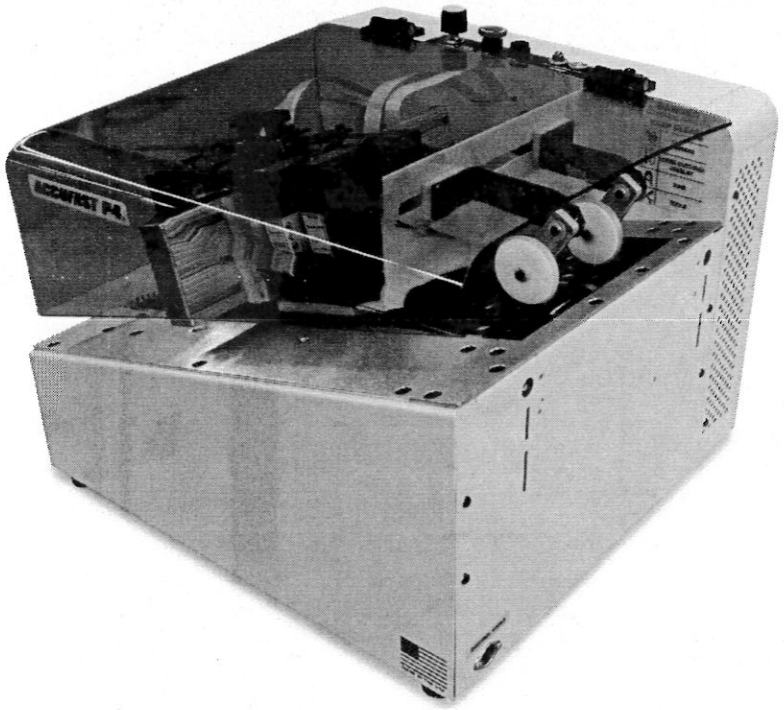
ACCUFAST® P4

Ink Jet Printer



Mechanical Operating Manual

Includes Small Envelope, Large Envelope and dataStake™ Feeders

07/16

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1. INTRODUCTION

1.1 Printer Description

The P4 is a versatile ink jet printer designed for many applications including those in the agricultural sector. It prints a wide variety of materials, and can be mated to a variety of feeders creating specialty integrated imaging systems.

The P4 accepts materials such as envelopes, post cards, booklets, packages and the like from any feeding device. Longer pieces enter across an Input Guide then pass under rollers. The Small Envelope P4 accepts smaller materials such as credit cards, blister cards, seed envelopes and small inner cartons. Large envelopes and stakes are handled in different feeders.

Once past the rollers, the piece is carried on a vacuum belt past a sensor and under imagers. The imagers print on the piece that is then transported from the printer.

1.2 Items Included

- ACCUFAST P4 Printer
- Software Installation memory stick
- Power Cord
- Factory set up sheet
- Operating Manual and Printing Guide
- Cleaning Materials
- Ethernet Cable
- ACCUFAST Card Feeder (with Tag and Card Option).

NOTE: The Memory stick contains the information used to set up this machine. Save it for use as a recovery disc if need be. The Factory Settings sheet contains much of this information in written form and should also be saved.

1.3 Operating Manual Safety Terms

The following highlighted blocks are used throughout this manual to emphasize important information. **Pay careful attention to this information.**

WARNING
ALERTS YOU TO ACTIONS OR CONDITIONS WHICH MAY PRESENT HAZARDS OR CAUSE INJURY TO PERSONNEL.

CAUTION
ALERTS YOU TO ACTIONS WHICH MAY CAUSE DAMAGE TO EQUIPMENT OR WORK FLOW INTERRUPTION.

NOTE
Draws your attention to an important statement or action.

1.4 Safety Precautions

Observe the following safety precautions and warnings when operating, cleaning or repairing the ACCUFAST P4 Ink Jet Printer. Failure to do so may result in physical injury or damage to the ACCUFAST P4 Ink Jet Printer. The manufacturer assumes no liability for your failure to comply with these requirements.

WARNING
NEVER CLEAN, CLEAR OR DISASSEMBLE THE PRINTER WITHOUT FIRST UNPLUGGING THE POWER CORD.

WARNING
KEEP LOOSE CLOTHING, TIES, SCARVES AND HAIR AWAY FROM ALL MOVING PARTS.

WARNING
DO NOT PLACE FINGERS OR TOOLS BETWEEN OR NEAR MOVING PARTS

Press the E-Stop to stop all moving parts in the printer and any attached feeder. The Printer top cover also protects all moving parts. Raising the cover disables and stops all moving parts. Make sure that the cover is fully lowered during operation. Raising the cover during operation acts like an E-Stop. To re-start twist and lift the E-Stop button and press the start switch. If the printer does not detect any pieces flowing through it, it will automatically turn off any moving parts as if the E-stop were pressed.

1.5 Warranty

AUTOMECHA Mfg. warrants your ACCUFAST P4 Ink Jet Printer against defects in materials and workmanship for a period of six months from the original ship date when used in accordance with the operating instructions in this manual. This warranty covers the cost of parts when the machine is presented by its original purchaser to an Authorized Service Center. Should warranty repairs become necessary, the service provider, at his/her option, will repair or replace such parts required to restore the printer to serviceable condition.

This warranty does not cover consumable parts such as belts and rollers used to contact and transport pieces. This warranty does not extend to incidental or consequential damages arising out of a warranty claim, equipment malfunction or to costs associated with maintenance of the equipment. This warranty does not cover damages resulting from shipping, accident, misuse, abuse, neglect, mishandling, alteration or modification. Your rights under this warranty may vary from state to state. Contact AUTOMECHA Mfg. at 800-362-5734 should difficulties arise with any warranty claim.

