3 Power Supply Cover Removal

REP 1.4 TABLE ASSEMBLY REMOVAL

1. Switch off the folder and disconnect the Plug

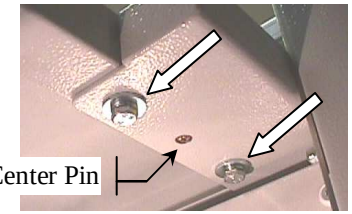


2. Remove the Plate showed below by unscrewing the fixing screw



3. Disconnect the sensor connector

4. Unscrew and remove the four bolts; extract and remove carefully the Folder Table Assembly



By installing the Table ensure to localize the Center Pin for correct table alignment.

Figure 4- 4 Table Assembly Removal

2. FOLDER ADJUSTMENTS

ADJ 1.1 Adjustment 1

Purpose
Adjust the Mobile Roller distance in the left roller side and change print stair effect or different media thickness defect as wrinkles

Adjustment

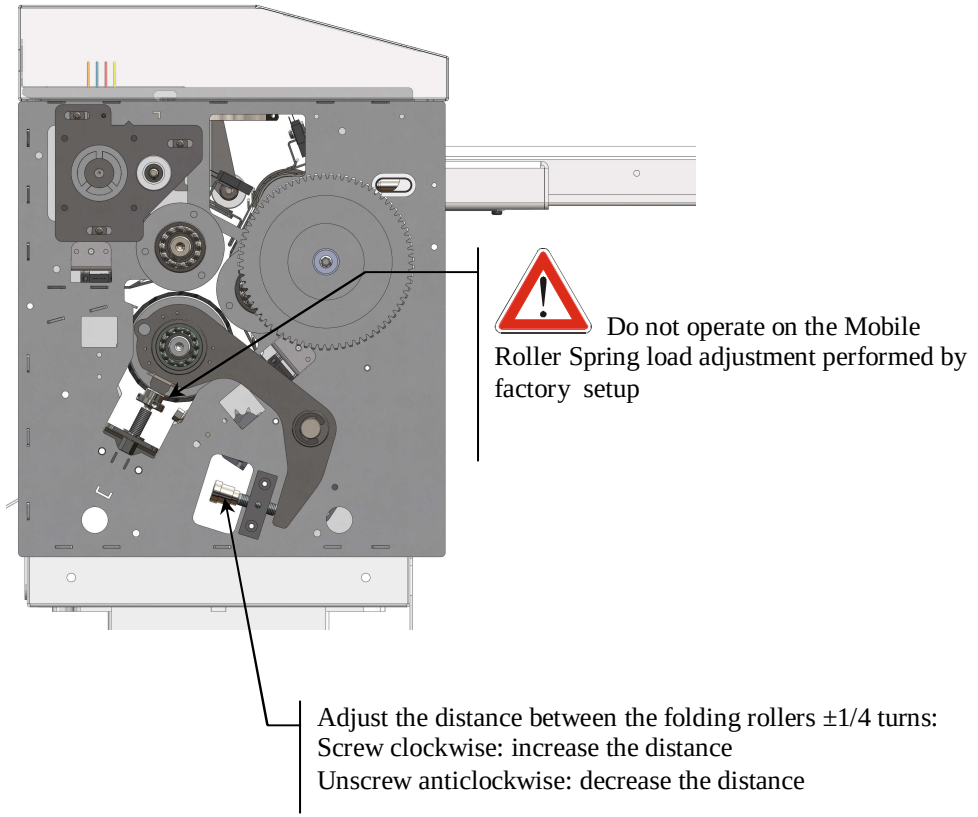


Figure 4- 5 Mobile roller left side

ADJ 1.2 Adjustment 2

Purpose
Adjust the Mobile Roller distance in the right side and change print stair effect

Adjustment

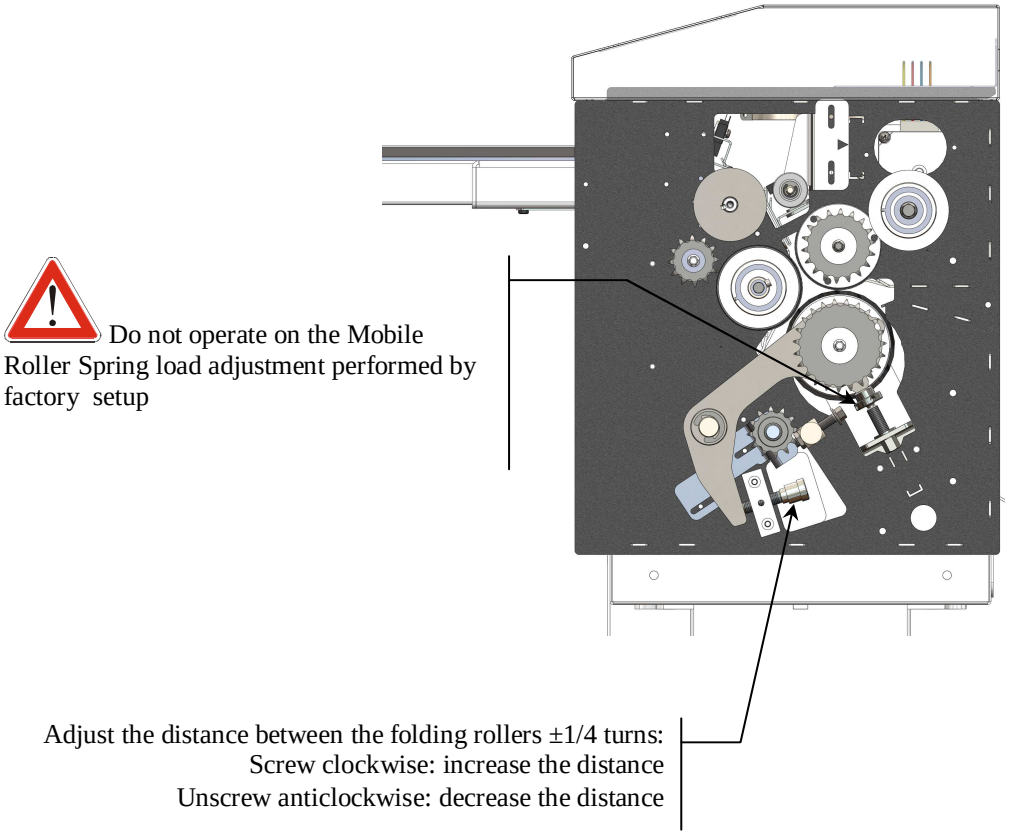
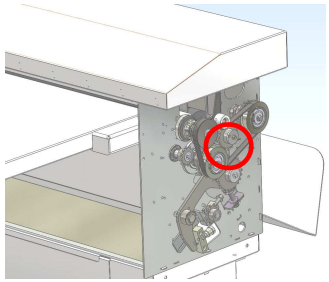


Figure 4- 6 Mobile roller right side

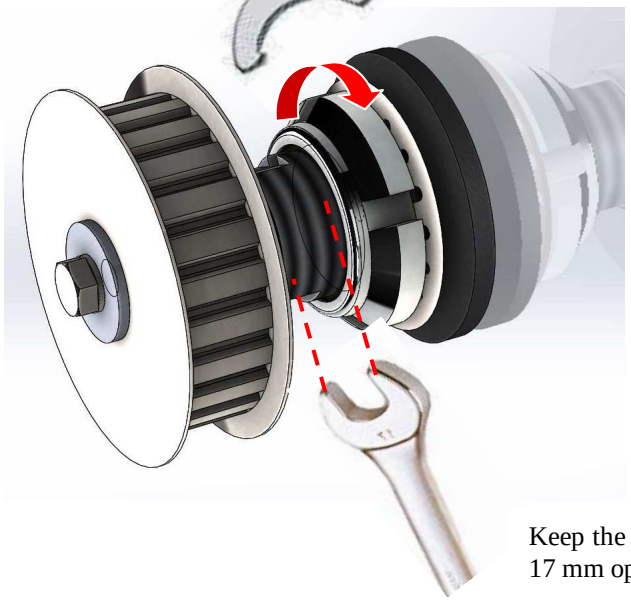
ADJ 1.3 Adjustment 3

Purpose
Harden the clutch if the 210 mm folded copy is within the tolerance

Adjustment
Perform REP 1.2 Folder Cover Removal



Using a spanner wrench type DIN 1810 A size 30-32 mm, turn clockwise the ring to harden the clutch



Keep the shaft with a 17 mm open wrench

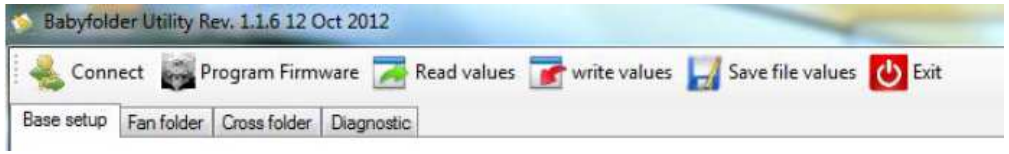
Do not turn more than a quarter turn !

3. PROGRAM ADJUSTMENT PROCEDURE

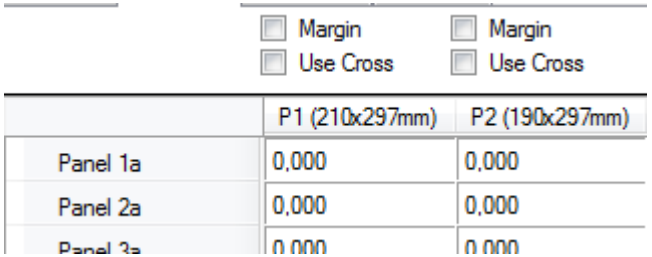
ADJ 1.1 Fan panel dimension

To adjust the fold program as 190mm, 210mm, 8.5”, 9" is required to adjust first panel according to paper thickness and curl, second panel should just 0,2mm longer of the first panel and third panel same of nominal dimension, when first 3 panels are setup it's possible to have all the even panels equal to value of the 4th and all the odds panels with value equal to the 5th

To modify the values refer to section 6, download from GERA website the application, install and use the Babyfolder Utility to read the factory setup.
When the Babyfolder Utility shows in the bottom bar the connected status enter the Fan Folder tab, the first columns display the fold program as P1.



