

Panini My Vision X Operator Manual



Advanced Solutions
for Document Processing

My Vision X

CONTENTS

- 1 *Preface*
- 2 *General*
 - 1.1 Audience
 - 1.2 Safety Precautions
 - 1.3 If the Machine is Damaged
- 2. *Learning about the Panini My Vision X*
 - 2.1 Packaging List
 - 2.2 External Parts Description
 - 2.3 Internal Parts Description
- 3. *Operating your Panini My Vision X*
 - 3.1 Document Support Installation
 - 3.2 Extension Plate Installation
 - 3.3 Power Cables Connection
 - 3.4 USB 2 Cable Connection
 - 3.5 HP C6602A Ink-Jet Cartridge Installation
 - 3.6 HP 51604A rev.B Ink-Jet Cartridge Installation
 - 3.7 Pocket Length Adjustment

4. Getting started

- 4.1 Status Lights
- 4.2 How to Prepare and Load Checks
- 4.3 Clearing Jams

5. Maintenance

- 5.1 Cleaning the Transport
- 5.2 Cleaning the Contact Image Sensors
- 5.3 Cleaning the HP C6602A Ink-Jet cartridge
- 5.4 Cleaning the HP 51604A rev.B Ink-Jet Cartridge
- 5.5 Cleaning Photocells Detector
- 5.6 Replacing the Feeder and Separator Rollers
- 5.7 Cleaning the Reading Transport Belt
- 5.8 Install the External Covers

6. Specifications

- 6.1 Technical specifications of the Panini My Vision X
- 6.2 Technical specifications of the PC

- 1 *My Vision X SD Addendum*
- 2 *My Vision X AGP Addendum*

Change/Revision History

Date	Section/Chapter	Revision/Change Description	Page/Section Affected
11/2007		No changes to this document which is a manufacturer's document	



My Vision X

Fifth Edition: July 2006 Panini Part No. HA-00093-04

© 2006 PANINI SpA Via Po, 39 10124 Torino Italy Internet: www.panini.com

PANINI NORTH AMERICA (Subsidiary) 577 Congress Park Drive Dayton, OH 45459 (USA)

This manual and the software described in it are protected under the Panini S.p.A Copyright. All rights reserved. Reproduction of this material in any form without the express written consent of Panini SpA or its subsidiaries is prohibited. PANINI SpA PROVIDES THIS MANUAL "AS IS" WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. PANINI SpA MAY MAKE IMPROVEMENTS AND OR CHANGES IN THE PRODUCT(S) AND OR THE PROGRAM(S) DESCRIBED IN THIS MANUAL AT ANY TIME AND WITHOUT NOTICE. This manual could contain technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of this publication.



Advanced Solutions
for Document Processing

My Vision X

Trademark Acknowledgement

PANINI logo, My Vision X, Vision API, ICR Vision and MICR Plus are trademarks or registered trademarks of Panini SpA.

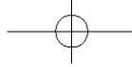
The mark **CE** affixed to the product certifies that the product satisfies the basic quality requirements.



The Panini My Vision X is also UL 950 compliant:

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

© 2006 PANINI S.p.A., ALL RIGHTS RESERVED



My Vision X

Proper Disposal of WEEE

FOR COUNTRIES IN THE EUROPEAN UNION (EU)

The European Commission of the European Union has determined that electrical and electronic equipment on the market today contain parts and components that may be properly reused or recycled to reduce quantities of materials ultimately disposed in landfills and other disposal arenas. To address this determination, waste electrical and electronic equipment (WEEE) should not be collected or disposed with unsorted waste from private households or businesses. Rather, it must be collected separately. Offenders will be subjected to the penalties and measures laid down by the law. To that end, Panini products are appropriately marked with the European Union WEEE Directive's crossed-out dustbin symbol to indicate:

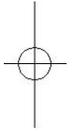
- the requirement for separate collection of electrical and electronic equipment put on the market after August 13, 2005.
- Panini guarantees the activation of the treatment, collection, recycling and disposal procedures in accordance with the directive 2003/108/CE (and subsequent amendments).

To dispose of our devices correctly:

- Contact the Local Authorities, who will give you the practical information you need and the instructions for handling the waste correctly, for example: location and times of the waste collection centres, etc.
- When you purchase a new device of ours, give a used device similar to the one purchased to our distributor for disposal.

FOR OTHER COUNTRIES (NOT IN THE EU)

The treatment, collection, recycling and disposal of electric and electronic devices will be carried out in accordance with the laws in force in the country in question.



My Vision X

O. Preface

Here is an overview of the manual layout:

Chapter 1: “General” introduces you to all the general information regarding the manual or the Panini My Vision X.

Chapter 2: “Learning about Panini My Vision X” introduces you to all the major components of your machine.

Chapter 3: “Operating your Panini My Vision X” describes simple installation procedures.

Chapter 4: “Getting started” explains how to operate the My Vision X.

Chapter 5: “Maintenance” describes how to solve problems that you may encounter using this machine.

Chapter 6: “Specifications” lists the main functions of the My Vision X and the features of the PC.



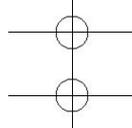
My Vision X

1. General

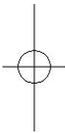
Congratulations on your selection of the Panini My Vision X! The Panini My Vision X is a new generation of check scanners. With a small footprint, sleek design and quiet operation, the Panini My Vision X fits perfectly in a small area such as a teller window, or on the back counter of bank branches.

The Panini My Vision X incorporates the latest, state-of-the-art technology and the latest standards for check processing in the market place.

A unique, patent-pending 3-mode feeder can be found in the Panini My Vision X, allowing for single item feeding, up to 30 items batch feeding with single hand insertion (in this case it is always possible to insert documents with one hand only) or up to 100 items batch insertion by manually moving the pressure plate. Options with limited feeder capacity are also available to cover specific customer needs. MICR reading technology available with the Panini My Vision X is comparable to the larger and faster reader sorter, thanks to the Panini MICR Plus™ technology. Taking advantage of the most up to date technology, the Panini My Vision X connects to computers via USB 2.0 interface, allowing for fast data transfer at no additional cost. A rear Ink-Jet endorser can also be found on the Panini My Vision X. The Panini Vision API is standard on the My Vision X, guaranteeing easy and reliable software integration. Finally, the Panini My Vision X has been designed specifically to allow for entire track accessibility, including scanner area, for easy intervention and for maintenance purposes.



My Vision X



1.1 Audience

This manual is written primarily for personnel who process checks or other documents.

1.2 Safety Precautions

Before you begin operating or servicing your My Vision X as instructed in this manual, please make sure

you read and understand these important safety instructions.

Dress safely. Do not wear loose clothing, long hair or jewelry that can become entangled in moving parts.

Do not allow anything to rest on the power cord. Do not locate the My Vision X where people may walk on the cord.

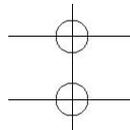
Always unplug the My Vision X before cleaning.

Do not attempt to service or repair the My Vision X, except as instructed elsewhere in this manual.

Attempting to service or repair the external power supply of the My Vision X may expose you to dangerous voltage points or other risks.

Refer all servicing to qualified service personnel.

OPERATOR MANUAL Page 9 General



Advanced Solutions
for Document Processing

My Vision X

1.3 If the Machine is Damaged

Unplug the My Vision X from the wall outlet and refer servicing to qualified personnel under the following conditions:

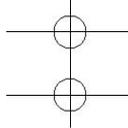
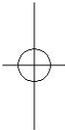
- If the power cord is damaged or frayed.
- If liquid has been spilled into the product.

- If the equipment has been exposed to rain or water.
- If the equipment does not operate normally when the operating instructions are followed.
- If the equipment has been dropped or damaged.
- If the equipment exhibits a distinct change in performance, indicating a need for service.

Adjust only those controls and replace only those items that are covered by the instructions in this manual.

If you attempt to make adjustments not covered in this manual, you may damage the equipment and void the warranty.

Unauthorized adjustments or repairs may result in the need for extensive work by a qualified technician to return the equipment to its proper working condition.

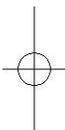


My Vision X

2. Learning About the Panini My Vision X

The Panini My Vision X is a compact, easy-to-use and quiet scanner. The Panini My Vision X automatically scans the front and/or rear of checks while simultaneously capturing the Magnetic Ink Character Recognition (MICR) code line. An optional Ink-Jet endorser prints alphanumeric characters on the rear of items. Any of the Windows standard fonts can be used for printing endorsements. The Panini My Vision X is connected to a PC via a USB2.0 interface.