1.6 Copyrights & Trademarks

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2. SPECIFICATIONS & REQUIREMENTS

2.1 Specifications

Size
P4 – 16.0" l x 12" h x 16.5" w

Weight
35 lb.

Production (Speed)

Fixed at 23 ips. With variable speed feeders.

Power
Possible line voltages are 240V, 230V, 220V, 120V, and 100V at 50-60 Hz

Use a grounded outlet or Uninterruptible Power Supply.

Pens (Inkjet Print Cartridge)
The ACCUFAST P4 Printer uses Hewlett Packard 51645A style Inkjet Print Cartridges. Specific jobs require dedicated ink types.

2.2 Operating Requirements

Document Size

Length:	14.33 in. (B4)
Width:	3 in. – 9 ½ in.*
	Wider pieces can be run when the Input Guide Assembly is not installed
	Narrower (1.5") with card feeder option
	1.125" x 12" stakes with Stake Feeder
Thickness:	2 sheets – .375 in.

3. POWER CONNECTION

WARNING
BEFORE PLUGGING THE PRINTER INTO AN OUTLET, CAREFULLY READ THE FOLLOWING INFORMATION ABOUT VOLTAGES AND THE POWER CORD.

3.1 Safety

The Printer can connect to any power distribution system, including the European IT Power System. Because the European IT Power System does not have a grounded neutral leg, the Printer uses protective fusing in both the neutral and hot supply lines of power. Additionally he printer is protected from starting because of unintended power interruption through the use of a reset switch.

WARNING
A BLOWN FUSE IN THE NEUTRAL LEG COULD MEAN INTERIOR PARTS OF THE PRINTER REMAIN AT A HAZARDOUS VOLTAGE. ALWAYS UNPLUG THE POWER CORD BEFORE REMOVING COVERS FROM THE PRINTER.

3.2 Line Voltage

The ACCUFAST P4 Ink Jet Printer is rated for continuous operation using a variety of supply voltages. Possible line voltages are 240V, 230V, 220V, 120V and 100V at 50 or 60 Hz. The manufacturer configures the ACCUFAST P4 Ink Jet Printer to operate with the voltage requested by the customer.

CAUTION
VERIFY THE CORRECT VOLTAGE SETTING BEFORE PLUGGING THE PRINTER INTO AN OUTLET. IF INCORRECT, CONTACT MANUFACTURER.

The POWER CORD connects to the rear of the printer.

NOTE
The detachable POWER CORD may have to be changed to match the particular power-source output.

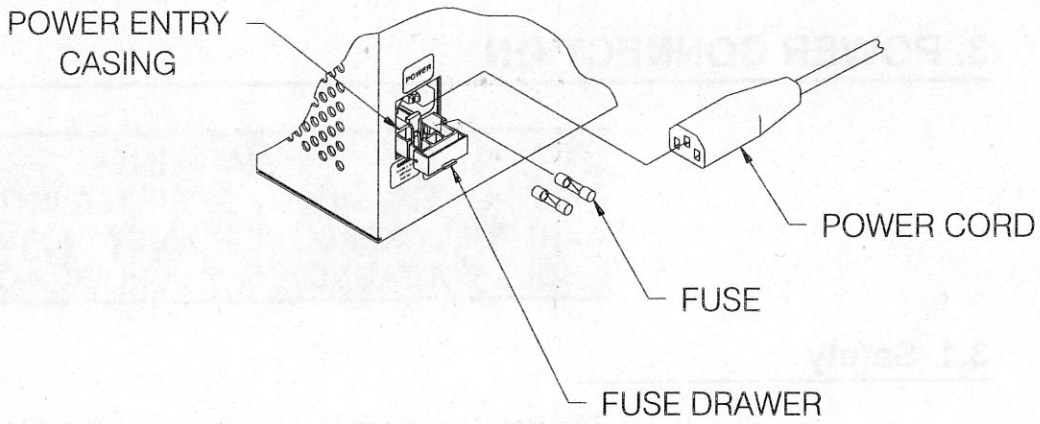


Figure 3.1 - Power Connection

3.3 Line Fuses

The FUSE DRAWER located on the non-operator side contains two LINE FUSES. (Refer to **Figure 3.1**) The neutral and hot lines of power are fused. Both LINE FUSES must be intact for the ACCUFAST P4 Ink Jet Printer to operate properly.

CAUTION

VERIFY THAT THE LINE FUSE VALUE IS CORRECT FOR THE VOLTAGE SETTING. UNPLUG THE PRINTER BEFORE STARTING THIS PROCEDURE.

Use the following instructions to verify that the LINE FUSES installed have the proper fuse value or to replace a blown fuse:

1. Unplug the POWER CORD.
2. Use a small screwdriver or similar tool to pull the FUSE DRAWER out of the POWER ENTRY CASING until it stops.
3. Determine the proper fuse value as well as the condition of the LINE FUSE. The fuse value is shown on the metal tip of the LINE FUSE. The chart below lists the selected voltage in the left column followed by the proper fuse value in the right column.

Selected Voltage	Line Fuse Value
100V.....	2.0A
120V.....	2.0A
220V.....	2.0A
230V.....	2.0A
240V.....	2.0A

5. Replace the LINE FUSE if necessary. Both LINE FUSES must be intact for the ACCUFAST P4 Ink Jet Printer to operate properly.
6. Push the FUSE DRAWER back into the POWER ENTRY CASING.

3.4 Power Cord

Plug the POWER CORD into the APPLIANCE INLET on the backside of the Printer.

The ACCUFAST P4 Ink Jet Printer comes with a three-wire POWER CORD. The POWER CORD grounds the ACCUFAST P4 Ink Jet Printer when connected to an approved three-contact electrical outlet.

1. Plug the POWER CORD into the APPLIANCE INLET on the non-operator side. (Refer to **Figure 3.1**)
2. Plug the POWER CORD into a grounded outlet.