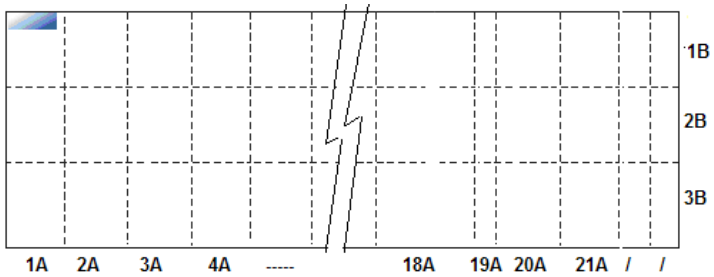
The windows displays 6 columns P1,P2,P3 steady light and P1,P2,P3 flashing light for the Fan fold process, while the Cross folder tabs shows the relative setup and 6 programs for the cross fold process.
Most values are equal to 0000 and equal to the firmware NVM default, other may have a positive or negative increment from the default performed during the factory test.



The values units is mm, it's possible to add or remove from the default 0.001mm but to see difference it's better to increment 0.2mm each time.
When is required to have the same increment to all panels, it's possible to enter the value in the bottom window. To make a fold panel shorter is required to enter a value with -, example -0.5mm.

Print a long copy length 10 times the nominal dimension: 210mm by 10 times =2100mm or 8.5" by 10 times = 85" etc.. and fold it.

Measure in the center the first panel and operate in the windows Panel 1a until it's possible to get it 0.2mm/ 0.5mm short of the nominal dimension. example if we fold 210x297mm work to get first panel average 209.mm.
Then adjust the second panel and third panels to get precisely the nominal program dimension by operating in the window Panel 2a and Panel 3a.



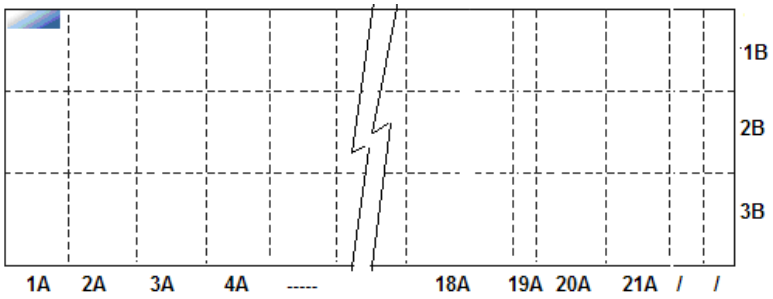
Then adjust the fourth panel and fifth panels to get precisely the nominal program dimension by operating in the window Panel 4a and Panel 5a.

Then adjust the all even panels copy the value of the fourth one and make the same on the 6th,8th,10th,12th,14th,16th, 18th

The adjust all the odds panel by copy the value of the fifth one and paste on the 7th,9th,11th,13th,15th,17th,

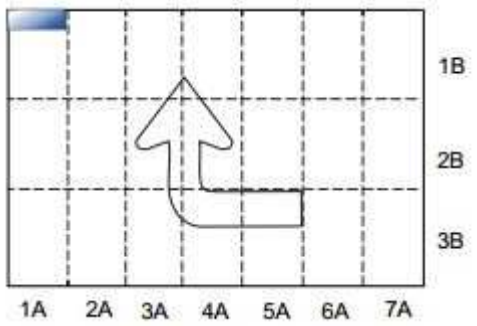
To adjust panels 19, 20 and 21 it's a bit different since the folder have to purge the previous 18 fold panels and start fold again, this enable the folder to fold long documents.
The panel 19 should measure 2 times the nominal dimension - 40mm , example 210x2=420mm-40mm= 380mm. The panel 20 should measure 40mm and the panel 21 should measure again the nominal dimension as the example 210mm.

Example of fan panels setup



Panel	Mm	Address
1A	189.6	P2 “fan folder” panel 1a
2A	190	P2 “fan folder” panel 2a
3A	190	P2 “fan folder” panel 3a
4A	190	P2“fan folder” panel 4a
5A-6A	/	All panels up to 18a
18A	340	P2“fan folder” panel 18a
1B	280	P2“cross folder” panel 1b
2B	280	P2“cross folder” panel 2b
3B	280	/

ADJ 1.2 Fan panel dimension 210

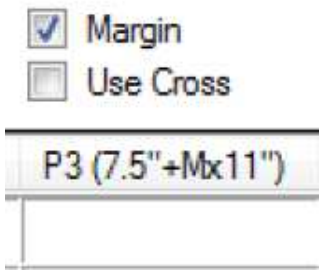


ISO A0 841X1189

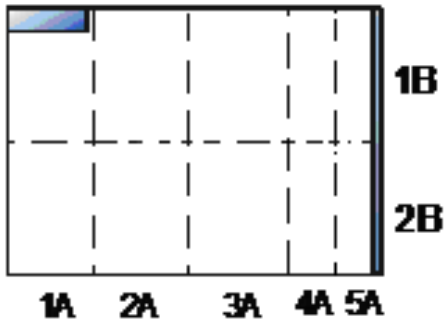
Panel	Mm	Address
1A	210	P1 “fan folder” panel 1a
2A	210	P1 “fan folder” panel 2a
3A	210	P1 “fan folder” panel 3a
4A-5A	210	P1 “fan folder” panel 4a-5a
6A	/	
1B	297	P1“cross folder” panel 1b
2B	297	P2“cross folder” panel 2b
3B	247	/

ADJ 1.3 Fan panel dimension with binding margin 0-50mm

To adjust fold programs with binding margin is required to activate the functionally by flag the box Margin. The folder is usually tested with fold program 3 P3 enabling for metric setup the fold panel dimension 190mm plus the binding margin of 20mm in order to get 210mm fold package, instead the imperial folder setup is with fold panel 7.5" and binding margin 1"



The procedure is similar to previous procedure in order to get all fold packet 190mm but the final pre fold compensation panels with 2 or 4 small panels can not be modified by the relative panels *a

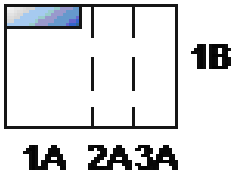


D Arch 36"x24"

Panel	Mm	Address
1A	190	P3 "fan folder" panel 1a
2A	190	P3 "fan folder" panel 2a
3A	190	P3 "fan folder" panel 3a
4A	155	The last 2 or 4 panels are not adjustable by normal procedure, do not modify if margin dimension is not correct
5A	180	
1B	280	P3 "cross folder" panel 1b
2B	220	//

C Arch 24"x18"

Panel	Mm	Address
1A	191	Program 3 "fan folder" panel 1a
2A	98	"Base setup" Margine2
3A	98	
4A	98	
5A	125	
1B	280	Program 3 "cross folder" panel 1b
2B	220	//

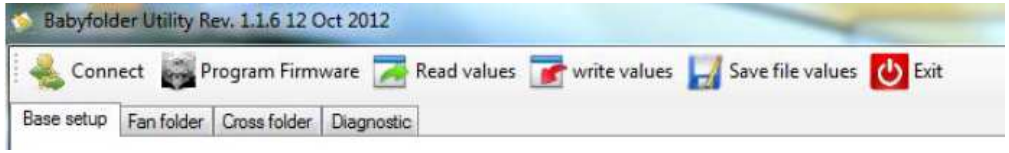


B Arch 18"x11"

Panel	Mm	Address
1A	190	Program 3 "fan folder" panel 1a
2A	100	"Base setup" S1S3
3A	130	
1B	//	//

The fold program with binding Margin is adjustable by using 4 different NVM relative to the copy length and fold style.

Select the Base setup window



In this window the folder show the factory default used by all Program with flag Margin active:

- **Margin 1** is the general address to tune the margin dimension of standard copy length A1 =841mm or D Ansi 864mm or 22" and all copy length with 2 or more panels and 1 compensation folds.
- **Margin 2** is base on value of Margin 1 and enable to adjust copy length as 1000mm with 2 or more panels and 2 compensation folds, this value is by default 0 if the Default INI is 290, this means it's possible to decrease this value of -290 step no more.
- **Margin 3** is adjusting copy length 700mm with 1 panels 2 compensation fold
- **Margin 4** is adjusting copy length 420mm with 1 panel and compensation fold

Margins values defaults:

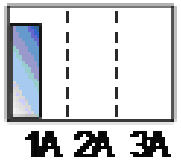
- ❑ Margin 1 default value is 1950 for 20mm margin and 2325 for 25mm=1 inch margin
- ❑ Margin 2 700mm default range290 ± 50 steps
- ❑ Margin 3 610 C arch default range 52100 ± 100 steps
- ❑ Margin 4 A3/B size default range 38200 ± 100 steps

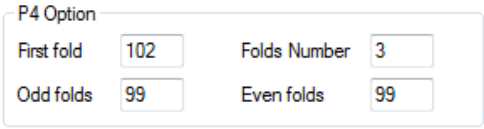
ADJ 1.4 PROGRAM P4 STEADY LED "Tri-fold"

This program does not use the sensors to measure the copy length and provide panel compensation and require a precise length according to the setup.