2.1 Packaging List



The Panini My Vision X package includes: ^{1 2 3 4}

- Operator Manual (1)
- Accessories box (2)*
- Panini My Vision X scanner unit (3)
- Power cable (4)

(*) The accessories box contains:

- Feeder Extension
- Extension plate
- Ink-Jet Cartridge HP C6602A
(Panini P/N: CA-00138-00)
- Ink-Jet Plastic Lever (adapter for HP 51604A cartridge)
- USB 2 Cable
- Power Supply
- #1 Feeder Ring, #1 Front Separator Ring, #1 Rear Separator Ring

Fig.1

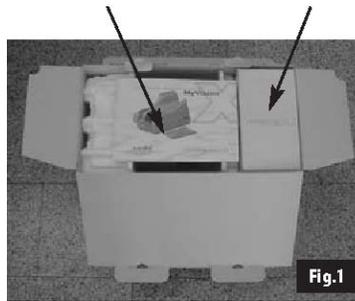
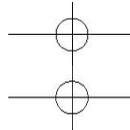
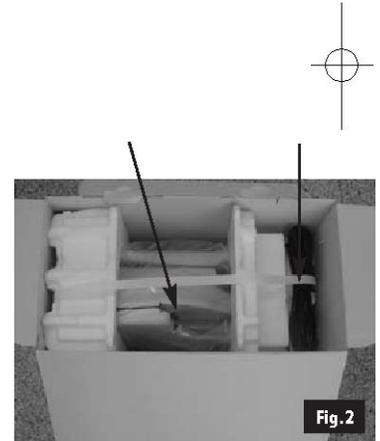


Fig.2



Advanced Solutions
for Document Processing

My Vision X

Removing the Panini My Vision X from the Packaging

- 1 Remove the Accessories box, the operator manual and the power cable out of the packaging.
- 2 Holding the packaging down with one hand, lift the My Vision X together with the packing materials

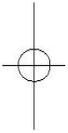
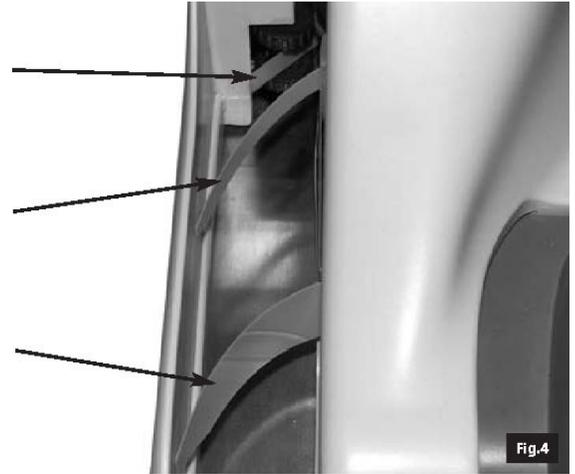
Plastic handle making use of the plastic handle (Fig.3).

C

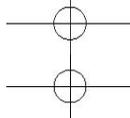


B

A



- Attention:
- Don't use the plastic handle to carry the My Vision X from one place to another. Use it only to extract the device from its packaging.
 - During unpackaging, do not remove or pull the Mylar blades A, B and C (see Fig.4).

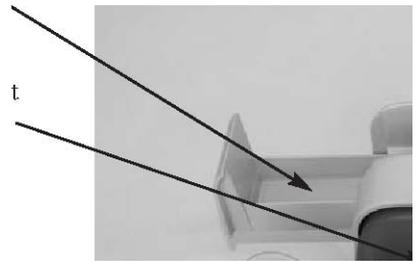
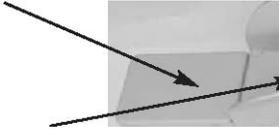


This section describes the major components of the Panini My Vision X. The component names introduced here and shown in the figures are used throughout this manual.

Pocket Extension

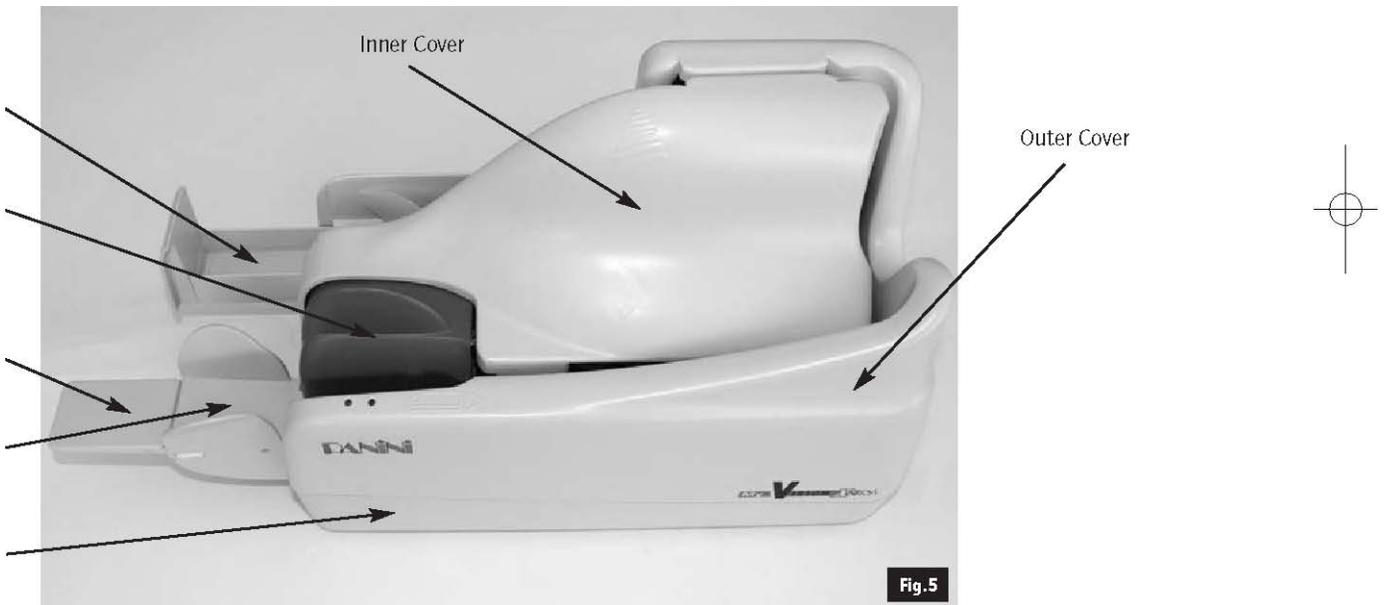
Document Pressure Plate

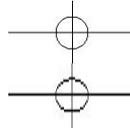
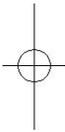
Extension Plate



Feeder Extension

Bottom Cover

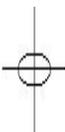


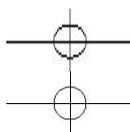
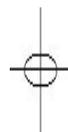
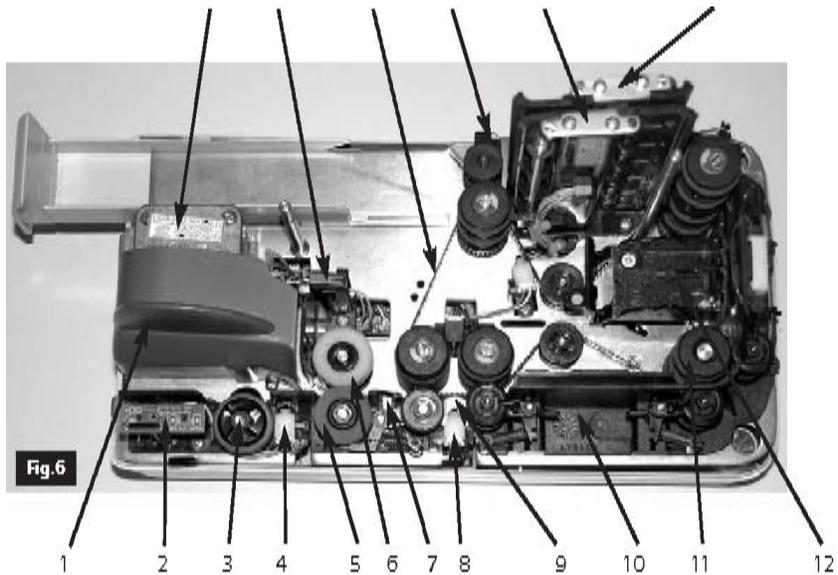


My Vision X

2.3 Internal Parts Description

1	Document Pressure Plate	18	17	16	15	14	13
2	LED and interlock board						
3	Feeder Roller						
4	Feeder Sensor						
5	Separator Roller						
6	Rear Separator Roller						
7	Pre-magnetization Head						
8	Synchronization Sensor						
9	MICR Reading Head						
10	"U" Track Wall						
11	Transport Rollers						
12	Ink-Jet Cartridge Cradle						
13	Front Image Camera						
14	Rear Image Camera						
15	Pocket sensor						
16	Transport Belt						
17	Interlock Board						
18	Feeder Motor						

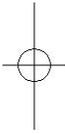




3. Operating your Panini My Vision X

3.1 Document Support Installation

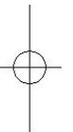
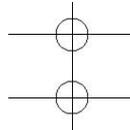
Insert the Feeder Extension in the slot uncovered by pushing back the Document Pressure Plate. Installation is correct if the Feeder Extension is at the same level of the entrance of the scanner platform.



Feeder Extension

Document Pressure Plate

Slot

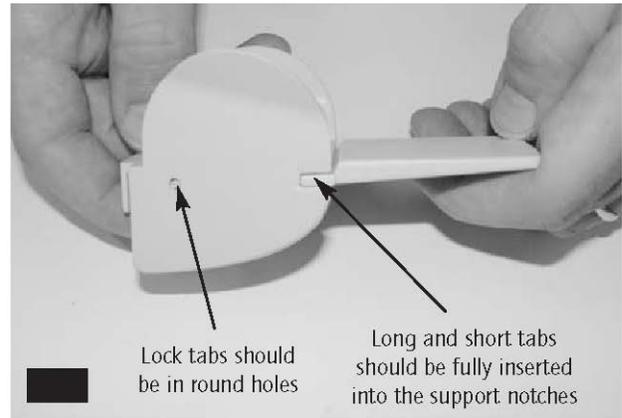
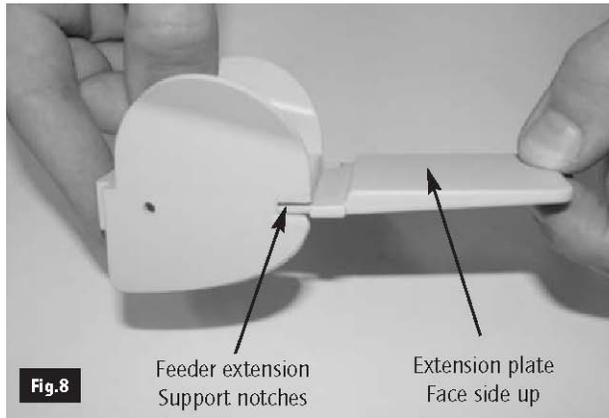


Advanced Solutions
for Document Processing

My Vision X

3.2 Extension Plate Installation

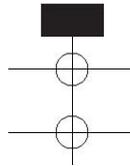
The feeder extension is designed to support all documents anticipated to be processed by the My Vision X. Markets or applications that process a large number of long documents (longer than 8 inches) may find it necessary to apply the optional extension plate for better document support, reducing the risk of image skewing, MICR rejects, etc. Assembly is made by sliding the extension plate, face side up, along the bottom side of the feeder extension into the support notches until the plate snaps into place (Fig.8). The lock tabs should securely fit into the round holes and the short and long tabs should be fully inserted into the support notches (Fig.9).