WARNING
TO PREVENT ELECTRICAL SHOCK, ONLY PLUG THE POWER CORD INTO A GROUNDED OUTLET.

4. SET-UP

WARNING
KEEP LOOSE CLOTHING, TIES, SCARVES AND HAIR AWAY FROM ALL MOVING PARTS. DO NOT PLACE FINGERS OR TOOLS BETWEEN OR NEAR MOVING PARTS.

WARNING
THE P4 PRINTER IS A HEAVY MACHINE. USE PROPER LIFTING TECHNIQUES TO SET IT ON A WORK SURFACE

4.1 Software Installation

P4 printing is controlled by either PrintConnect or jet.engine GUI programs. Specific software installation instructions are covered in the appropriate Printing Guide included with the P4.

4.2 Printer Assembly

The ACCUFAST P4 Ink Jet Printer is shipped assembled. Carefully remove all components from the shipping container. Save the container until you are satisfied that the P4 is operating correctly. Immediately report any shipping damages to the carrier.

Remove all shipping materials including foam at the print heads.

Make sure that the print heads are not touching the transport belts and that the belts turn freely.

1. Install PENS in the PRINT HEAD by lifting the blue lever on the PRINT HEAD and sliding the unwrapped PEN into the slot in the PRINT HEAD. Push the base of the PEN fully forward onto its connectors. As you close the blue lever, allow the top of the PEN to be rocked fully into place by the action of the lever.

NOTE

The ACCUFAST P4 Printer uses Hewlett Packard 51645A style pens. Contact ASMARC at 800-447-9990 for specific ink types for your application.

4. An Output Cable Connector (refer to Figure 4.2) has been provided for an external power supply. This cable attaches the printer to some ACCUFAST Feeders carrying low voltage DC power to the feeder..

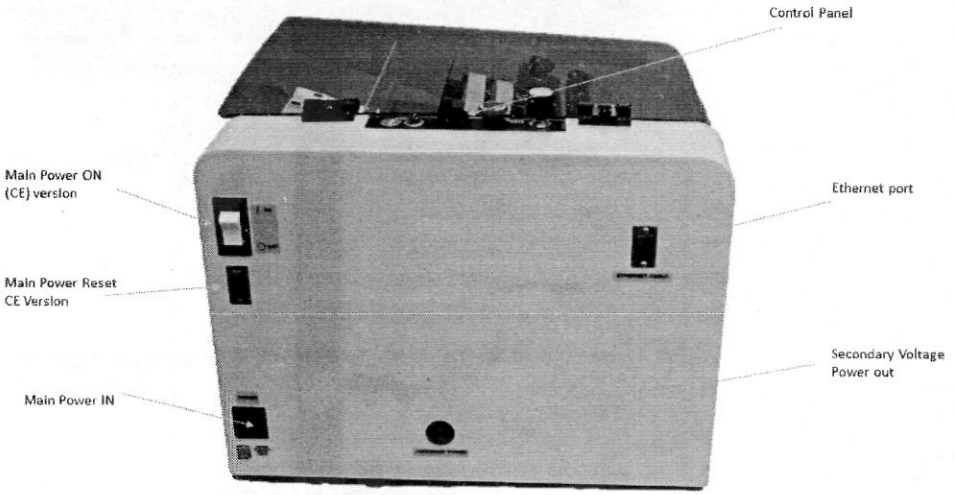


Figure 4.2 – P4 Back Side (Euro. Spec. version, US has only one power switch in like position.

4.2.1 Small Envelope Feeder

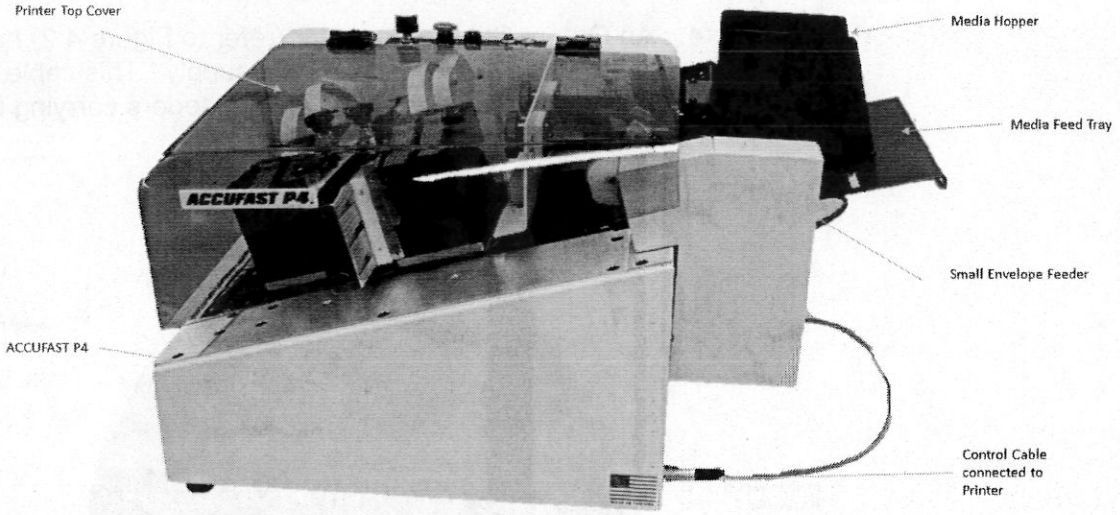


Figure 4.3 – Small Envelope Feeder

1. Raise the P4 Cover.
2. Slide the Small Envelope Feeder mounting tabs into the slots provided on the input end of the P4.
3. Plug the Card and Tag Feeder into the control receptacle on the lower left of the input end and the secondary power on the back of the P4.

4.3 Connecting the P4 to the PC

NOTE
Use the Ethernet crossover cable supplied or a compatible extension cable.