Feed an A4 (210x297mm) and the folder will do fold panel as NVM

Measure each panel and adjust in the box P4 option or P8 if the orange led is flashing.
Operate in the windows First fold to adj. 1a to get it 99mm for A4 or 93,2 for letter A
Then adjust the second and third panels to get precisely the program dimension by operating in the window Odds and even Panels for 2a and 3a





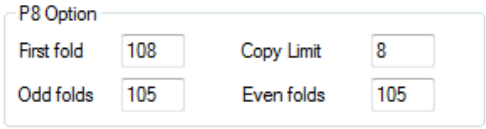
ISO A4 210mm x 297mm Ansi A 8.5" x 11"

Panel	A4 297/3 mm	A 279.6 /3 mm
1A	99	92.3
2A	99	92.3
3A	99	92.3

ADJ 1.5 PROGRAM P4 FLASHING LED "MAP –fold"

The Babyfolder Program P 4 flashing led is for map design with A1 size 594x841 fan folded 8 times in 105mm and than introduced with P3 flashing program to be cross folded 3 times in 210mm

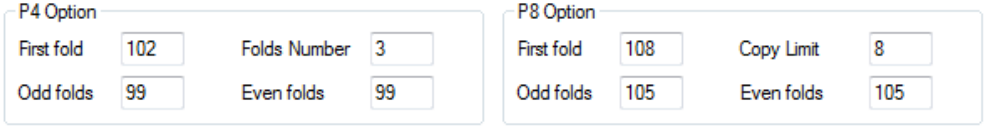
In this fold program the cycle Limit is changed from 3 to 8 times and the dimension of each panel is changed from 99mm to 105mm



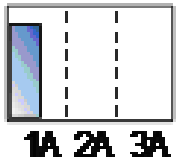
Panel	A1 841 / 8 mm	D 864 /8 mm
1A	105	108.5
2A	105	108.5
3A	105	108.5
4A-8A	105	108.5

ADJ 1.3 PROGRAM P4 LED STEADY Tri-fold

This program does not use the sensors to measure the copy length and provide panel compensation and require a precise length according to the setup.
Feed and A4 297mm or letter A size 280mm, the folder will do first panel as NVM
Measure each panel and adjust in the box P4 option or P8 if the orange led is flashing.



Operate in the windows First fold to adj. 1a to get it 99mm for A4 or 93,2 short of the nominal dimension.
Then adjust the second panel and third panels to get precisely the nominal program dimension by operating in the window Odds and even Panels for 2a and Panel 3a



Ansi A 8.5” x 11”

Panel	A4 297/3 mm	A 279.6 /3 mm
1A	99	92.3
2A	99	92.3
3A	99	92.3

ADJ 1.4 PROGRAM P4 LED FLASH MAP -fold

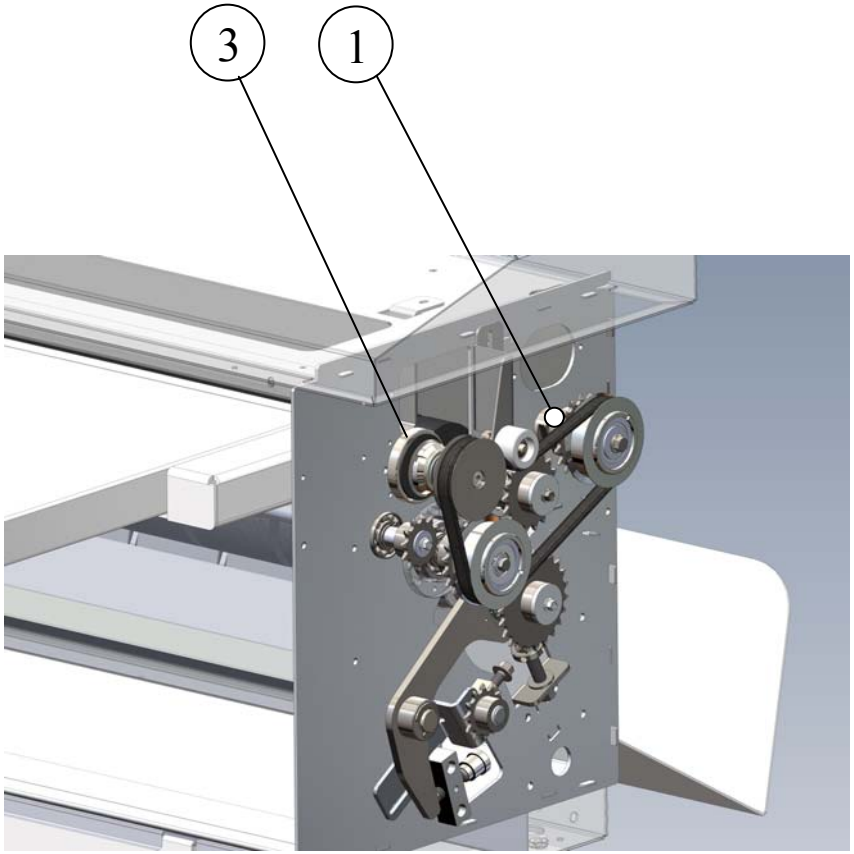
The Program 4 with led flashing the folder default setup is for map with dimension of A1 841mm wide 594mm folded 8 times 105mm in the fan folder and 4 times 210mm in the cross folder.
In this fold program the cycle Limit is changed from 3 to 8 times and the dimension of each panel is changed from 99mm to 105mm

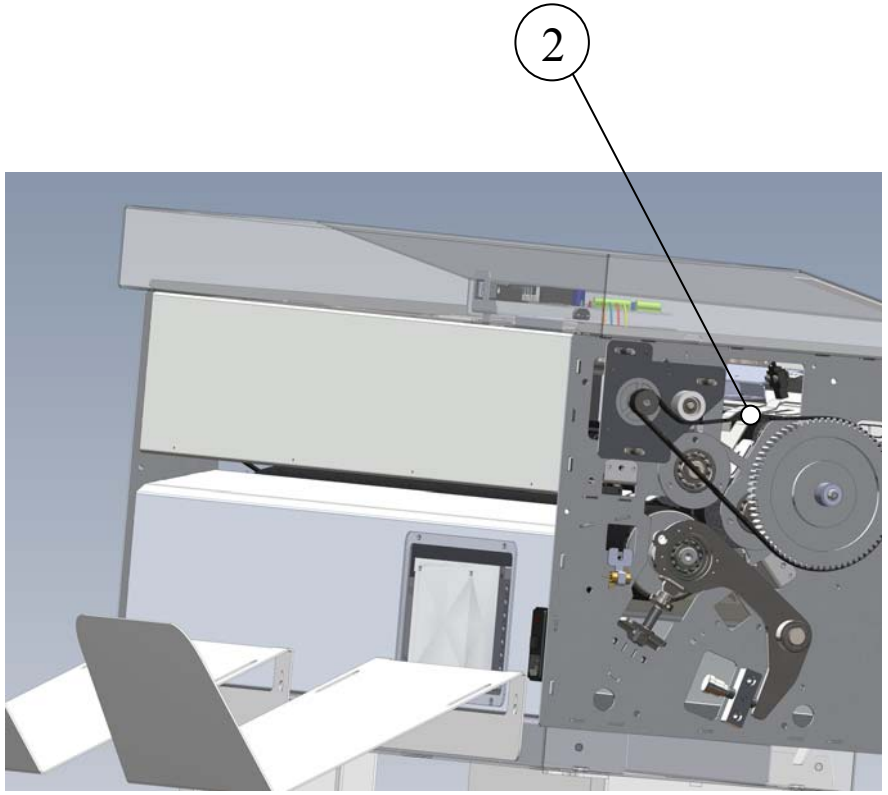
Panel	A1 841 / 8 mm	D 864 /8 mm
1A	105	108.5
2A	105	108.5
3A	105	108.5
4A	105	108.5
5A	105	108.5
6A	105	108.5
7A	105	108.5
8A	105	108.5

5. Spare Parts List

PL 0.1 BELTS

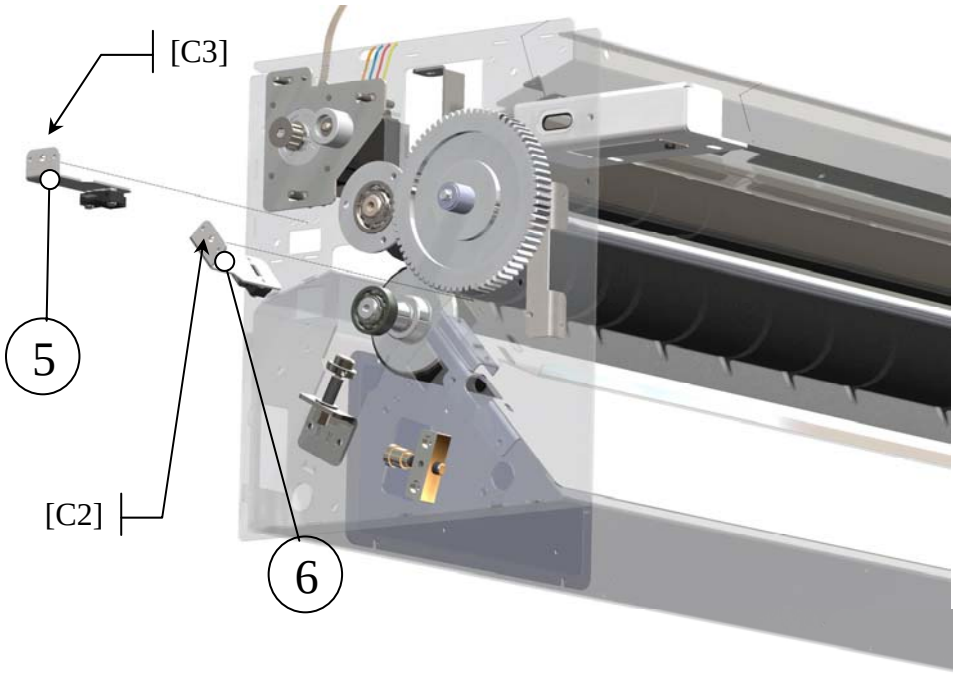
ITEM	CODE	DESCRIPTION
1	C850508X	TOOTHED BELT 180 x L037
2	C850500X	TOOTHED BELT 220 x L037
3		FRICTION ASSEMBLY