To remove, firmly grip the feeder extension and the extension plate and pull apart.



Fig.8

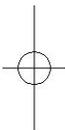


My Vision X

3.3 Power Cable Connection

Before connecting the scanner to your PC, make sure to locate the unit on a flat surface near the PC, away from direct light and from electromagnetic equipment.

- 1 Plug the power cord connector in the Power Supply socket (Fig.10).
- 2 Plug the Power Supply cable in the My Vision X power connector (Fig.11).



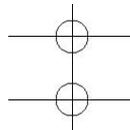
- Warning:
- The electromagnetic emission from a CRT monitor can produce interference and affect the MICR reading; therefore place the My Vision X as far as possible from the CRT.
 - Only use the power supply provided in the Panini My Vision X packaging. Using other power supplies could damage the unit.



3. The My Vision X should be plugged into a dedicated electrical power outlet. The power supply will be 100-240 VAC (no power selection required), and the frequency 50/60 Hz. If you are not sure of the type of power available, consult your Service Representative or local power company.

Note: There is no LED power indication upon connecting the My Vision X. LED status indicators only illuminate when the application connects to the My Vision X unit. See section 4.1.

OPERATORMANUAL Page 17 Operating your Panini My Vision X

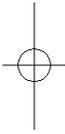


Advanced Solutions
for Document Processing

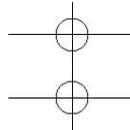
My Vision X

3.4 USB 2 Cable Connection

Connect the USB 2 cable to the USB 2.0 port located on the rear side of the scanner, then connect the other end of the cable to an available USB 2.0 port on the PC.



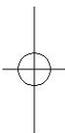
USB 2 cable



My Vision X

3.5 HP C6602A Ink-Jet Cartridge Installation

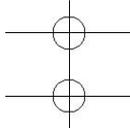
Remove the inner cover (*see section 5.1 for details*). Take a new Ink-Jet cartridge out from its package. Do not touch the ink with your fingers or clothing: it will stain. Angle the front side of the cartridge downwards and face the two pins with the two holes in the cradle. Gently push down the rear side of the cartridge until it snaps in the plastic retainer.



Plastic retainer



Cartridge cradle



My Vision X

3.6 HP 51604A rev.B Ink-Jet Cartridge Installation

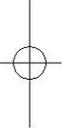
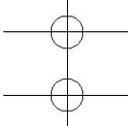
Remove the inner cover (see section 5.1 for details). Take the additional plastic lever from the packaging, install it on the left side of the cartridge cradle and pull it down. Take a new Ink-Jet cartridge out from its package. Do not touch the ink with your fingers or clothing: it will stain. Gently insert the Ink-Jet cartridge against the holder and pull up the plastic lever to lock the cartridge in place.



Ink-Jet cartridge HP 51604A rev B PANINI
P/N: BA-00037-01

Additional Plastic Lever

Cartridge cradle



My Vision X

3.7 Pocket Length Adjustment

Adjust the pocket length by inserting the longest document that will be processed in the pocket. Move the pocket extension left or right until a space of 5 mm (1/4") is available between the leading edge of the document and the end of the pocket extension.

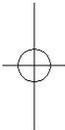
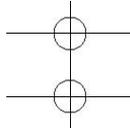


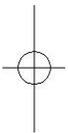


Fig.15



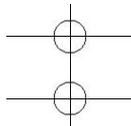
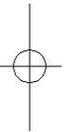
Advanced Solutions
for Document Processing

My Vision X



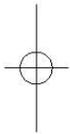
- 1 Turn on the PC.
- 2 Start the My Vision X application (see note).
- 3 Follow the My Vision X application instructions.
- 4 Load your checks.

Note: An application must be started before you begin to process documents. When the application starts, the My Vision X turns on which is indicated by the green led in the outer cover. If it is your job to start the application, refer to the documentation supplied with the application by the vendor. Normally, the My Vision X will automatically go on-line when the control application starts, and goes offline when the control application shuts down. If you want to force the reader to go offline even when the application is on, press the rear button switch for at least one second; at this point, the motor will briefly buzz and the green LED will turn off. To put the reader back on-line (only if the application is still running), press the button switch again for at least one second; the motors will briefly buzz and the green LED will turn on. Normally, this operation is allowed only when the My Vision X is idle and will be ignored if the reader is working. Pressing the button switch when the green LED is off will have no effect.



4.1 Status Lights

Two status lights located near the feeder indicate the status of the unit. The following table describes the meaning of each status light.

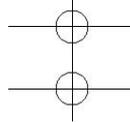


Red LED	Green LED	Description
Off	Off	The My Vision X is offline
Off	On	The My Vision X is online and the feeder is empty
Off	Blinking	The My Vision X is online and the feeder contains documents ready to feed
On	Off	Interlock switches are activated and an external plastic cover is removed
Blinking	Off	Jam on the transport track



Fig.16

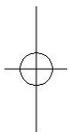
Note: There is no LED power indication upon connecting the My Vision X. LED status indicators only illuminate when the application connects to the My Vision X unit.



4.2 How to Prepare and Load Checks

Preparing Documents for Processing

- 1 Remove all rubber bands, staples, paper clips, dog ears, etc. from the documents.
- 2 Jogging the documents is strongly recommended. In any case, align the bottom edges by repeatedly tapping the bottom edge of the documents on a hard, flat surface, see Fig.17.
- 3 Repeatedly tap the leading edge of the documents on a hard, flat surface, see Fig.18.
- 4 Check bottom and leading edges once more to ensure documents are aligned.



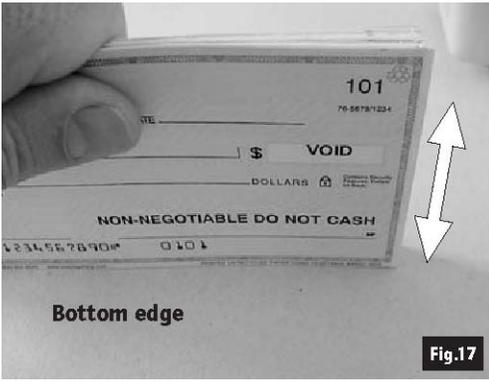


Fig.17

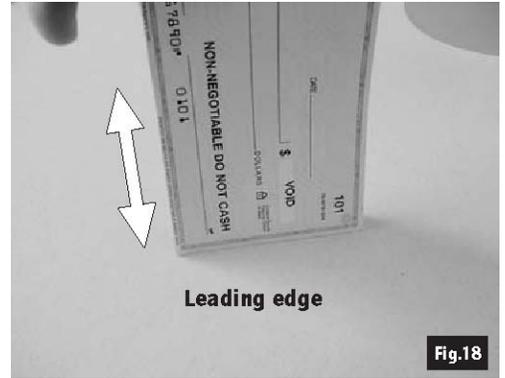
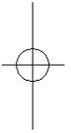
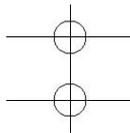


Fig.18



Tip: Use a mechanical jogger device for faster and more accurate alignment of bottom and leading edges.

OPERATOR MANUAL Page 24 Getting Started



Advanced Solutions
for Document Processing

My Vision X

Feeding Documents

You may feed documents one at a time or in batches of up to 30 by inserting the documents all the way into the feeder. (Fig.19).The documents must be inserted into the feeder so that the leading edge fits between the two black lines shown in Fig.20.

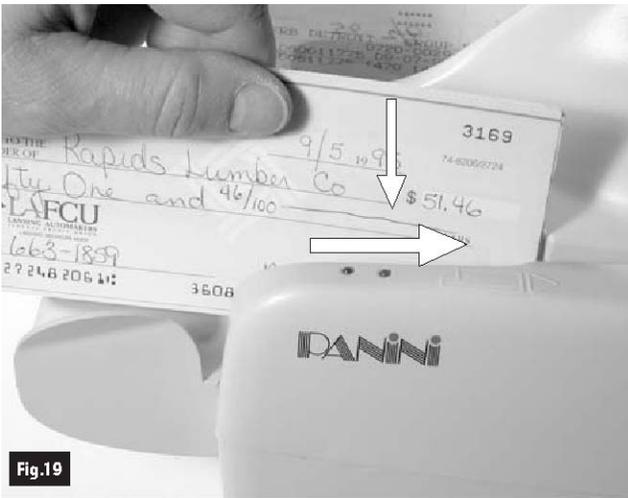
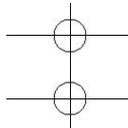


Fig.19



Do not insert the checks past the rollers.