1. Plug the Ethernet cable to the computer and to the back of the P4.
2. Power on the P4 Printer.

4.4 Network Connections Settings

The printer's software communicates with the ACCUFAST P4 through a local area network (LAN) connection via the Ethernet cable. This requires settings to be manually entered in Network Connections, which is accessed through Control Panel. Follow the steps below to set Network Connections properties to work with the default IP address that is assigned to the imager at the factory.

1. Click START.
2. Click on CONTROL PANEL.
3. If Control Panel is set to Category View click on the NETWORK and INTERNET CONNECTIONS category and then click on the NETWORK CONNECTIONS icon. If Control Panel is set to Classic View just double click on the NETWORK CONNECTIONS icon.
4. Right click on LOCAL AREA CONNECTION and click on PROPERTIES. *The name of this connection may be different if multiple connections are installed on your computer.* Scroll down and highlight INTERNET PROTOCOL (TCP/IP4).
5. Click on the PROPERTIES button.
6. Click on USE THE FOLLOWING IP ADDRESS.
7. Set the IP ADDRESS to **192.193.194.10**
8. Set the SUBNET MASK to **255.255.255.0**
9. Click OK to close and save settings to the Internet Protocol (TCP/IP4) Properties window.

10. Click on the SETTINGS tab in the Windows Firewall area. A Windows Firewall window will open.
11. If this is the only Local Area Connection on this computer it is safe to choose the OFF option and click on OK to close the Windows Firewall window. If you have more than one Local Area Connection and the ON option is selected, click on the EXCEPTIONS tab and make sure the jet.engine GUI program is in the program list and is checked. Click on OK to close the Windows Firewall window.
12. Click OK to close the Local Area Connection Properties window.
13. Close the Network Connections window.

5. OPERATION

The P4 supplies power to the various feeders (see photos) through a cable attached to the non-operator side, and controls those feeders through a cable attached to the input end of the printer. All feeders are set up to operate in a similar manner with differences due to the size and type of material to be printed. Therefore the printer controls apply to the feeder as well.

In the interest of safety, the P4 is equipped with electronic circuits that prevent it from operating when nothing is being fed through the machine. It will not start the transport belts unless the start switch is pressed while the top cover is down and the E-Stop is up. After initial startup, pressing the start switch once will cause the machine to run or a short time (3 seconds) only. To extend the run time press the start switch 2 or 3 times. Once pieces are fed through the machine, it will run until turned off, jammed, or empty. Additionally, unintended main power interruption will not cause a start of mechanical components. In order to reengage power, the main switch must be turned off and the reset switch pushed.

To set up the machine and the feeder, press the start button several times. This will allow enough time to start feeding pieces.

5.1 P4 Controls

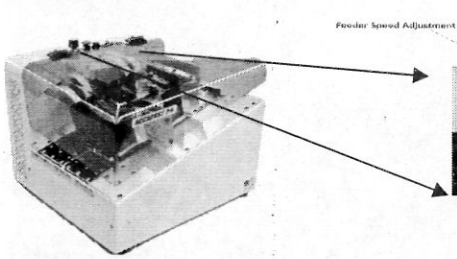


Figure 5.1 - Assembled Machine

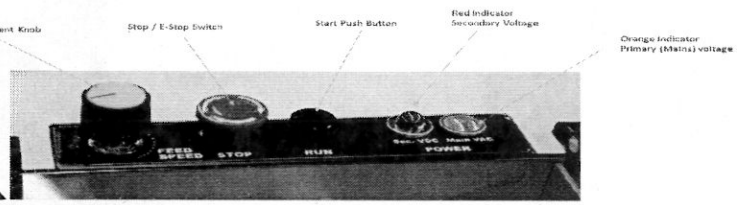


Figure 5.2 Control Panel

5.1.1 Power Switch

The Power Switch is located on the back side of the machine near the top (refer to Figure 4.2). When it is turned on, an amber light on the Operator Panel (refer to Figure 5.2) lights.

When the power is on and the indicator light lit, the P4 is operable, but information is not flowing, nor is the belt moving.

5.1.2 Stop Switch

The Stop Switch is a red mushroom style switch that controls the belts on the printer and the rollers on any attached feeder. Press the switch down to stop, rotate it clockwise and raise the mushroom button to initiate starting.

5.1.3 Start Switch

This control is a black pushbutton in the center of the Operator Panel (refer to Figure 5.2). Push the button once, and the transport moves for a few seconds then stops. Push it twice and the transport belts run for a longer period. The Stop Switch must be raised and the cover lowered to start the transport.

5.1.4 Speed Control

The Speed Control Knob is located on the left of the Operator Control Panel (refer to Figure 5.2). Turning the knob clockwise causes the feeder motor to speed up. Turning the knob counterclockwise slows, then fully stops the feeder.