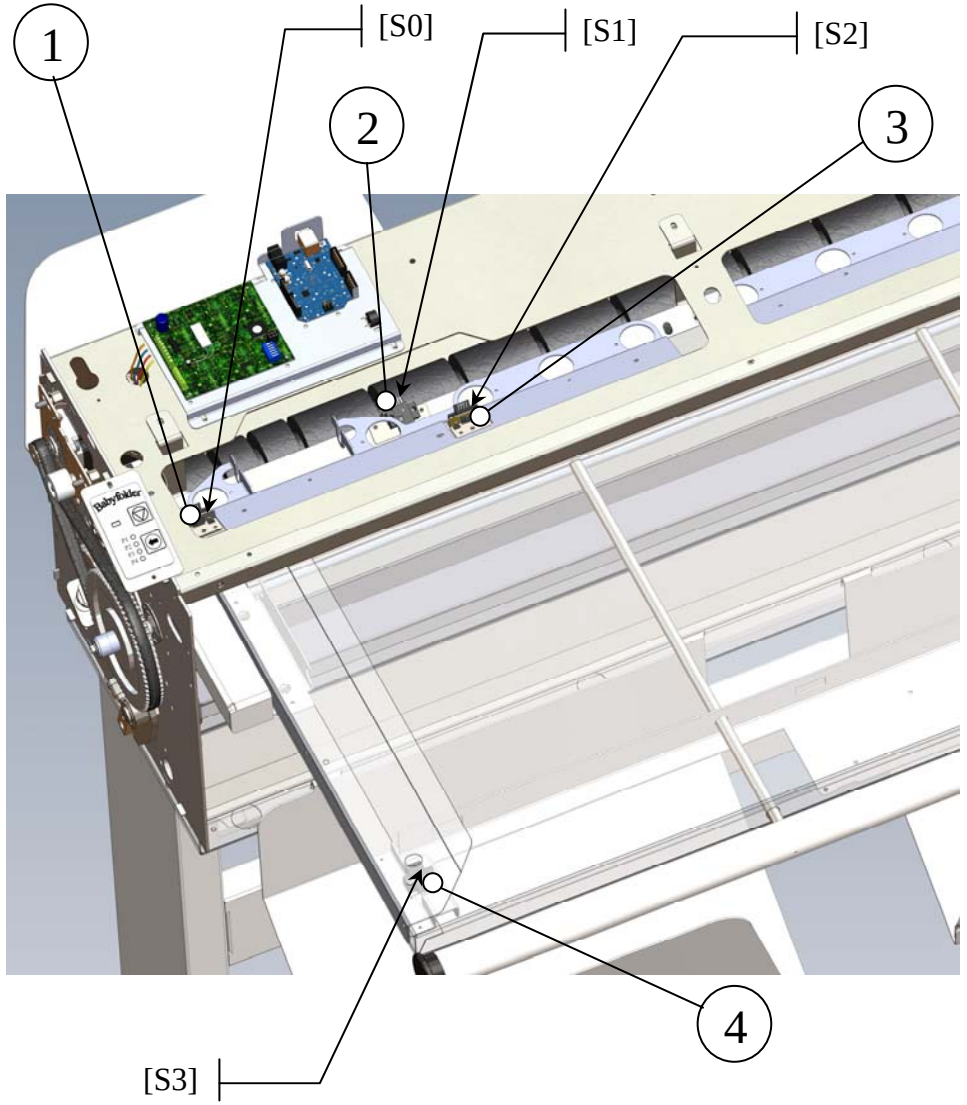




PL 0.2 SENSORS

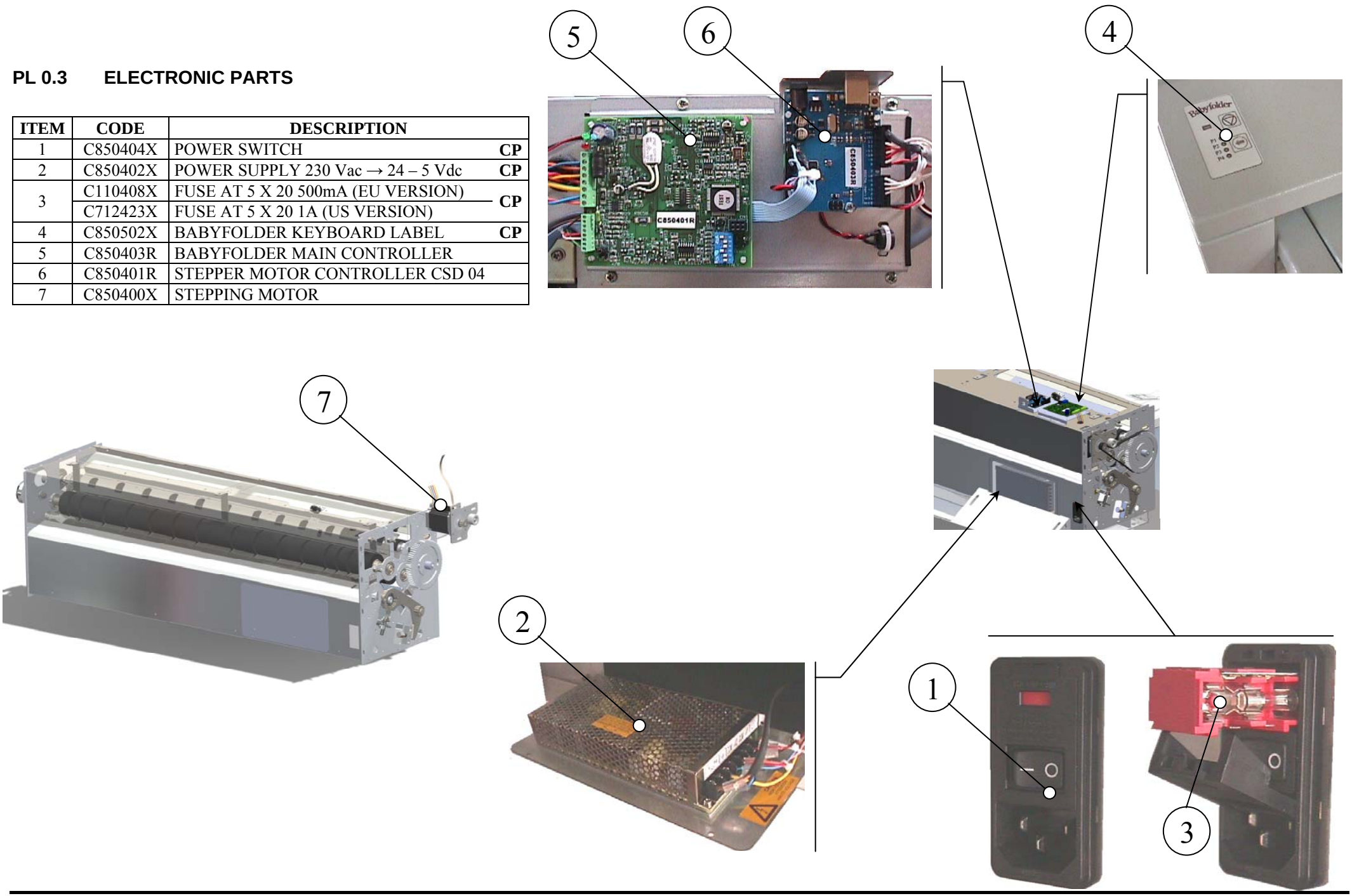
ITEM	CODE	DESCRIPTION	
1,2,3	C695412X	FRONTAL SENSOR	**CP**
4,6	C695415X	LATERAL SENSOR	**CP**
5	C850405X	SENSOR DL	**CP**