**Advanced Solutions
for Document Processing**

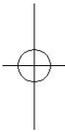
Batches greater than 30 to 100 checks require the pressure plate be pushed back before inserting checks into the feeder. To prevent misfeeding, do not insert more than 100 documents into the feeder. Leave at least 2 mm (1/8") between the last document and the pressure plate in the maximum backwards position. The leading edges of the documents should be aligned as described in the previous page.

Document Feeder Options

My Vision X



Fig.21



Document Feeder Options

Depending on the configuration ordered, two feeder types are available:

1. *Standard Feeder Option:*

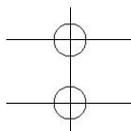
Designed for single document automatic insertion.

Holds up to 30 documents for automatic batch one hand insertion (without moving the pressure plate).

Holding up to 100 documents by pushing back the pressure plate before inserting checks into the feeder.

2. *Limited Feeder Option:* Causes the automatic document feeding operation to stop, followed by a system warning message, after 30 consecutive documents have been processed, according to the ordered configuration. The feeder sensor must then be cleared by removing the documents from the feeder and then repositioning and restarting the application. All other features are the same as the standard feeder.

Note: This option is reset if the feeder is emptied before the 30 document limit is met for the 30 documents limited feeder.

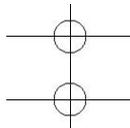
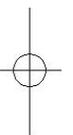




Advanced Solutions
for Document Processing

My Vision X

The feeder is designed so that checks can be loaded continuously, while the scanner is processing. This can be done by inserting checks behind those already present in the feeder.



Removing Documents from Pocket

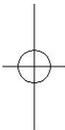
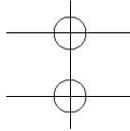
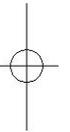
Processed documents are sent to the exit pocket. For

best result, follow these recommendations:

Remove the documents when the pocket is nearly full. Jams occur when the pocket is too full. No “pocket-full” sensor is available.

Occasionally verify that the endorsements are clearly printed.

Occasionally verify that the images are being properly captured and that the image quality is good.

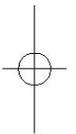
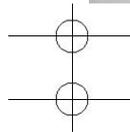
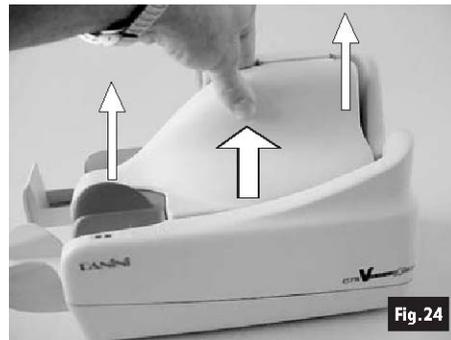
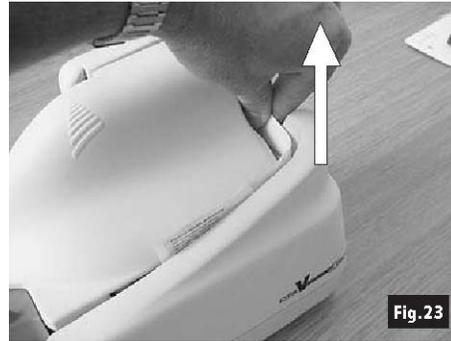


4.3 Clearing Jams

When a jam occurs, the paper path must be cleared. To do this, first remove all the documents from the exit pocket and then free the track by pressing Eject in your application. In case of unsuccessful

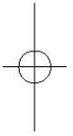
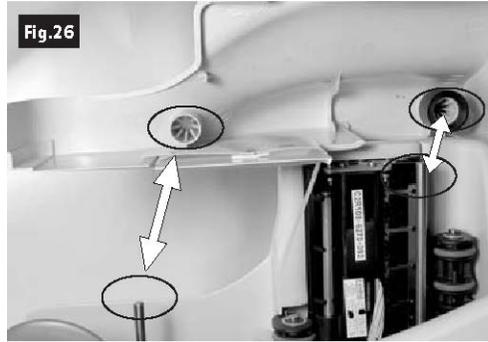
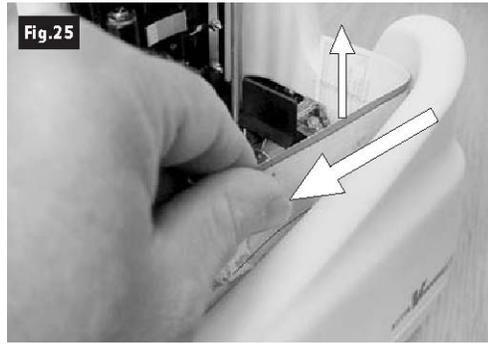
operation, apply the following suggestions:

- 1 Extract the jammed document simply by pulling it out with your fingers (see Fig.23).
- 2 If the document does not pull out , lift the inner cover at the point indicated by the ribbed surface as shown in Fig.24.
- 3 Grab the document with your fingers to remove it from the transport. (See Fig.25).
- 4 After the jam is removed, install the inner cover by following the instructions below:

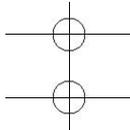


Advanced Solutions
for Document Processing

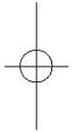
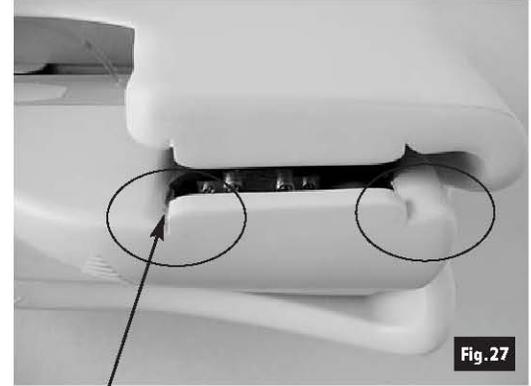
My Vision X



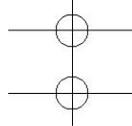
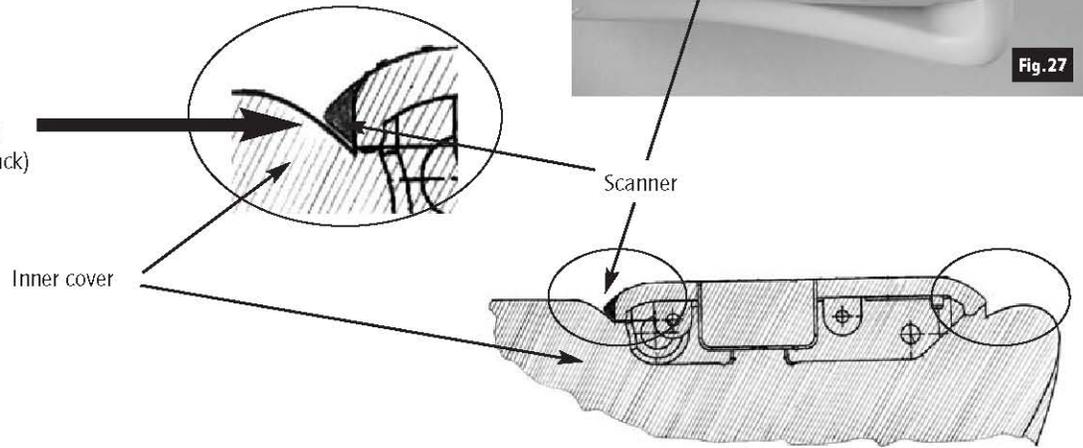
- a. Open the pocket extension.
- b. Insert the two reference shafts in the corresponding housings found in the inner cover (See Fig.26).
- d. Check the exit pocket to ensure that the two plastic springs are aligned properly as shown in Fig.28.

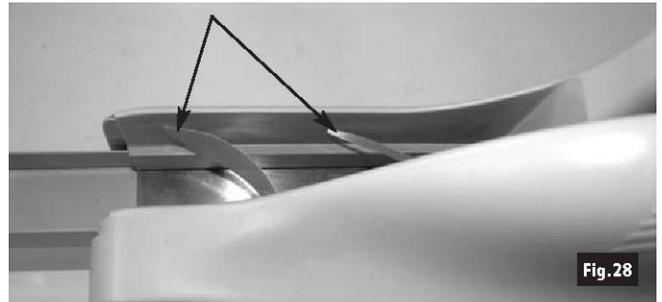


- c. Push down the inner cover until it is back to its original position. Take care to ensure that the inner cover stays behind the scanner, which is indicated by a black area (see Fig.27).

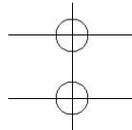


The inner cover (grid) must be inserted behind the scanner (black)





- 1 In the event that the outer cover has to be removed, first disconnect the USB and power cables and then lift the outer cover as shown in Fig.29.
- 2 To remove the "U" track wall see Fig.30. Please follow the instructions listed in chapter 5.1.2.
- 3 If the jam occurs in the image camera area, it is advisable to open the front image camera (see Fig.31) so that the document can easily be removed.



Advanced Solutions
for Document Processing

My Vision X

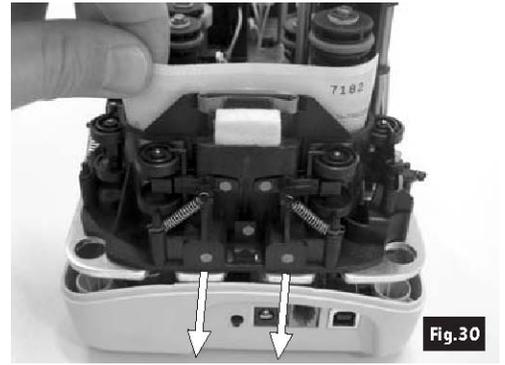


Fig.30



Close the image camera carefully. Don't allow the spring to snap it closed.