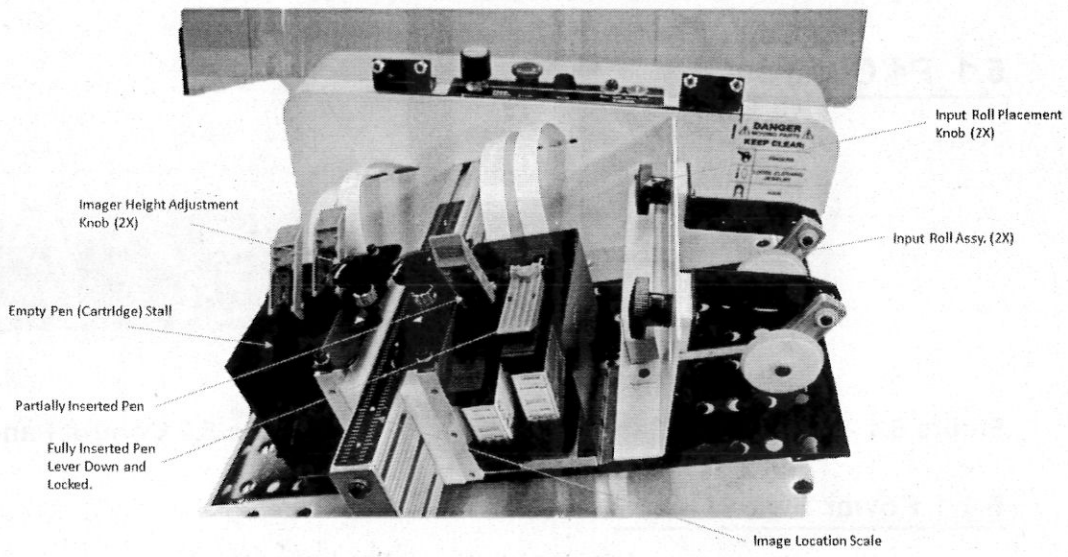


Figure 5.3 P4 Transport

5.2 Printer Transport

The PENS (also known as Inkjet Print Cartridges) are the components that actually print. Each PRINT HEAD holds 2 PENS. Your ACCUFAST P4 Printer uses Hewlett Packard 51645A style PENS (not included).

5.2.1 Print Heads

The PRINT HEADS hold the PENS and slide back and forth on the IMAGER SUPPORT BAR.

5.2.2 Print Head Adjustment Knobs

Located on each PRINT HEAD (refer to Figure 5.4), the knobs control the height of the PRINT HEADS above the transport belt. Turning the knob clockwise raises the PRINT HEAD, counterclockwise lowers it. Set the PRINT HEAD height to be just above the thickness of the piece being printed. Keep them as close as possible to the piece to generate acceptable print quality while avoiding smearing.

5.2.3 Input Rolls

These rolls may be positioned in such a way as to squarely receive pieces from the feeder or other input mechanism. By removing the locking knob, the entire roll assembly may be removed and replaced along the bar to increase or decrease the minimum distance between the rolls.

5.3 Transporting Print Media

1. Plug the Printer in to a grounded outlet. Use a UPS if power is not "clean" or dependable.
2. If the Input Guide Assembly is being used (refer to Figure 5.2), set the width of the side guides to match the piece to be printed. If the Card Feeder is used, set the guides and separator thickness to match the piece.
3. Place a piece under the Imagers and raise or lower them to just clear the top of the piece using the Imager Height Adjustment knobs (refer to Figure 5.4).
4. Center the Input Rolls on the leading edge of the media by loosening the knob and sliding the roll assembly (refer to Figure 5.4).
5. Turn POWER SWITCH on.

6. Lower the cover
7. Raise the E-Stop switch
8. Press the start button once and the transport will only run for a few seconds. This is a safety feature to keep the machine from running while empty. Press the start button several times to extend initial run times.
9. While the transport is running, press the start (green) button on an attached feeder. Feeding pieces keeps the printer transport in motion. Stop feeding and the transport will stop after a short while.

   Adjust the speed of the feeder using the Speed Control Knob. Turn the knob clockwise toward FAST to increase the speed, or counterclockwise to decrease the speed. Increasing the speed decreases the gap between successive pieces..
10. Opening the Cover stops the transport and feeder of the Card and Tag version P4. Opening the cover does not effect data flow to the printer. Pressing the Stop knob also stops the transport and the feeder. To re-start, lift the knob and press Start.

In order to obtain best print results, make sure that the feed device's exit rollers have let loose of the piece before the lead edge of the piece hits the product sensor.

Also, position exit devices so that the lead edge of the piece is taken away after printing has ceased. Whenever a roller touches a piece, there is the possibility of piece movement on the belt, causing a momentary inconsistency in the print.

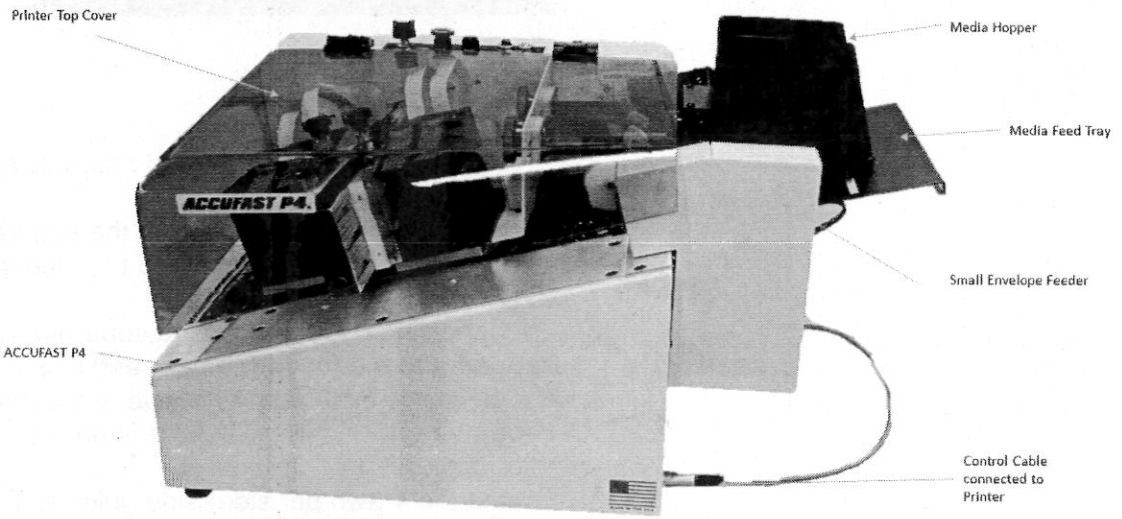
5.4 Ink Settings

Make sure that the ink firing parameters match the ink that is being used. The factory settings supplied with the machine are created based on the inks specified at time of order and sampling. Envelope applications are typically water based, cards and tags are dependent on the inks that work best, and stakes require PrimeX ink. Changing media will often require a change in the ink parameters in software. Consult the software manual for specific procedures.