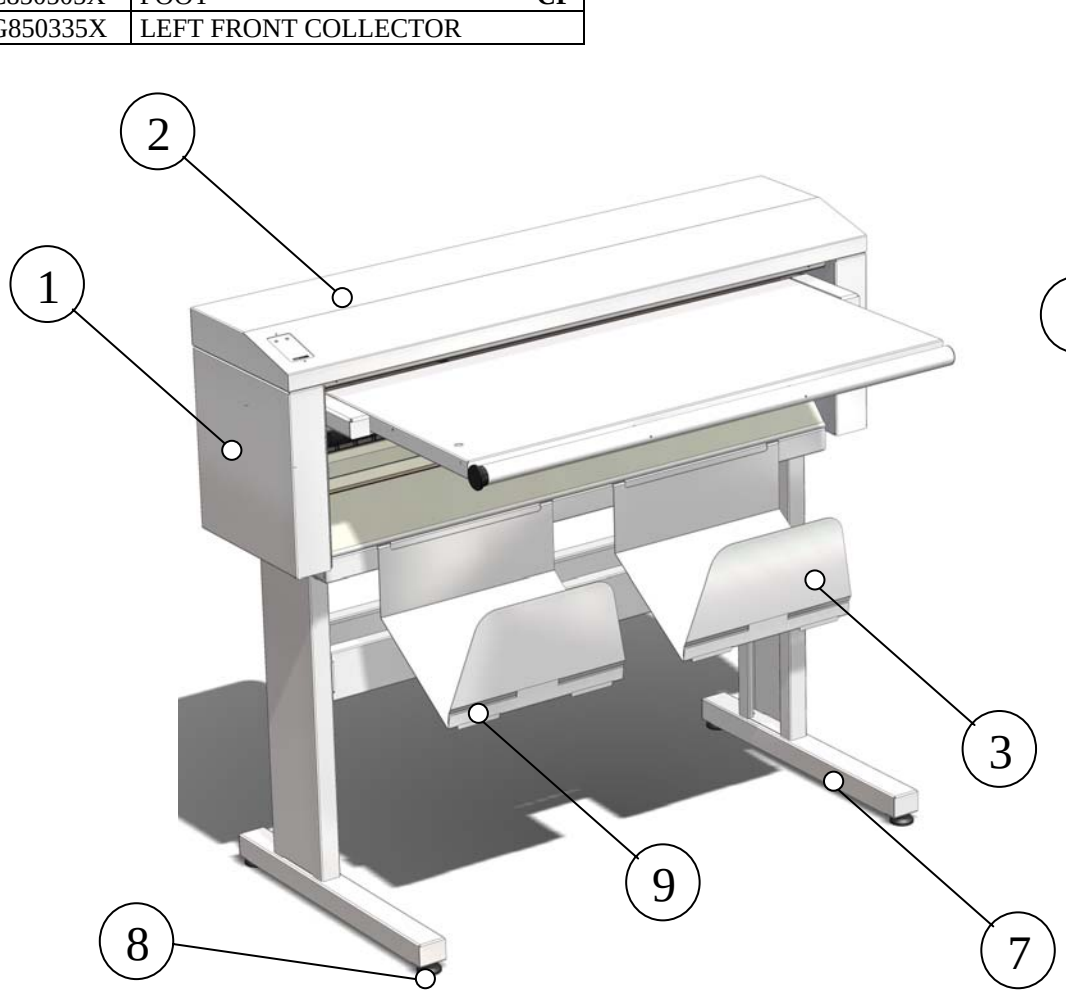
PL 0.3 ELECTRONIC PARTS

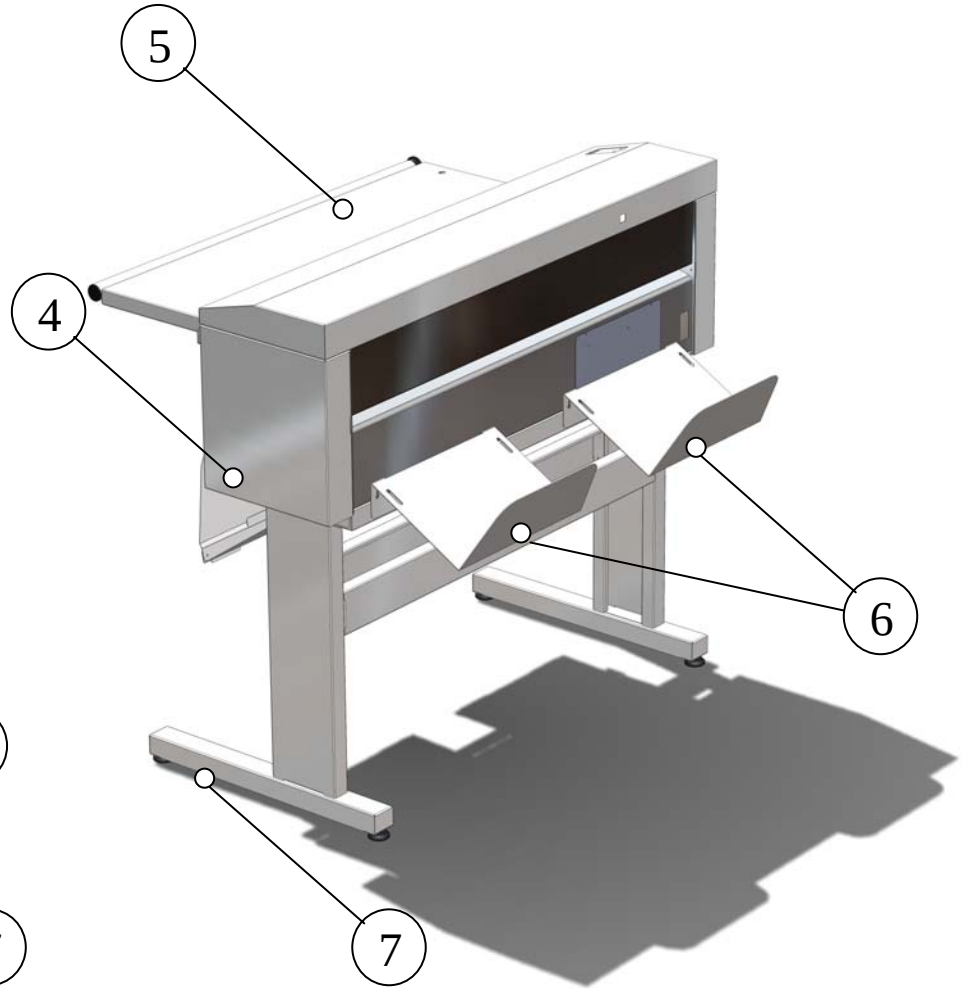
ITEM	CODE	DESCRIPTION	
1	C850404X	POWER SWITCH	**CP**
2	C850402X	POWER SUPPLY 230 Vac → 24 – 5 Vdc	**CP**
3	C110408X	FUSE AT 5 X 20 500mA (EU VERSION)	**CP**
	C712423X	FUSE AT 5 X 20 1A (US VERSION)	
4	C850502X	BABYFOLDER KEYBOARD LABEL	**CP**
5	C850403R	BABYFOLDER MAIN CONTROLLER	
6	C850401R	STEPPER MOTOR CONTROLLER CSD 04	
7	C850400X	STEPPING MOTOR	



PL 0.4 GENERAL VIEW

ITEM	CODE	DESCRIPTION
1		LEFT COVER
2		UPPER COVER
3	G850320X	RIGHT FRONT COLLECTOR
4		RIGHT COVER
5		TABLE ASSEMBLY
6	C850323X	REAR COLLECTOR
7		BABY FOLDER SUPPORT
8	C850505X	FOOT **CP**
9	G850335X	LEFT FRONT COLLECTOR





1. KITS

PL 1.1 KIT

Stand Kit

CODE	DESCRIPTION
G850325X	BABY FOLDER SUPPORT
	UPGRADE KIT FOR 5W LOAD FOR POWER SUPPLY NOISE
	UPGRADE KIT FOR SENSOR C3 SUNLIGHT HIDE
	UPGRADE KIT FOR SENSOR S0 MOVE FORWARD 2mm
G850XCPX	MAINTENANCE CARE PACK BABYFOLD SEE **CP** ON PART LIST TO RECOGNIZE ITEMS PRESENT

PICTURE INDEX

SPECIFICATIONS

Floor space Requirements

A = 30 mm / 12 ½ inches

B = 30 mm / 12 ½ inches

C = 30 mm / 12 ½ inches

D = 1000 mm / 39 ½ inches

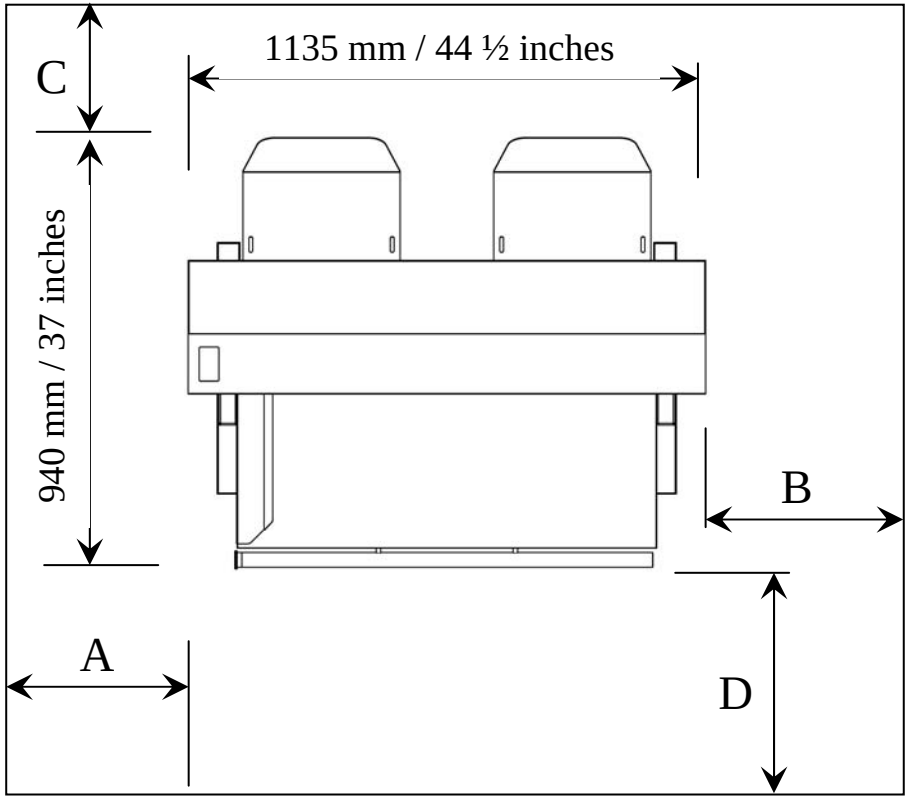


Figure 6- 1 Folder Dimensions

Technical specifications

- Voltage Requirements:
  115V-1.6A (60Hz)
  230V-0.8A (50Hz)

Audible Noise

Impulse	Average Continuous	
65-dBA max.	62-dBA max.	(run)
NEGLIGIBLE	NEGLIGIBLE	(Stand by)

Environmental
Relative Humidity: 35% to 85%
Temperature 60° to 90° Fahrenheit (15° to 32 ° Celsius)

Paper
Bond (ordinary), 60-120 g/m2

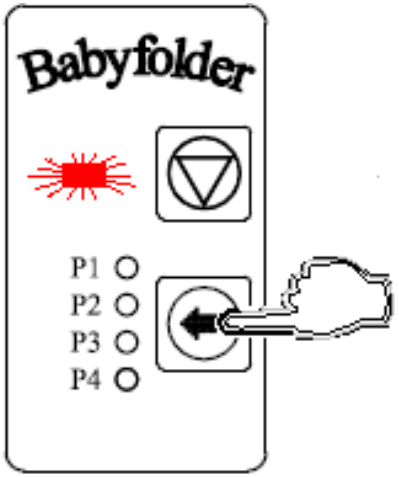
Minimum Size:
Document Width minimal: 279 mm
Document Length: minimal: 410 mm

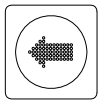
Maximum Size:
Document Width maximal: 4000 mm
Document Length maximal: 920 mm

Weight:
65 Kg (140 lb)

CONTROL PANEL

The GERA Baby Folder Control Panel contains two keys and five indicator lights. The four lower ones show the current folding program.
The folding program indicated are different according to the market the folder is intended for.