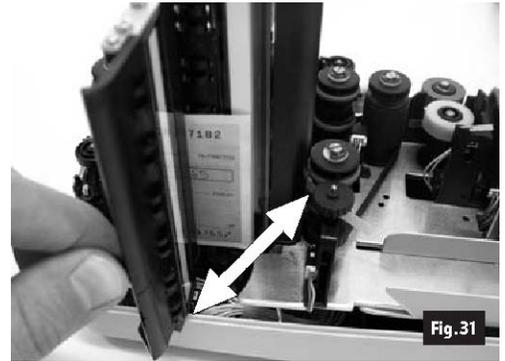
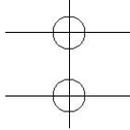


Fig.31



Advanced Solutions
for Document Processing

My Vision X

- 1 Insert the outer cover by aligning the two shafts with the holes in the bottom cover of the unit (Fig.32). Insert the two teeth located on each side of the outer cover in the bottom cover and lock it (Fig.33 and 34).
- 2 Reconnect the USB and power cables.

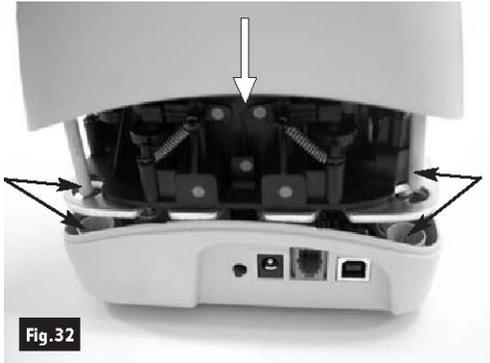


Fig.32

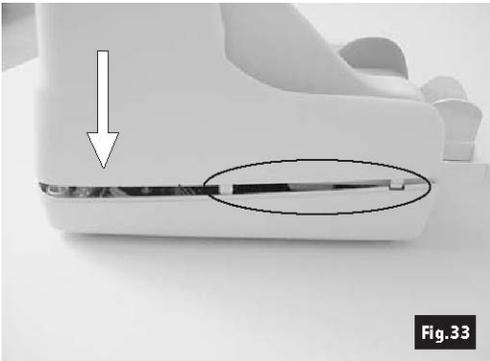
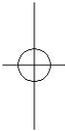


Fig.33

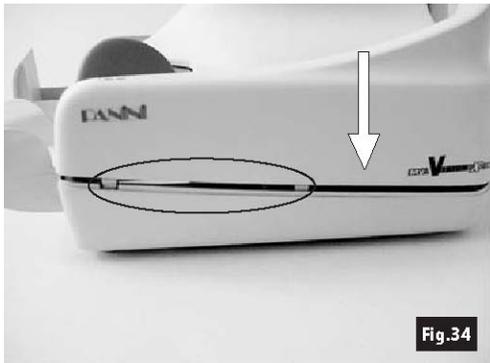
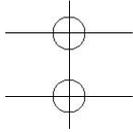


Fig.34

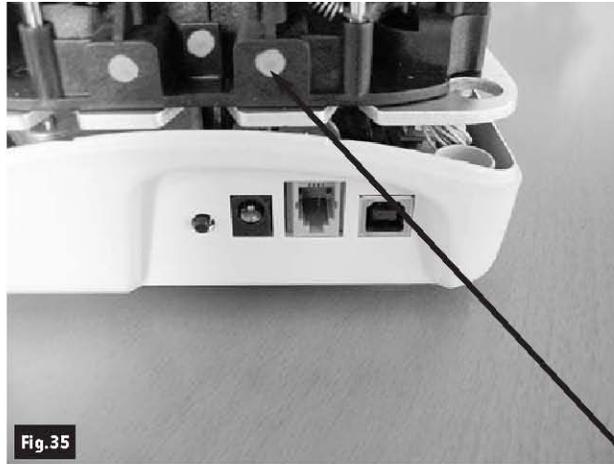
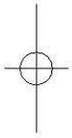


My Vision X

5. Maintenance

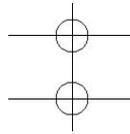
Warning: Before doing maintenance, remember to disconnect the USB 2 and power cables from the device.

Note: The parts accessible to the operator for cleaning or jam removal are identifiable by green stickers.



Green stickers

OPERATOR MANUAL Page 35 Maintenance



Advanced Solutions
for Document Processing

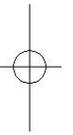
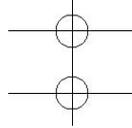
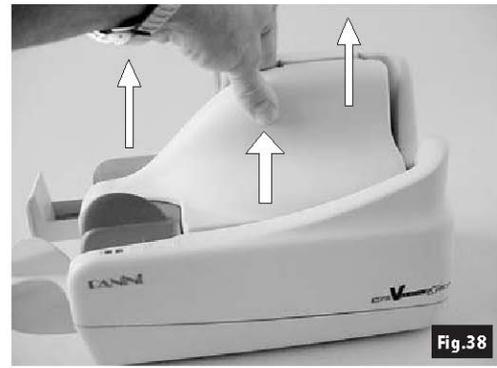
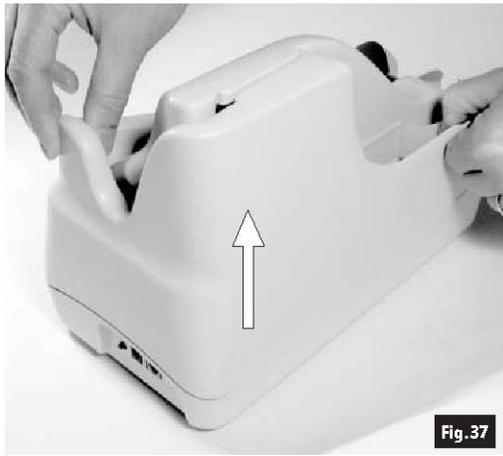
My Vision X

5.1 Cleaning the Transport

Dust, lint and small particles can get into the track area. Clean this area as follows:

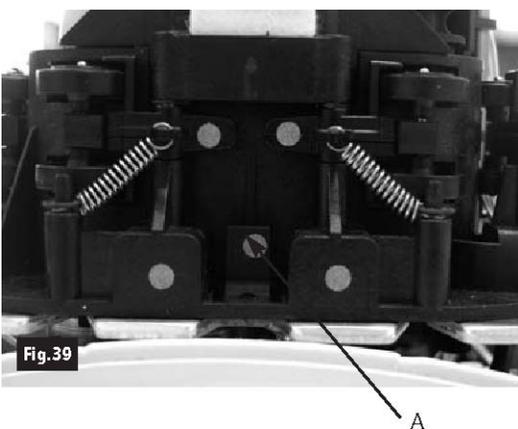
- 1 Remove the inner and outer covers by pulling up on the covers as illustrated below.
- 2 To remove the U-track, pull back on lever (A) away from unit (Fig.39). The Fig.40 shows how to pull the lever and remove the U-track.
- 3 Inspect and clean the entire track area from beginning to end.
- 4 Remove staples, paper clips, rubber bands, and pieces of paper that may have accumulated during use.
- 5 Using a container of canned air and nozzle, spray the track area and check entrance.
- 6 To reinstall the U-track insert the two teeth "C" in the rail "D" (Fig.44), and align the U-track (Fig.41). Push back the U-track (Fig.45) until the lever "E" (Fig.41) locks the unit in place. Make sure that the pin "B" (Fig.43) is inserted in the receptacle "A" (Fig.42).

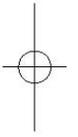
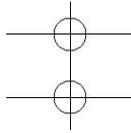
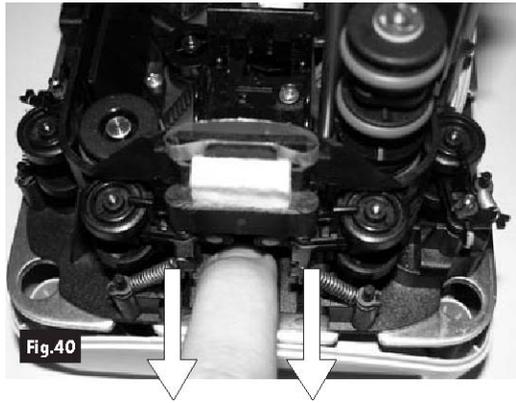




DANINI®
Advanced Solutions
for Document Processing

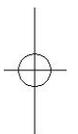
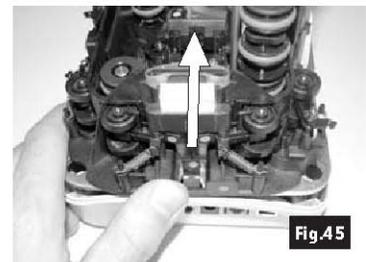
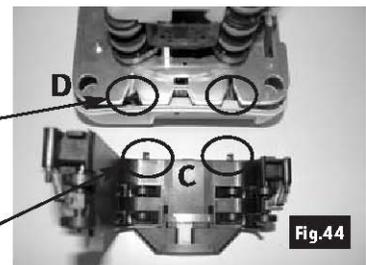
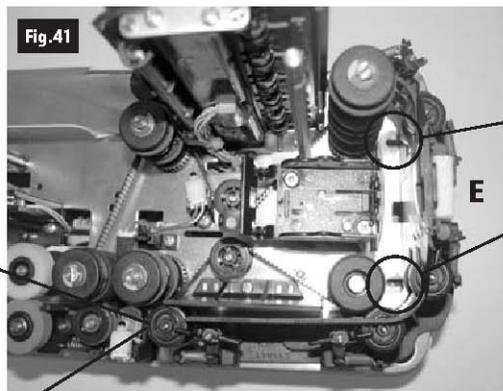
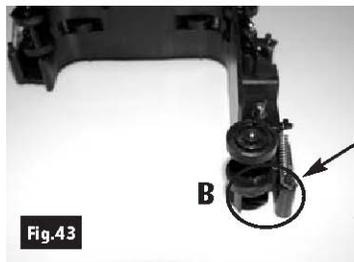
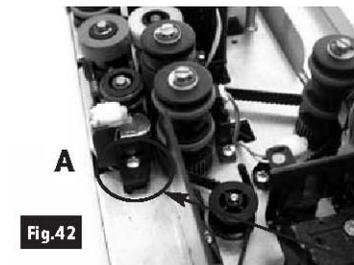
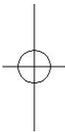
My Vision X