6. FEEDERS / FEEDING

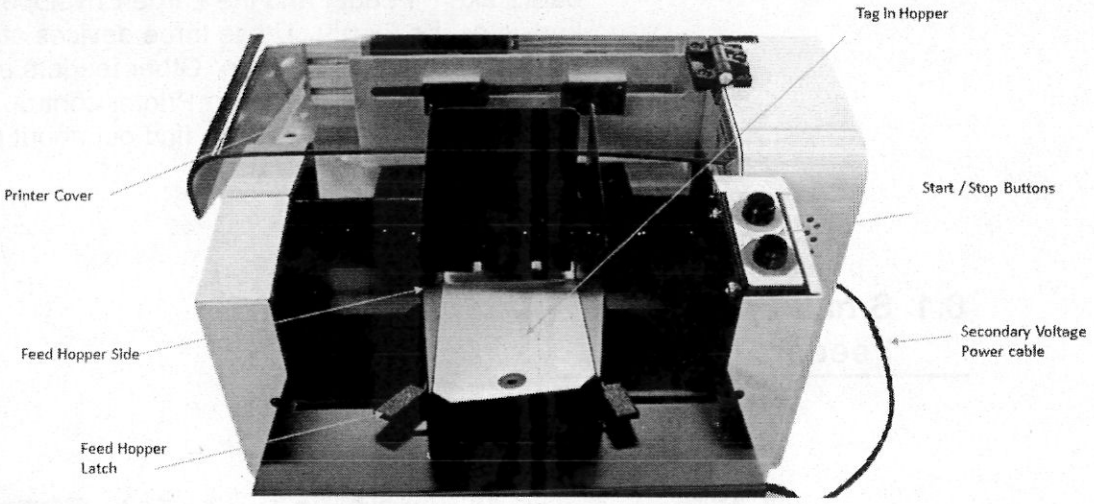
There are several feeders available for the P4. The most commonly used are: The Small Envelope Feeder, the dataStake™ Feeder and the Large Envelope Feeder (also known as the Fx-05). These three devices attach to and are controlled by the P4 Printer. Other feeders exist that are externally powered but under Printer control. Please call ASMARC at 800-447-9990 to find out about other feeding options.

6.1 Small Envelope Feeder



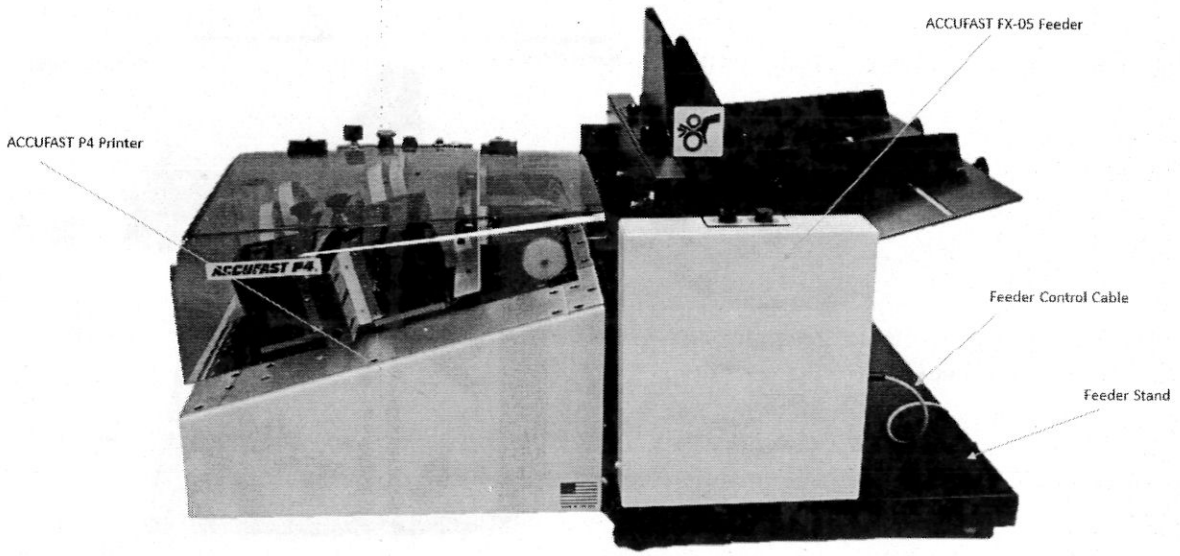
The Small Envelope Feeder simply rests on the input end of the printer. Raise the printer top cover and inset the tabs on the feeder mounting bracket into the slots on the input end panel of the printer. Be sure that the small right angle guide extensions rest atop the printer transport table and that the printer input rollers are between the guides. Plug the shorter of the two attached cables on the feeder into the control outlet on the printer input panel. Plug the longer cable into the power outlet on the rear of the printer. Once the printer transport is running, control the feeder by pressing the Green labeled switch to start feeding and the red labeled switch to stop.

To adjust the feeder for various types of material such as tags, cards or envelopes:



1. Position a single item to be fed squarely at the blue separator.
2. Lift the printer cover and access the separator setting knob, loosening it. Raise the knob and the blue separator assembly.
3. Slide the single form under the separator and lower the separator to the top of the form and lock it. Pulling back on the piece will be a bit difficult due to the dag of the separator on the piece. If there is no drag, lower the blue separator further.
4. Locate the 4 (two per side) side guide locking levers and slide each guide to close proximity of the piece in the feeder. Square and lock the guides. Do not make the guide too snug to the piece, leave a bit or room for the piece to slide easily from the feeder.
5. Place a few more pieces on the one in the feeder.
6. Lower the printer cover, start the printer's transport and press the green labeled button on the feeder. This will start the feeder. Stop the feeder with the red labeled button.
7. If pieces feed smoothly, the feeder is set up correctly. If not, check the squareness of the guides to free the piece or the contact of the separator if double feeds occur.