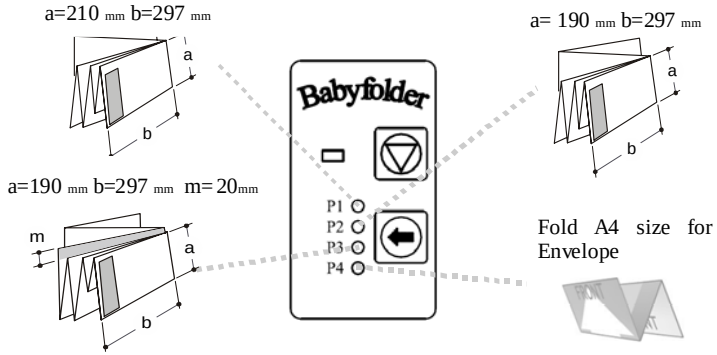




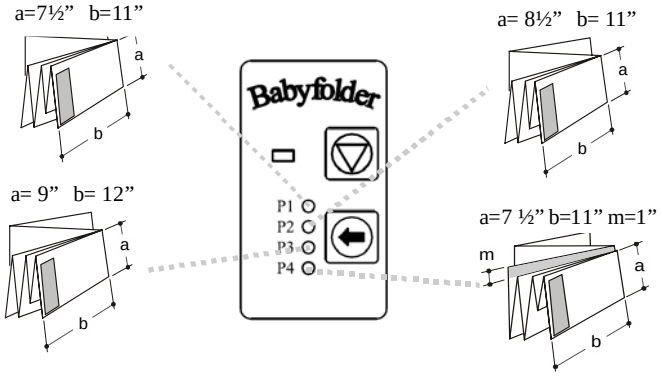
Selection Key:
- PRESS TO SELECT THE FOLD OUTPUT PACKAGE FOR PRINT INTRODUCED MANUALLY
- Press to perform Manual Eject and clear the folder jams

Reset Key
Performs RESET

Folding Programs Europe Version



Folding Programs US Version



ELECTRONIC PWB

Main Controller PWB

The Main Controller is located inside the top panel of the folder.

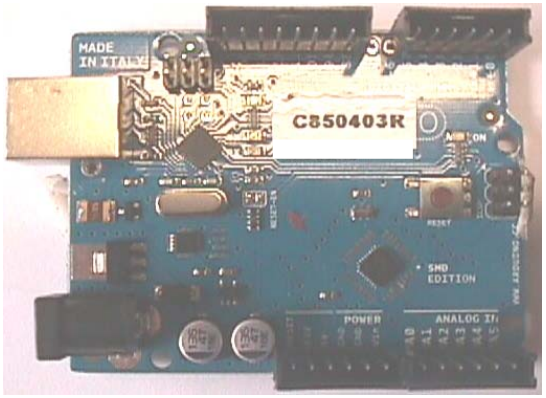
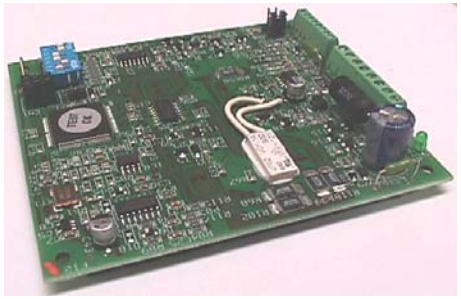


Figure 6- 2 Main Controller PWB Board

ITEM	DESCRIPTION	TYPE
J2	POWER	AMP 6x1
J3	DIGITAL	AMP 6x1
J4	DIGITAL	AMP 8x1
J5	ALOGIN	AMP 6x1

Stepper Motor Drive

The Folder is provided with a Stepper Motor Drive



GENERIC FEATURE:

Vdc nom. (V)	22 - 50
Inf. min. (A)	2.6
Inf. max. (A)	4.4
Step **I**nf.	0.25
Dimensions (mm)	92 x 85 x 23
Working Temp.	+5°C÷ +45°C

Chart Terminology Used

Vdc nom. = DC nominal value
Vac nom. = AC RMS voltage value
Iinf. = Phase nominal voltage (peak value). The voltage, can be set by the technician in four different values through DIP-SWITCHES.
Inf min and max = Minimum and maximum voltage values are set through DIP-SWITCHES
Step **I**nf = Sets voltage spacer value.

Power Supply PWB PS1

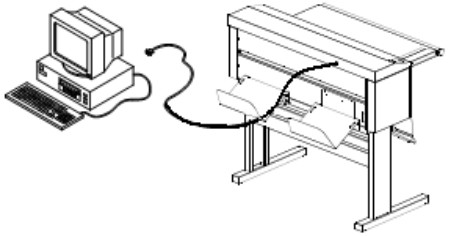
The Power Supply mounted in GERA Baby Folder PS1 distributes the power. DC 4.6A 5 VDC 4.6 A 10 W stand By Mode, 35 W Medium, 50 W max.

DIAGNOSTIC

Diagnostic funcion allows to check the working of each sigle folder component both in input test (sensors) and output test (motor, sound signal). The Diagnostic test is done through the software Baby Folder Utility; refer also to the Operative Instruction IS 850-003 Baby Folder utility Installation

Input / Output Test

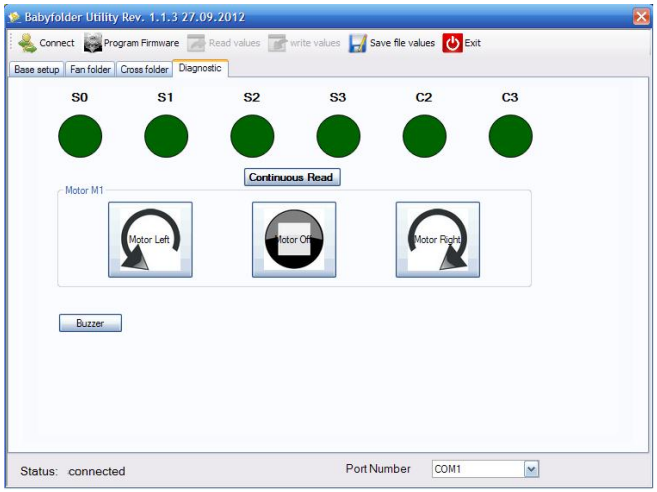
Connect the folder (that in the rear part is provided with a connector) to a Pc through a USB cable:



If the Babyfolder utility is not installed in the Pc refer to the instruction IS 850-003 otherwise run the Babyfolder utility by choosing from Menu → "start" → Programs → Baby Fold setup.

Chose the right COM Port Number then press 

and finally open "Diagnostic" section:



When a sensor is covered the corresponding green disk on the video will change color.
The Stepper Motor can be actuated both clockwise – anticlockwise or stopped by click in one of the three "Motor M1" sections.
To verify if the Buzzer works correctly press the corresponding button.