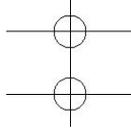




Advanced Solutions
for Document Processing

My Vision X

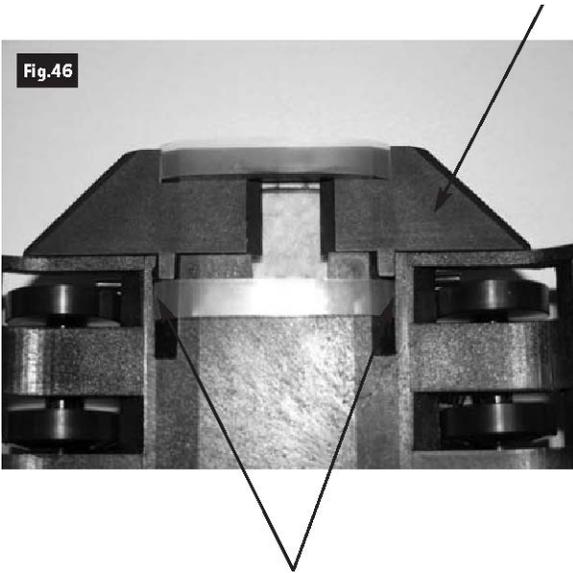
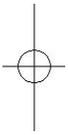


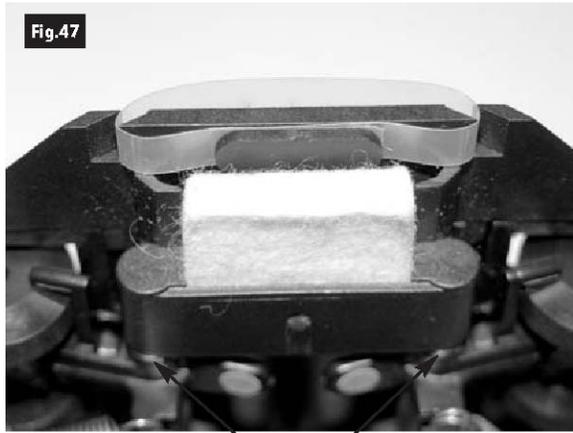


My Vision X

Note: If the blotting pad housing assembly. (A) comes away from the U-track, insert the low mylar spring in the lateral slots (B) and the pad housing in the reference pins (C). Gently press down until the pad housing stops on the top of the U-Track wall.

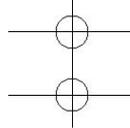
A





B

C

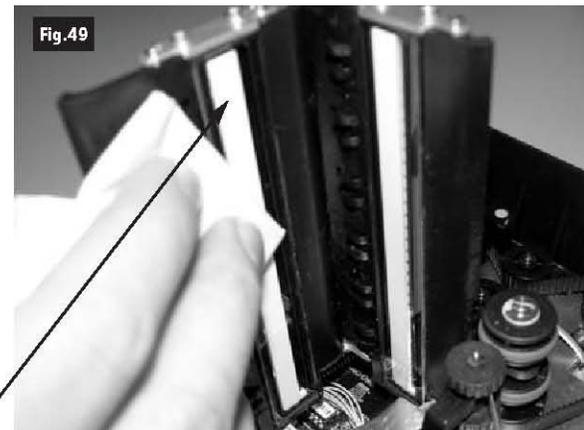
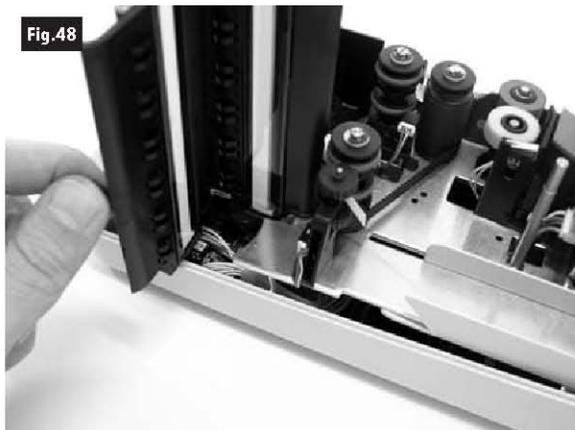


Advanced Solutions
for Document Processing

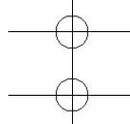
My Vision X

5.2 Cleaning the Contact Image Sensors

- 1 Gently open the front image camera (Fig.48) and remove any debris and dust.
- 2 Clean the Contact Image Sensors with a soft, lint-free cloth dampened with Isopropyl Alcohol or with eye glass cleaner (Fig.49).

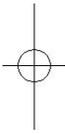


Contact Image Sensor (CIS)



Advanced Solutions
for Document Processing

My Vision X



5.3 Cleaning the HP C6602A Ink-Jet Cartridge

Fibers, such as cotton or paper, dried ink plugs or crust, or excess ink puddles on the nozzle plate can obstruct ink droplets or cause ink droplets to deflect from the desired trajectory, resulting in a degraded print quality.

When this occurs:

- 1 Open the inner cover.
- 2 Remove the print cartridge by pushing down the plastic retainer (Fig.50).
- 3 Dampen a clean, lint-free cloth with deionized (or distilled) water.
- 4 Hold the dampened cloth in contact with the nozzles for a few seconds.
- 5 Then gently wipe the nozzle plate in the direction of the paper movement. Do not wipe the electrical contact area.
- 6 If ink remains on the nozzle plate wipe again with a clean dry lint-free cloth.
- 7 Reinsert the cartridge.
- 8 Replace the inner cover.

Fig.50



Remove the Ink-Jet cartridge when transporting the unit and when the unit is not used for long periods. In case the scanner is not used regularly, periodically clean the Ink-Jet nozzles with a lint-free cloth.

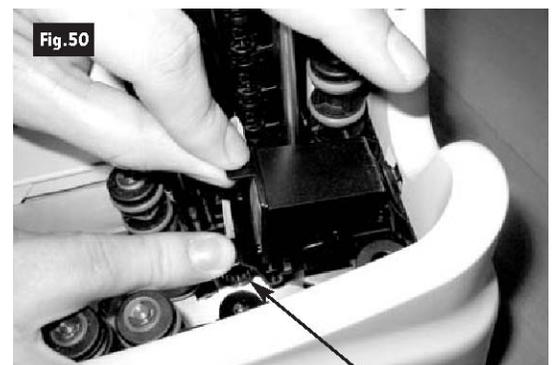
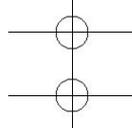
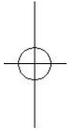


Fig.50

Plastic retainer



Advanced Solutions
for Document Processing

My Vision X



5.4 Cleaning the HP 51604A rev.B Ink-Jet cartridge

Fibers, such as cotton or paper, dried ink plugs or crust, or excess ink puddles on the nozzle plate can obstruct ink droplets or cause ink droplets to deflect from the desired trajectory, resulting in a degraded print quality.

When this occurs: 1 Open the inner cover. 2 Remove the print cartridge by pulling down the small plastic lever. 3 Dampen a clean, lint-free cloth with deionized (or distilled) water. 4 Hold the dampened cloth in contact with the nozzles for a few seconds (Fig.51). 5 Then gently wipe the nozzle plate in the direction of the paper movement. Do not wipe the electrical contact area. 6 If ink remains on the nozzle plate wipe again with a clean dry lint free cloth. 7

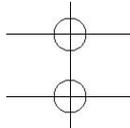
Reinsert the cartridge by pushing it into holder and then pull the small plastic lever all the way up using the tab provided. 8
Replace the inner cover

Fig.51



Remove the Ink-Jet cartridge when transporting the unit and when the unit is not used for long periods. In case the scanner is not used regularly, periodically clean the Ink-Jet nozzles with a fiberless cloth.

OPERATORMANUAL Page 42 Maintenance

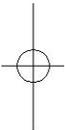


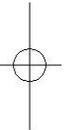
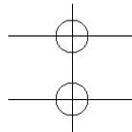
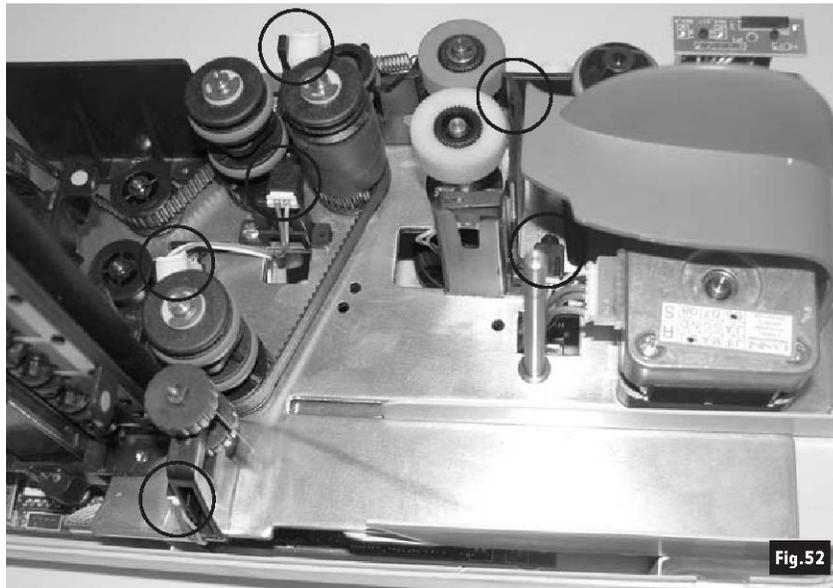
Advanced Solutions
for Document Processing

My Vision X

5.5 Cleaning the Photocell Detectors

The six photocells (emitter and receiver) are identified with black circles in Fig.52 below. Using a container of canned air and nozzle, spray the sensors to remove any dust. Also a dry soft cloth can be used.