6.2 Large Envelope Feeder (Fx-05)

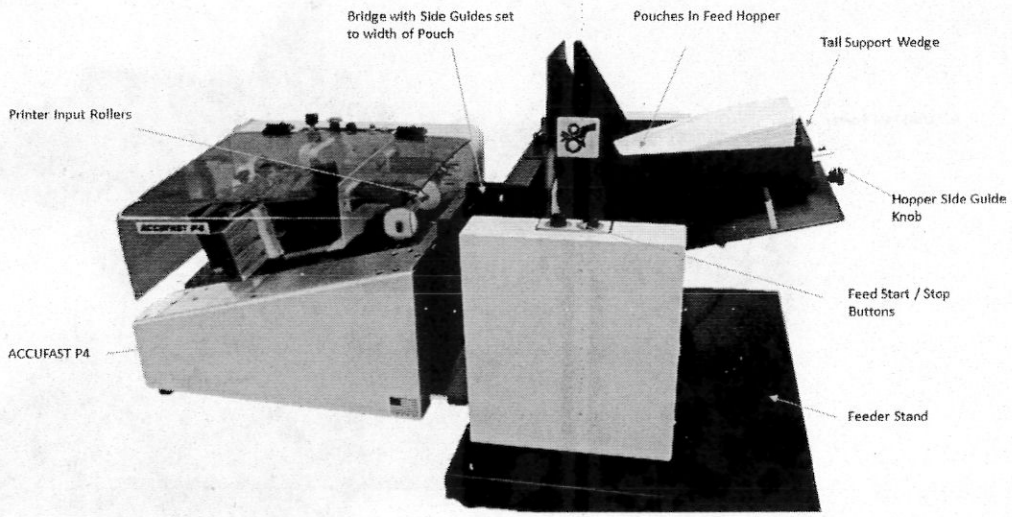


To install the feeder:

1. Place the printer on a flat surface that is at least twice the size of the printer.
2. Plug the gray signal cable into the signal outlet on the entry end of the P4. Stretch it out from the printer.
3. Place the Feeder Stand over the cable and up to the printer.
4. Place the Feeder atop the stand as shown and plug in the control cable.
5. Plus the power cable into the socket on the back of the printer.

Feeding media from the feeder into the printer is a two step process. First, the feeder and printer must be set up to handle the media. Second, the machines need to run without printing in order to insure proper flow of material through the pair of attached machines.

WARNING
DO NOT OPERATE FEEDER WITHOUT ALL GUARDS OR COVERS N PLACE



6.2.1 Example: Feeding a long, narrow, pouch.

Refer to the photograph above. In order to feed the pouch, the feeder must be moved away from the printer and a bridge installed. The printer input guides must be placed so as to receive the pouch squarely. The separators on the feeder need to be set to allow only one form to pass while the side guides in the feeder are set to allow that form to pass. Finally a tail support is installed to raise the tail of the stack to keep even pressure on the feed roll and separators.

Necessary steps.

1. Install the bridge (supplied with the printer) by screwing it into the threaded holes on the input end of the printer. Loosen the side guides and spread them toward the outside of the bridge.
2. Slide the Feeder up to the bridge so that it rests very near or abuts the input edge of the bridge. Center the Feeder to the bridge.
3. Take a single form to be fed and lay it on the bed of the feeder, centered as near as possible.

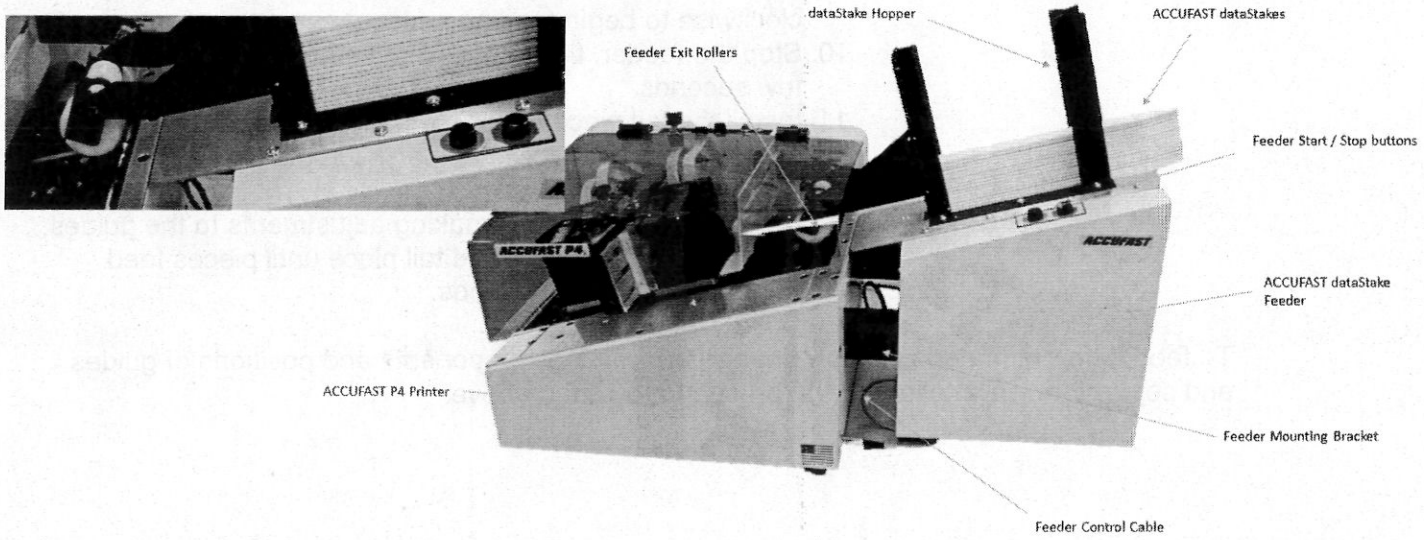
4. Loosen each separator (blue plastic drum) using the knobs above each separator and raise them over the sample piece. Slide the piece under the separators and allow them to each drop on the piece. Tighten the separator locking knobs.
5. Slide the side guides in to the edge of the form, leaving 1/16th of an inch between the guides and the form while keeping everything square. Lock the guides.
6. Load a few forms in the feeder.
7. Raise the Printer cover and move the input wheels to correspond with an edge of the form to be fed. Close the cover.
8. Turn on the power, make sure that the Stop button is up and the cover is closed and press the start button on the printer twice. This will allow you enough time to run the feeder.
9. After the printer transport starts, press the green start button on the feeder and turn the FEED SPEED control clockwise to begin feeding a piece.
10. Stop the feeder, the transport will automatically stop in a few seconds.
11. Install the tail piece under the trailing edge of the forms by screwing the knob through the slot in the tail piece into the bed of the feeder.
12. Practice feeding pieces making adjustments to the guides, separator, input rollers and tail piece until pieces feed regularly at different speeds.