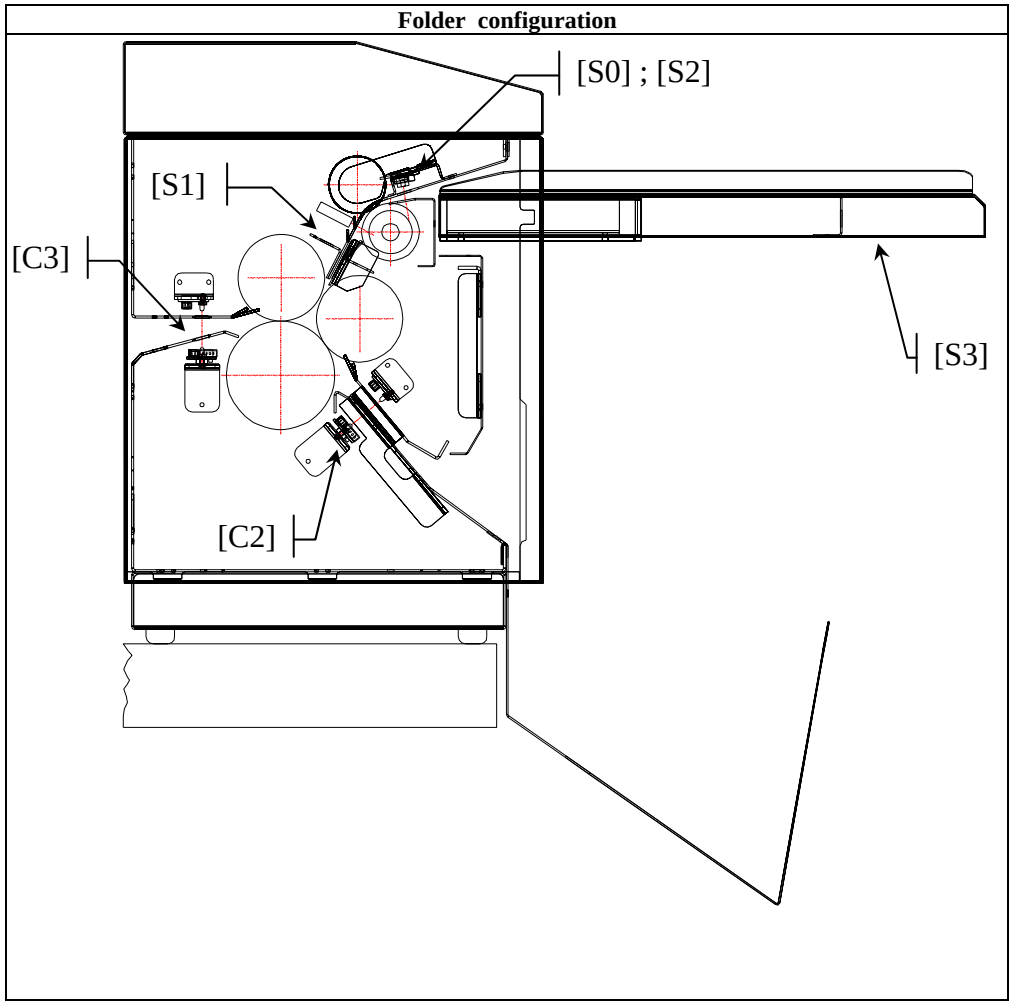


Figure 6- 3 Folder Components Layout

MAINTENANCE

The folder demands activity of cure and maintenance apt to maintain good functionality and performance.
In order to estimate which type of action is necessary to realize, it's necessary to know the linear meters proceeded by the folder and the jam's frequency , these elements will be able to give you a panorama of the activities for clean up , calibration and substitution.

Since the paper passage worn out folder parts or path is necessary to verify the expected life for rollers, antistatic brushes or paper guides.

Before the limit is reached and folder functionality may be reduced it's important to perform the maintenance activities and replace these parts near or over the estimated life

When the limit is reached the CSE needs to identify part or components worn out and perform the maintenance activities.

Here below parts are listed with description of reason and or explanation of relative folder failure

PART	REASON
Bushing	Poor shafts rotation, noise
Bearing	Poor shafts rotation, noise
Static Brushes	High paper static load, paper stick on folder guides Poor folding quality
Driving Roller	Poor print transportation, lack of pressure
Rubber rollers	Poor print transportation
Sensors	Poor print sensing, resulting in lower fold quality

Every 15000 meters folded: Maintenance activities Check & Clean

- ✓ Every 60000 meters folded: Maintenance activities Life Part Replacement

The CSE has to perform other activities every multiple of 15000 and 60000 meters folded.

The folder does not provide a folder life counter, for the operator the folder visualize the number of copies folded since the folder is switched on, this is only and informative counter, it does not generate any message or recall maintenance activity.

The identify the number of copies handled by the folder considers all the copies folded, as well all the prints manually fed and the copies or transparencies bypassed.

The folder counter is erased each time when the folder is turned off, in order to estimate the number of copies folded read the linear meters printer counter.
The folder after 15000 meter of paper folded needs operations designed for to remove paper dust that can damage or reduce the folder functionality

PART	TASK
All Sensors	Clean all the sensors from paper dust
The pressure of the Rollers	✓
Cams / bearing / bushing lubrication	✓ Check the cams and lubricate them with grease (use the type of grease you would use for bearings) ✓ Check the bushing and clean or lubricate them with light oil

Folder Adjustment

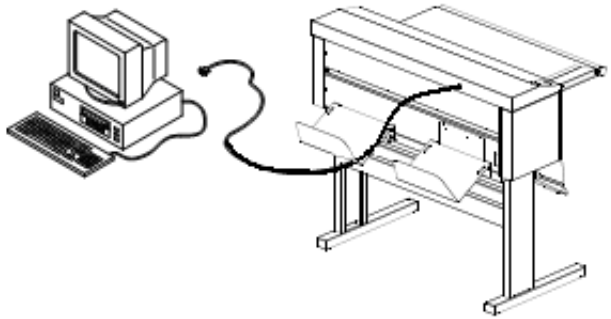
The GERA Babyolder adjustment is performed through the Utility.

Connect the folder (that in the rear part is provided with a connector) to a Pc through a USB cable.

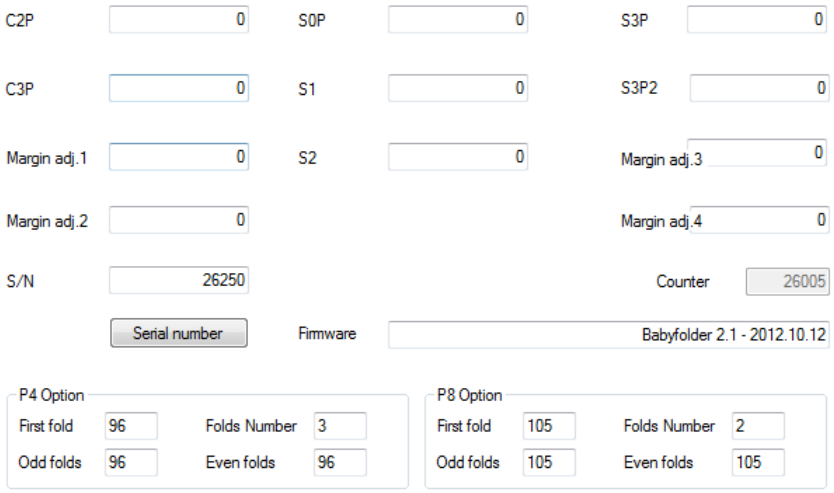
If the Babyfolder utility is not installed in the Pc refer to the instruction IS 850-003 otherwise run the Babyfolder utility by choosing from Menu → "start" → Programs → Baby Fold setup.

Chose the right COM Port Number then press 

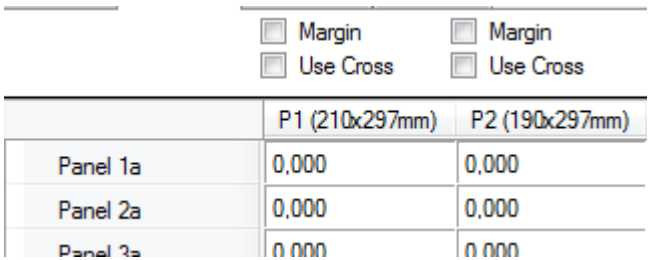
and finally open "Diagnostic" section:



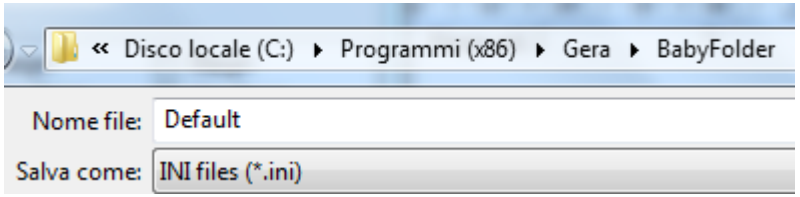
Run the application Babyfold for the start menu, press "connect" to connect your pc to the Babyfolder then press "Read Values" to retrieve from the folder the nvm saved



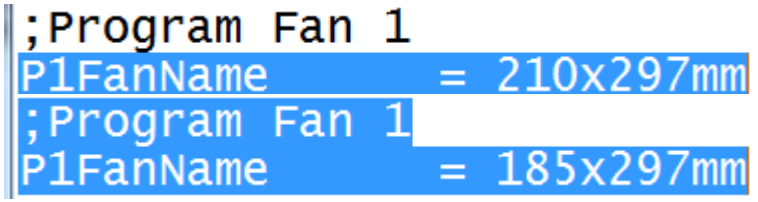
Go to Fan Panel



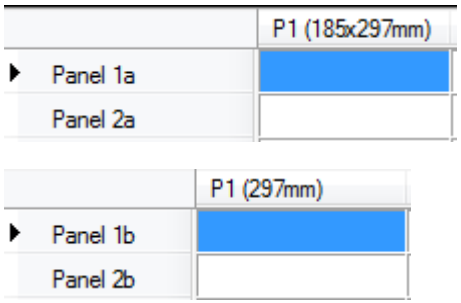
To change Program 1 label open the default ini



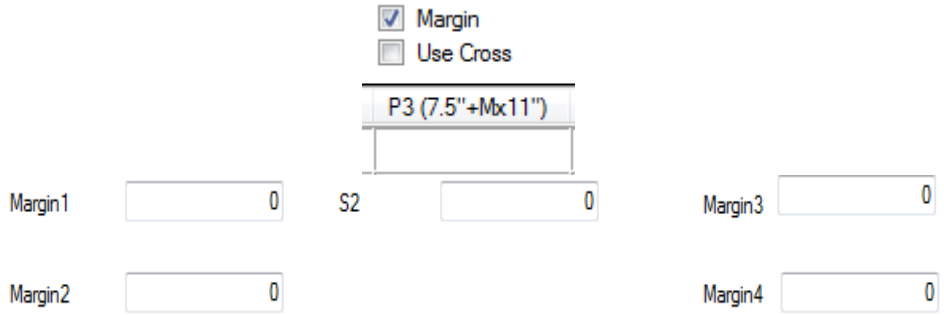
modify label



Save, close and open again utility to see label modified



The NVM save in the P1 FAN folder panel will be combined to P1 of the CROSS panels; each NVM is equal 93 steps to 1mm and NVM of all odds and even panel; to adjust for example program P3 with margin we need to activate the flag margin



The Base window show NVM for program with flag Margin flag on:

- Margin 1 for copy length with 2 or more panels and 1 compensation fold as 840mm
- Margin 2 is adjusting copy length 1000mm with 2 or more panels and 2 compensation fold
- Margin 3 is adjusting copy length 700mm with 1 panels 2 compensation fold
- Margin 4 is adjusting copy length 420mm with 1 panel and compensation fold

Margins values defaults:

- ❑ Margin 1 default value is 1950 for 20mm margin and 2325 for 25mm 1 inch margin
- ❑ Margin 2 700mm default range290 ± 50 steps
- ❑ Margin 3 610 C arch default range 52100 ± 100 steps

Margin 4 A3/B size default range 38200 ± 100 steps

INSTALLATION

A) Folder Transportation

To move the Folder with a fork lift/truck insert the forks in the pallet on the open side.