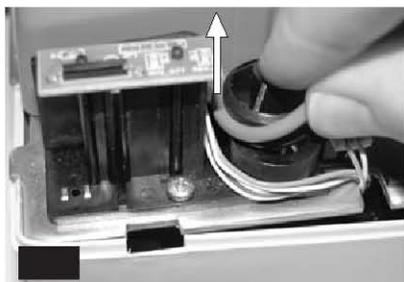


My Vision X

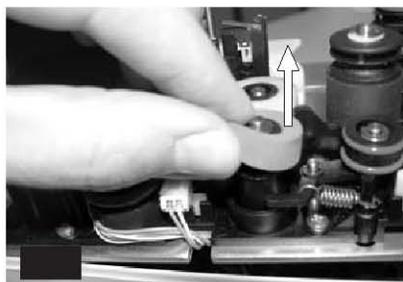
5.6 Replacing the Feeder and Separator Rollers

After extended use it will be necessary to replace the Feeder and Separator Roller rings due to normal wear.

- 1 Open the inner and outer covers.
- 2 Carefully lift the rings off the rollers (See the arrows in Fig.53, 54 and 55).
- 3 Install the new separator rings on the hubs by pressing down on the surface of the rings, making sure the rings are installed flat on their seats. The feeder ring must be rolled onto the black pulley.



Feeder ring



Front separator ring

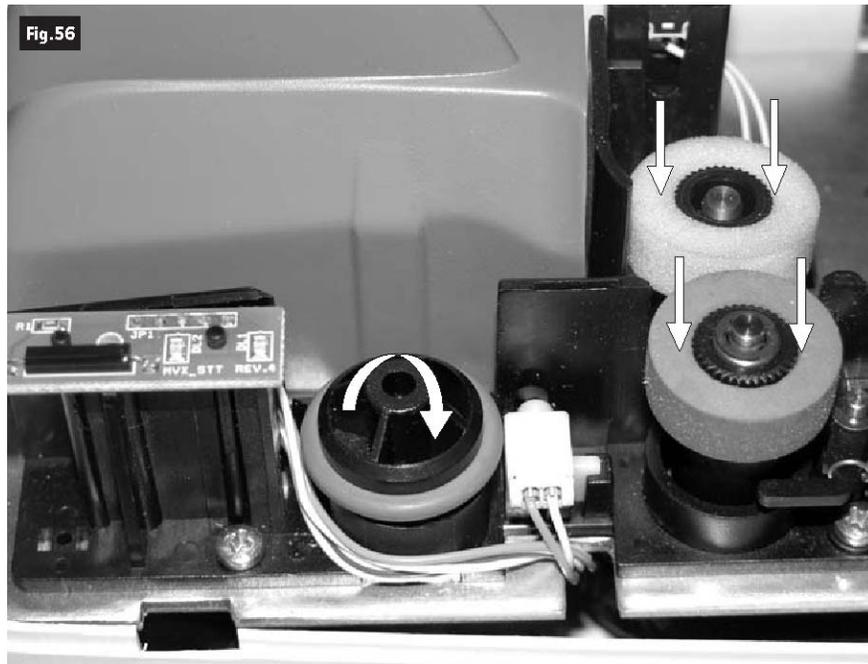


Rear separator ring



Advanced Solutions
for Document Processing

My Vision X

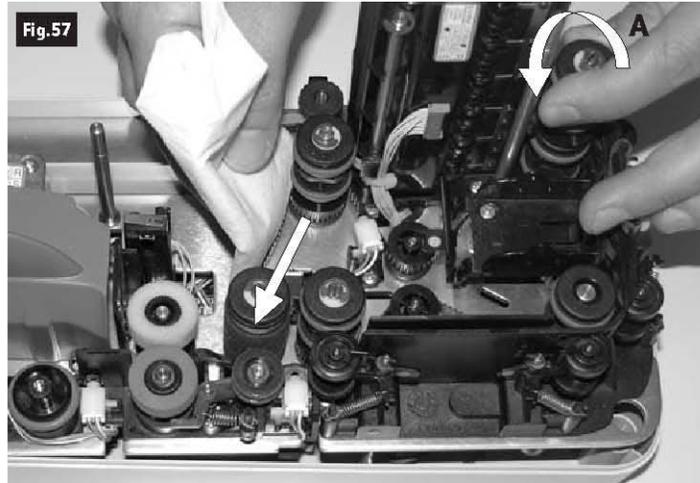


Advanced Solutions
for Document Processing

My Vision X

5.7 Cleaning the Reading Transport Belt

If an increase in the number of MICR (Magnetic Ink Characters Recognition) rejects is noticed, it may be necessary to clean the surface of the reading transport belt to remove extraneous magnetic ink or iron dust. Clean the external surface of the belt with a soft, lint-free cloth, dampened with Isopropyl Alcohol. Turn pulley "A" counterclockwise to move the belt in the direction of the arrow and clean the entire belt surface.

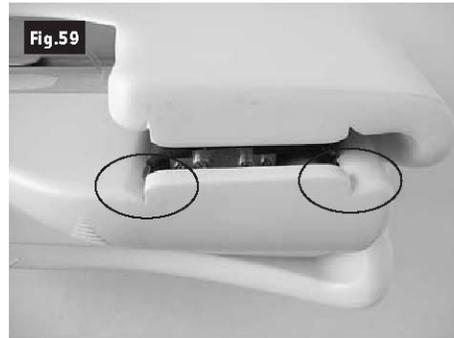


5.8 Install the External Covers

Install the inner cover following the instructions below:

- 1 Open the pocket extension.
- 2 Insert the two reference shafts in the corresponding housings found in the inner cover (Fig.58).

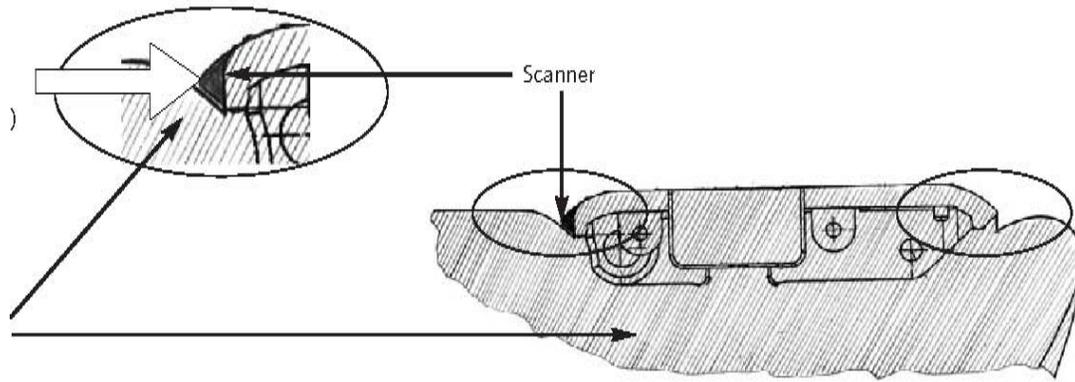
3 Push down on the inner cover until it stops, ensuring that the inner cover stays behind the scanner (black area) (Fig.59).



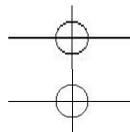
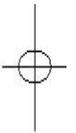
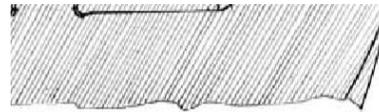
My Vision X

The inner cover (grid) must be
Scannerinserted behind the scanner (black)

Inner cover



- 1 Check the exit pocket to ensure that the two plastic springs are properly aligned as shown in Fig.60.
- 2 Insert the outer cover by aligning the two shafts with the two holes in the bottom cover of the unit (Fig.61). Push the cover down.
- 3 Insert the two teeth located on each side of the outer cover in the bottom cover and lock it see Fig.62 and 63.

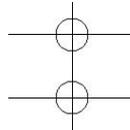
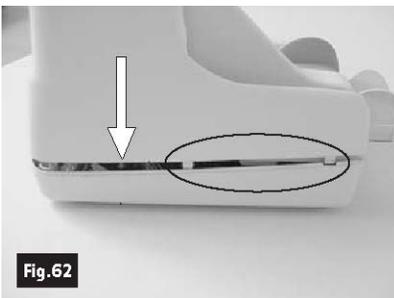
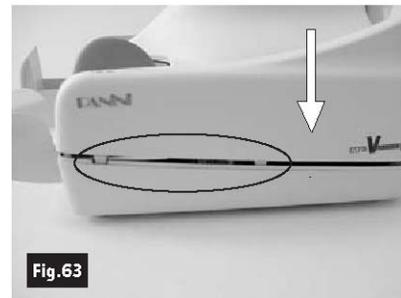
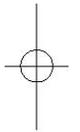


My Vision X

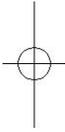
Insert the outer cover by aligning the two shafts with the two holes in the bottom cover of the unit (Fig.61). Push the cover down.