To feed different material, simply change the various components and positions of guides and separators while following the procedure outlined above.

6.3 dateStake ™ Feeder

Feeding ACCUFAST dataStakes™ is a specialized task accomplished by the feeder shown assembled on the right with the proper relationship of the feeder exit rolls and the printer on the left.

The feeder is attached to the printer by slipping the black bracket into the slots on the input end of the printer. Plug the longer of the two wires on the feeder into the Power outlet on the back of the printer and the shorter of the two to the control outlet on the input panel of the printer.



Load up to 50 dataStakes™ in the hopper as shown and feed by starting the printer transport belts and pressing the green labeled button on the feeder. Stop feeding by pressing the red labeled button.

7. TROUBLESHOOTING

7.1 Troubleshooting Chart

Trouble	Cause	Solution
1. Printer not running.	• POWER SWITCH is off.	• Turn POWER SWITCH on. Reset if need.
	• POWER CORD is not plugged in.	• Plug POWER CORD in.
	• No power in outlet.	• Check circuit source for blown fuse or circuit breaker.
	• LINE FUSE is blown.	• Contact authorized service center. If unavailable, call AUTOMECHA Mfg. at 800-362-5734.
2. Power OK, not running	• Cover is up / safety switch not engaged • E-Stop down • Start Switch not engaged. • Transport has timed out and stopped.	• Make sure that the pen latches are all down when the cover is closed. • Press the cover down into place. • Lift E-stop, press start button • Press start button for 10-15 seconds.
3. Product does not feed properly.	• Side guides do not fit the product size. Causing skew.	• Adjust side guides to product size and fine tune to produce good feeding. (**Section 5.3**)
	• Imagers are not set to correct product thickness, causing jams, curling, smearing, bad image quality.	• Adjust the imager height. Be sure to set the imager so that it just clears the piece.
4. Product Feeds, no print	• Piece doesn't break photocell.	• Shift piece to the back edge of machine to break photocell beam.

	• Pens out of ink or dried.	• Replace with new pens, clean pens.
	• Software problem.	• See software manual, individual functions help screens.
5. Poor Print Quality	• Dirty / Clogged Cartridges	• Remove and Clean with lint free wipes and/or in accordance with ink manufacturer's specifications
	• Cartridges too close to material, smearing.	• Raise cartridges until they just clear the material being run. Closer is better.
	• Cartridges too far away from material – fuzzy print.	• Lower cartridges to just above the material. Closer is better.
	• Old cartridges Cleaning doesn't work.	• Replace with new.
	• Ink wicks into material leaves a fuzzy image.	• Try a different ink. Not all materials work with all inks.
	• Image doesn't dry at output and smears.	• Use a specialty ink matched to the particular substrate. Begin a sampling program with ACCUFAST to determine best alternative.
	• Imagers are not set to match ink firing characteristics. Usually seen when switching from water to solvent based inks and back again. • Image doesn't line up vertically.	• Solvent inks fire at different settings than water inks. Failing to match the settings with the ink will result in poor firing and decreased print quality. • Check stitching information in Printing Guide

8. MAINTENANCE & SERVICE

8.1 Cleaning

Wipe dust, debris or contaminants from the Printer as they accumulate. Use a damp cloth. Keeping the Printer clean helps to insure long-term performance.

Wipe debris and build-up from the Transport Rolls with an alcohol soaked cloth.

Clean Water Based Ink Cartridge tips with a lint free cloth soaked in de-ionized water.

Clean Solvent Based Ink Cartridges per ink manufacturer's instructions (supplied with ink). Keep cleaning materials separate with ink. Do not clean solvent based ink cartridges with water.

Do not leave the ink cartridges uncapped overnight. When you finish printing, remove the cartridges, clean them and cover with the plastic tabs supplied with the cartridge.

8.2 Service

If any problems occur with this equipment or if you need assistance installing or operating your Printer, contact your technical representative.

When calling for service, have your Printer's serial number handy.

ACCUFAST®
SALES
(800) 447-9990

ASMARC
125 WOLF RD.
ALBANY NY 12205

www.asmarc.com

ACCUFAST®
Package Printing Systems
SALES
(866) 336-8608

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125 WOLF RD.
ALBANY NY 12205

www.accufastpps.com

ACCUFAST®
SERVICE
(866) 336 8608
(800) 362-5734

AUTOMECHA MFG
48 SOUTH CANAL ST
PO BOX 660
OXFORD NY 13830