During the movement of folder with the forklift truck, please to enter the open side of the platform.
The folder must be delivered to its final destination located on the platform. The package should be inspected for damage and, if there are obvious anomalies, the machine should not be installed. This problem must be notified to those who have surrendered the person to provide for the replacement of the product.
Before installing the folder check if the floor is levelled, if the floor is covered with carpet or other.

B) Unpacking the Folder

Remove over pack, moisture barrier, wooden ramp and all the parts located around the Folder.

C) Unloading the Folder from the Pallet

If the Folder is supplied as table version put it on the table otherwise, if the Folder is supplied as stand version, assemble the support before put the Folder on it.

FOR MOVING THE FOLDER BODY ARE NECESSARY AT LEAST TWO PERSONS. DO NOT MOVE ALONE THE FOLDER.

Assemble the Support as showed in the drawing below:

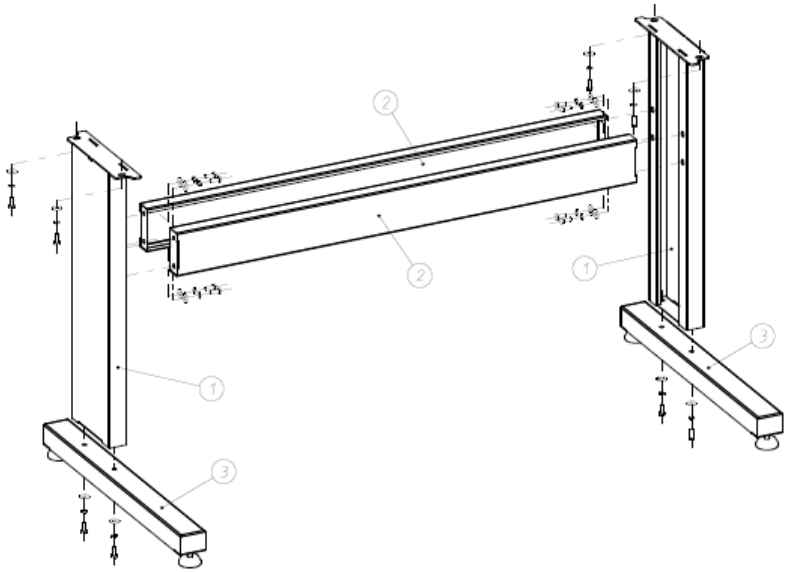
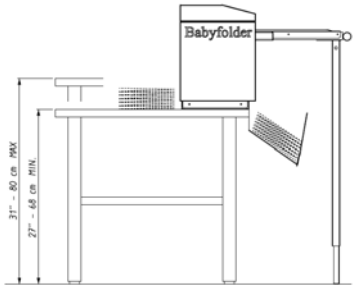


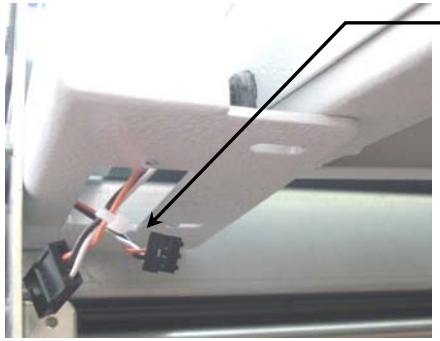
Table Version:

These spaces are necessary to access the folder from the back without having to move and lose the important alignment:

Max height: 80cm-31”
Min height: 68cm-27”



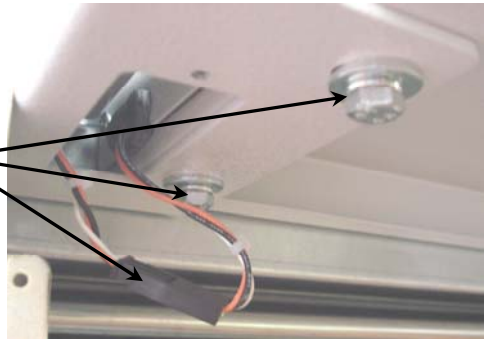
FOLDER PARTS ASSEMBLY

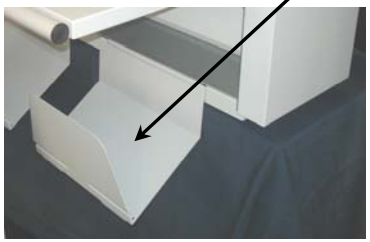


Lay the Introduction Table taking care that the connector from the table is conveyed as showed in the image.

Stand Version:

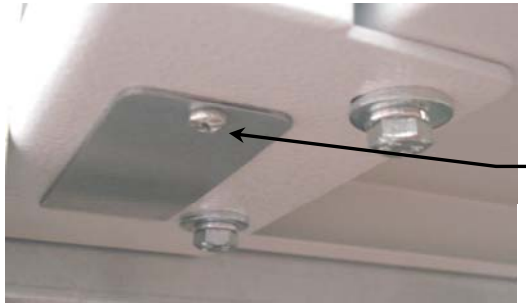
Latch the connector under the Folder Table and fix the two screws (both sides)





Place the two tray in front of the Folder.

Only in the stand version, place the other rear tray on the rear part of the Folder.

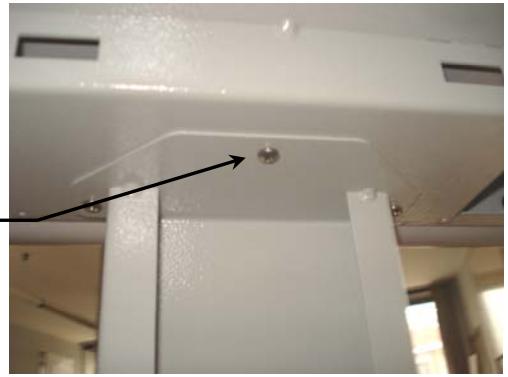


Place the cover under the Folder Table (one screw)

Once the installation is complete register the folder in order to order spare, activate warranty, contact tech support if needed.

http://www.gera.it/en/supporto-tecnico/registrazione

Fix the Folder Support Leg (one screw)
Only for the table version



Change Tag Index

Introduction

The purpose of this section is to provide a listing of the significant changes made to the Folder that changed the form, fit, function, and/or serviceability of the Folder,
A TAG number identifies all significant changes or modifications. A TAG number may be required to identify differences in diagnostic, repair, installation, or adjustment procedures. A TAG number may also be required to identify the presence of optional hardware, Firmware or if mandatory modifications have been installed.
Throughout this manual, changes are identified as (W/ Tag) With TAG or (W/O TAG) without TAG.
For example: Step 4 (W/ TAG 07): Remove the baffle. When servicing a Folder with TAG 07, you must remove the baffle. Step 4 (W/O TAG 10): Install the support arm. When servicing a Folder without TAG 10 you must install the support arm.

- Every TAG number is listed with its number:
  TAG:
- The "CLASS" specification:
  CLASS:
  That can be
  N/A: Not applicable Retrofit
  If a particular modification cannot be installed on some previous folders
  MA: Mandatory
  If the modification is necessary for many folders
  R: Repair
  If with the modification the folder must be adjusted differently
  S: Safety
  If the change made increase the folder safety
  O: Optional
  If the modification is not necessary and can be installed by CSE choice

MFG SERIAL N°:

- The serial number of the folders that mount the modification

NAME:

- The TAG name:

PURPOSE:

- The TAG Purpose:

KIT NUMBER:

- The KIT number, if the TAG parts are grouped in a KIT

REFERENCE:

- The part list with the parts that compose the TAG

TAG: 01
CLASS: O
MFG SERIAL N°: 850010123
NAME: Power Supply Resistor
PURPOSE: Avoid that the power supply transformer hum by adding 5W resistor load
KIT NUMBER: G001411X
REFERENCE: TBD

TAG: 02
CLASS: O
MFG SERIAL N°: 850010170
NAME: S0 Sensor Position Forward
PURPOSE: ensure correct fan fold process vs cross fold process.
The sensor S0 is moved forward 2mm and not aligned to sensor S1
KIT NUMBER: G003565X
REFERENCE: TBD

TAG: 03
CLASS: O
MFG SERIAL N°: 850010244
NAME: C3 sensor detection
PURPOSE: ensure correct fan fold sensor S3 operation, due to position may be affect by direct sun light beam
KIT NUMBER: G850067X
REFERENCE: TBD

TAG: 04
CLASS: O
MFG SERIAL N°: 850010372
NAME: S0 – S2 Support
PURPOSE: Sensors brackets revised for optimise the sensor reading
KIT NUMBER: C850068X
REFERENCE: TBD

TAG: 05
CLASS: O
MFG SERIAL N°: 102
NAME: Infeed Guide
PURPOSE: Entry guide plates with new design to improve the paper path and avoid big jam
KIT NUMBER: NA
REFERENCE: TBD

7. Wiring Data

1 FOLDER WIRING DATA

BSD 1.1 ELECTRICAL MAIN DIAGRAM