Insert the two teeth located on each side of the



My Vision X

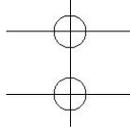


6. Specifications

6.1 Technical Specifications of the Panini My Vision X

PERFORMANCE	Various models processing up to 30 dpm, 60 dpm, or 90 dpm with a USB 2.0 interface
AUTOMATIC DOCUMENT FEEDER	<p>3 mode feeder:</p> <ul style="list-style-type: none">- Single document automatic insertion- Capacity of up to 30 documents for automatic batch one hand insertion- Capacity of up to 100 documents, with pressure plate <p>Limited feeder options available</p> <p>Double feed detection</p> <p>Auto-tuning separator rollers designed to process varied thickness of documents and to compensate wear</p>
POCKET DOCUMENT SPECIFICATIONS	<p>A single exit pocket capable of holding 100 documents</p> <p>Height: Min: 54 mm (2.12") - Max: 106 mm (4.17")</p> <p>Length: Min: 80 mm (3.14") - Max: 235 mm (9.25")</p> <p>Weight: Min: 60 gr/m² (16 #) - Max: 120 gr/m² (32 #)</p>
INTERFACE	<p>USB2.0 port/Backward compatible with USB1.1</p> <p>RS232 Port for external device connection. SW/FW developments on request</p>
MAGNETIC READER	<p>E13B /CMC7/Autorecognition</p> <p>Panini MICR Plus™ exclusive technology</p>
IMAGE CAPTURE	<p>Scanning: Contact Image sensors (CIS) technology (front and back)</p> <p>Image format: Bitmap in B/W, 256 shades of gray, TIFF, TIFF Multipage, Image compression: JPEG and Group IV</p> <p>Image resolution: 100 or 200 dpi</p> <p>Advanced dynamic thresholding</p> <p>Dual Image: 4 images in one document pass</p>
FAST COLOR (optional)	<p>Color images at 200 dpi and full DPM speed, images available in JPEG format for archiving purposes or BMP for color OCR recognition</p> <p>Red, green or blue drop-out acquisition</p>
OPERATOR MANUAL	Page 50 <i>Specifications</i>





**Advanced Solutions
for Document Processing**

My Vision X



SOFTWARE TOOLS Panini Vision API running on: Windows 2000 SP3 and Windows XP SP1 or higher with USB2.0 or with USB1.1 at reduced performance
Windows NT 4.0 SP6 with USB1.1

ICR Vision function for image snippet definition & download; Easy integration of ICR/Barcode/OCR recognition technology

INK-JET PRINTER Rear Ink-Jet printer Printing capability: Single line, Alphanumeric characters, all MS Windows fonts Printed information captured by the image

OCR Recognition (optional) OCR-A, OCR-B, E13B recognition engine

Barcode Recognition CODE 39, CODE 128, INTERLEAVED 2/5, EAN8, EAN13, UPCA, UPCE

DIAGNOSTIC FEATURES On board Diagnostics: Tests the functionality of the scanner Power-on Self Testing: Automatic self testing and photocells calibration when powering the unit

MAINTENANCE Maximum accessibility to every component to minimize MTTR

Total access to scanner and track area
Firmware upgradable via PC

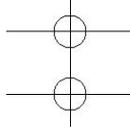
POWER SUPPLY INPUT
VOLTAGE Autosensing from 100 to 240 VAC,
50 to 60 Hz

DEVICE INPUT VOLTAGE 30 VDC +_ 20%

OPERATING CONDITIONS Temperature: 15 ÷ 35°C
Humidity: 20 ÷ 80% R.H. Non-Condensing

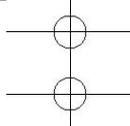
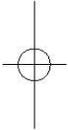
DIMENSIONS	Height	Width	Length	Weight
	175 mm (6.88")	138 mm (5.43")	264 mm (10.39")	2.5 Kg (5.51#)





- 1 *Technical Specification of the PC*
- 2 *My Vision X SD Addendum*

Panini Vision API running on: Windows 2000 SP3 or Windows XP SP1 or higher with USB2.0 or USB1.1 port Windows NT 4.0 SP6 with USB1.1	
30 dpm and 60 dpm Models	
Recommended	Minimum (to obtain max performance)
1 GHz Pentium IV processor	500 MHz Pentium III processor
256 MB RAM	128 MB RAM
200 MB free disk space	200 MB free disk space
USB2.0 port	USB2.0 port
90 dpm Models	
	1.2 GHz Pentium III processor
	256 MB RAM
	200 MB free disk space
	USB2.0 port



This addendum provides specific product details related to the Panini My Vision X SD. This highlights product characteristics that vary from the information in the Operator Manual.

My Vision X SD Packaging List ** Replaces section 2.1

The package includes:

- 1 Operator Manual
- 2 Accessories box (*)
- 3 My Vision X SD scanner unit
- 4 Power Cable

(*) The accessories box contains:

- Feeder Extension
- Extension plate
- Ink-Jet Cartridge HP C6602A
- USB 2 Cable
- Power Supply
- #1 Feeder Ring
- Ink-Jet Plastic Lever (adapter for HP 51604 cartridge)

** Adjustment to section 3.1



The installation procedure for inserting the document feeder extension on a SD machine varies slightly as the Document Pressure Plate has a fixed position and can not be pushed backwards. The Feeder Extension is simply inserted into the available slot. Installation is correct if the Feeder Extension is at the same level of the entrance of the scanner platform.

How to Prepare and Load Checks ** Adjustment to section 4.2

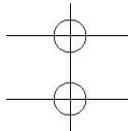


The SD scanner unit is designed for single document processing exclusively. All references to preparing and processing batches of multiple items in this section is not relevant to the SD version of the My Vision X. Inserting multiple items into the feeder of a SD scanner unit will cause multiple documents to be fed or document jams to occur.

Replacing the Feeder and Separator Rollers ** Adjustment to section 5.6

Please note that the SD scanner unit is not furnished with front and rear separator rollers. The addition of which is not needed when processing one item at a time. As such, the instructions for replacing these rings are irrelevant with reference to the SD scanner unit.

OPERATOR MANUAL Page 53 My Vision X SD Addendum



**Advanced Solutions
for Document Processing**

My Vision X

8. My Vision X AGP Addendum

This addendum provides specific product details related to the My Vision X AGP model. This information highlights product characteristics that vary from the information in the Operator Manual.

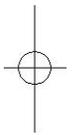
AGP Packaging List ** Replaces section 2.1

The Panini My Vision X AGP package includes: (*) The accessories box contains:

- Feeder Extension & Extension plate

- 1 Operator Manual • USB 2 Cable
- 2 Accessories box (*)
 - Power Supply
 - #1 Feeder Ring, #1 Front Separator Ring,
- 2 Panini My Vision X AGP scanner unit #1 Rear Separator Ring
- 3 Power Cable • Panini cleaning cloth (Panini P/N: GS-00020-00)
- 4 Ink-Jet Cartridge HP Q2344A (Black 1918 Dye) (Panini P/N: CA-00140-00)

Ink-Jet Cartridge Installation ** Replaces section 3.5 and 3.6



The following steps indicate how to install the My Vision X AGP Ink-Jet cartridge. Use only HP Q2344A cartridges (Black 1918 Dye) (Panini P/N: CA-00140-00)

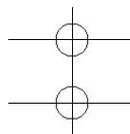
Remove the new print cartridge from its package, and gently remove the transparent tape covering the ink nozzles, being careful not to touch the ink nozzles and electrical contacts.

Remove My Vision X inner cover (see section 4.3)

Push the new cartridge down firmly into its cradle slot, and close the rear cradle lever.

Insert the inner cover

OPERATORMANUAL Page 54 My Vision X AGP Addendum



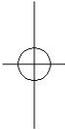
Advanced Solutions
for Document Processing

My Vision X

Cleaning the Contact Image Sensors ** Addition to section 5.2

In addition to following the basic cleaning instructions provided in section 5.2 of the Operator Manual, Panini recommends that you occasionally inspect the images for the presence of any streaking due to residual ink on the Contact Image Sensors (CIS) glasses. If so, use the Panini cleaning cloth (Panini P/N: GS-00020-00) to clean the CIS surface

Cleaning the Ink-Jet Cartridge ** Replaces sections 3.5 and 3.6



During printing ink- spray, paper fibers and dust can build up on the print cartridge. These can eventually degrade the print quality. When this occurs:

- Open the inner cover

- Open the rear cradle lever and remove the print cartridge

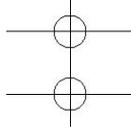
- Use the Panini cleaning cloth (Panini P/N: GS-00020-00) or a wet lint free cloth (de-ionized water is best) wipe slowly across the long-axis with the print cartridge facing down (as shown). The damp cloth should draw ink from the cartridge flushing out the nozzles. Do not apply excessive force, as this could scratch the nozzle area

- Insert the print cartridge

- Insert the inner cover

Purging the Nozzles: If the print cartridge sits inactive for a period of time, ink may dry in the nozzles. Dried ink clogging a nozzle is called an ink plug. As a result of the ink plug, white streaks will be visible in the printed text or graphic on the document. Printing alone may not remove ink plugs from the nozzles. To obtain better print quality, purge the ink plug. This is accomplished by performing the cleaning process described earlier, the Ink being pulled from the cartridge will flush the nozzles out. Then print a few lines of text or graphics.





**Advanced Solutions
for Document Processing**

My Vision X

Notes:

