

D&K Expression 42 Pouch Laminator

Instruction Manual



Provided by

MyBinding.com
When Image Matters.

Call Us at 1-800-944-4573

EXP 42" Pouch Laminator

Owner's Manual



MADE IN U.S.A.

Table of Contents

About the Manual.....	2
Introduction.....	3
Safety Precautions.....	4
Understanding Your Laminator.....	5
Unpacking, Setup and Installation.....	5
Control Panel.....	6
Nip Adjusters.....	7
Mounting Using a SuperStick® Pouch Mounting System.....	8
Mounting Using a Superstick® Mounting Board.....	9
Mounting and Laminating Using a SuperStick® Pouch Board.....	10
Encapsulating with a SuperStick® Flexible Pouch or Release Board.....	11
Cleaning Your EXP 42" Pouch Laminator.....	12
Specifications.....	12
Terms & Conditions.....	13
Parts List.....	14-16

About this Manual:

READ ME FIRST!

This manual contains all the information you need to properly unpack, operate and maintain your Laminator. Before unpacking your laminator we suggest you read and follow the manual step by step. It contains essential information about each and every facet of your laminator. Pay special attention to the work environment and safety precautions necessary for your laminating unit.

Please pay special attention to particular notes and caution statements. These comments alert you to information that we feel essential to operator Safety and damage prevention to the laminator.

Copyright Information:

IMPORTANT: This manual is copyright protected by D&K Group Inc. in accordance with the laws and requirements of the United States Government. Any reproduction of this manual, in part or in full, without the written permission of D&K Group Inc. constitutes a violation of the U.S. copyright laws and is subject to prosecution.

Introduction

Thank you for purchasing a EXP 42" Pouch laminator. We have designed the EXP 42" Pouch to give you years of reliable service. As you become familiar with the EXP 42" Pouch, you will appreciate the high quality of its production and the excellence in its engineering design.

By following the guidelines outlined in this manual for proper care and use of the EXP 42" Pouch laminator, you can depend on many years of trouble-free profitability from your investment.

The purpose of this manual is to outline the materials and process when using SuperStick® supplies with your laminator to create signs, displays, and flexible graphics with professional results. The manual includes instructions of various laminating procedures, which are meant to give you comprehensive information needed for the efficient use of your laminator.

Statement of Intended Use

The EXP 42" Pouch laminator has been designed to be used with SuperStick® Pouch Boards and SuperStick® Flexible Pouches. When used with these products, you are able to mount, mount and laminate, and encapsulate prints in one step.

Safety Precautions

WARNING: Please review the following safety precautions before unpacking your new laminator.

When using electrical appliances, basic precautions should always be taken to reduce the risk of electrical shock and injury to persons, including the following:

- Read all instructions before connecting or operating this unit.
- Retain this Owners Manual for future reference. For technical assistance beyond what is covered in this manual contact Technical Service.
- **SAVE YOUR CARTON!** EXP 42" Pouch laminators are shipped in special cartons that protect them from damage. Please store your carton in case your Laminator should ever require service or need to be transported. (*see warranty limitations*)
- Do not use the laminator for anything other than its intended use.
- The laminator case may be cleaned with a lint-free cloth, lightly dampened with a mild soap and water solution. Do not use spray-on cleaners.
- Do not immerse any part of the laminator in water or any other liquid.
- This unit should be situated away from heat sources such as heat registers or stoves.
- The laminator's location or position should not interfere with its proper ventilation. Do not install or place in a built-in enclosure such as a bookcase.
- Do not operate the laminator with a damaged cord or plug, or after the laminator has been dropped or damaged in any manner. Return the laminator to your dealer for examination, repair or adjustment.
- Do not let the cord hang over the edge of a counter or touch hot surfaces.
- Always unplug the laminator when it will not be in use for a long period.
- A socket-outlet shall be installed near the equipment and shall be easily accessible.

Save these instructions

Understanding Your Laminator

The EXP 42" Pouch Laminator is a professional laminator designed for ease of use. The process temperature has been preset to eliminate operator guesswork. The factory settings will facilitate good quality results using SuperStick® brand Flexible Pouches and Pouch boards. The EXP 42" Pouch can handle Flexible Pouches and Pouch boards up to 42 inches wide and ½" thick.

Unpacking, Setup and Installation

1. Open the box and lift the machine out (at least two persons necessary!). Grasp the machine 8-10" (200mm-250mm) from either side.
2. Place the machine on the work area described in the previous page.
3. Remove the protective sheet, placed between the rollers. To do this: pull the knob fully outward (located on the left side of the machine) and rotate clockwise.
4. Inspect the machine for any physical damage (if damage does exist, report this to the Freight Company or Dealer to file a claim.)
5. Plug the power cable into the grounded outlet with appropriate service as described in the previous page.
6. Wait 10-15 minutes to allow the unit to achieved operating temperature.
7. When the (heat) LED is blinking, you are ready to use your EXP 42" Pouch laminator.

NOTE: Set the nip to a position other than fully closed when not in use.

NOTE: The laminator may emit steam the first few times it is used. There is no need for alarm. This is normal (relates to the lubrication system) and will cease after several minutes of use.

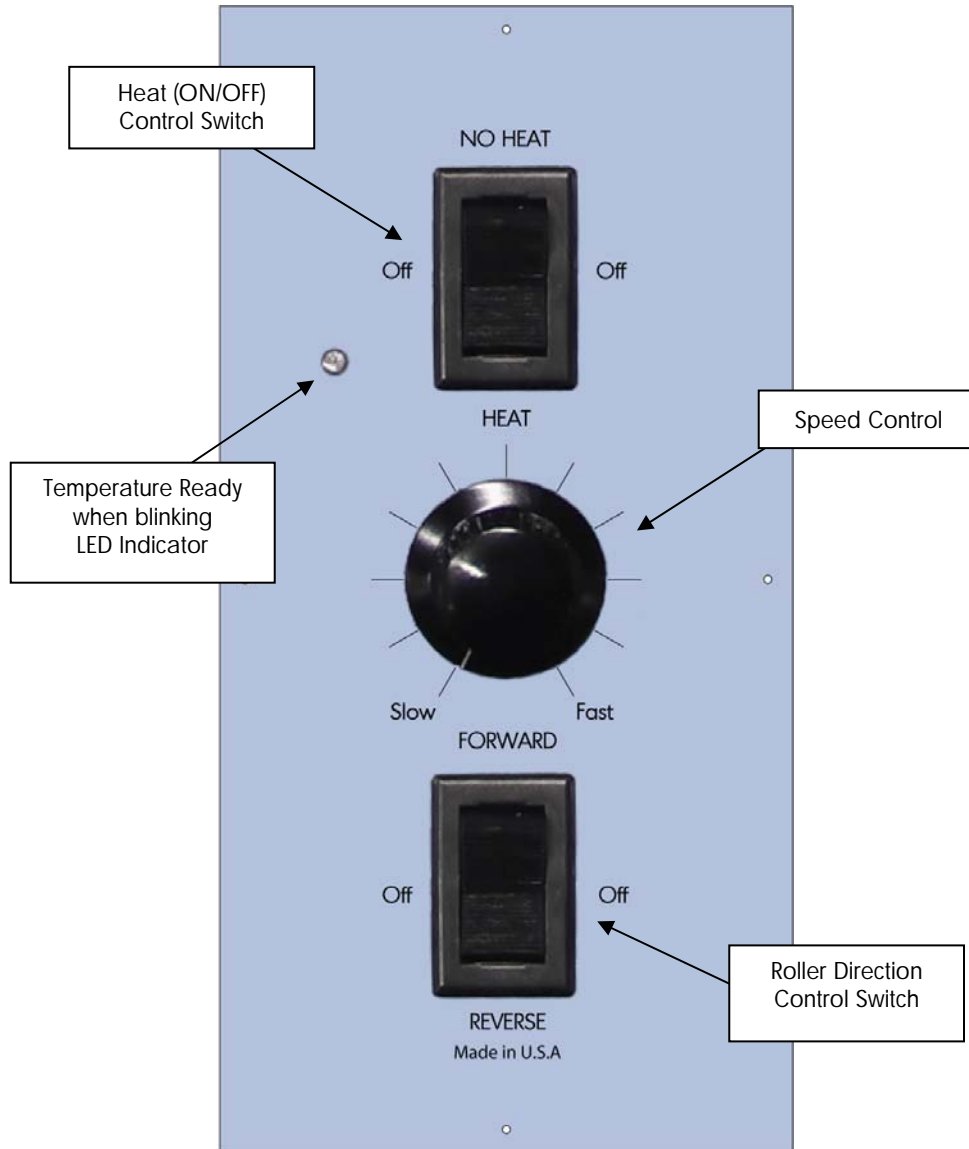
Control Panel

LED Design

The LED light indicates the status of heat on or off and whether the machine is at the appropriate temperature. Please see below for the definitions of the LED status lights.

Switch Design

The switch controls whether heat is on or off and the direction the rolls turn. Please see below for detailed instructions.



Nip Adjusters

The Nip Adjusters are Located on the left hand side of the laminator and is operated from the front of the machine.

The Nip Adjusters are used to adjust the height of the rollers.

To Operate the Nip Adjusters:

- Grasp it with your left hand and pull out approximately 1/4" (6mm) to the left.
- Once the knob has disengaged from the stop, it may be rotated forward or backward (clockwise or counter-clockwise, as viewed from the left hand side of the unit).



To Set the Height of the Rollers:

- Continue to rotate the Nip Adjusters until the desired measurement corresponds with the indicator of the knob.
- Select the measurement that indicates the thickness of the material you will be using with the machine.
- Release the knob so that it moves back to the right and clicks into place, this will set the rollers for use.
- The measurements on the knob, 1/2", 1/4" (6mm), 3/16" (5mm), 1/8" (3mm) and 1/16" (1.5mm) correspond to board thickness'.
- For additional pressure, stop control knob between indicated thicknesses. There is also a fully closed stop, 0" (0mm) for film pouch applications.

Mounting using SuperStick Pouch Mounting System

Step One

Insert your print into the SuperStick Mounting & Laminating Pouch.



Step Two

Place the SuperStick Pouch on the surface of virtually any rigid substrate or foam board – NO ADHESIVE NECESSARY!



Step Three

Pass the SuperStick pouch and board combination through the SuperStick heated roll laminator. It comes out done!



Step Four

Display your finished product. That's it!



Mounting using a Superstick® Mounting Board:

1. Refer to the instruction sheet packed with each box of SuperStick® Mounting Boards for specific instructions on mounting with a SuperStick® board.
2. Also, refer to the instruction sheet for information on Compatible Media, Process Conditions, and Technical information.
3. Place the image to be mounted on the adhesive coated side of the mounting board (dull side of the board). Cover your print with the “cover sheet” as marked (included with each box of SuperStick® Mounting Boards). Please be sure that the board is completely covered by this sheet
4. Insert the board into the inlet opening. Ensure the board will enter centered and straight. A gentle push may be required to start the board into the machine. Hold the edges of the board until it is engaged in the unit and the laminator begins pulling the board on its own.

The board will feed through the laminator and automatically exit at the rear of the unit. ***THE BOARD WILL BE HOT!*** Allow it to lie flat while cooling.

Mounting and Laminating using a SuperStick® pouch board:

1. Refer to the instruction sheet packed with each box of SuperStick® pouch boards for specific instructions on mounting/laminating with a SuperStick® board.
2. Also, refer to the instruction sheet for information on Compatible Media, Process Conditions, and Technical Information.
3. A SuperStick® Pouch Board consists of a foam mounting board with a piece of film on top. The film is sealed to the board along one side of the shorter sides.
4. Carefully examine the board, determine which edge is sealed. There is a 1/8" tape edge on the sealed end.
5. Starting at one of the corners opposite the sealed edge, gently lift and peel back the film. Care should be taken not to break the sealed hinge.
6. Center the image to be laminated on the board and lay the film back over it.
7. Cover your print with the cover sheet packed in each box as marked. This is required on thick papers to prevent adhesive from sticking to the rolls.
8. Set the control knob to the correct setting that matches the pouch board thickness.
9. Slowly insert the pouch board into the inlet opening. Ensure that the pouch board will enter centered and straight. A gentle push may be required to start the board into the machine. Hold the edges of the pouch board until it is engaged and the laminator begins pulling on its own.
10. The pouch board will feed through the laminator and automatically exit at the rear of the unit.
11. Support board as it exits the machine to keep heated board from curling down.
12. ***THE POUCH BOARD WILL BE HOT!*** Allow it to lie flat while cooling.
13. If there is any dirt or adhesive on the surface of the board, it can be removed by dampening a lint free cloth with Poly-Off and wiping the surface.

Encapsulating with a SuperStick® Flexible Pouch using a SuperStick® Sled or release board:

1. Refer to the instruction sheet packed with each box of SuperStick® Flexible pouches for specific instructions on encapsulating.
2. Also, refer to the instruction sheet for information on Compatible Media, Process Conditions, and Technical Information.
3. The Flexible Pouch consists of two pieces of film that are hinged at one end, along a short side. Separate the two pieces starting at the end opposite the hinge. Take care not to break the hinged seal.
4. Insert the article to be laminated in the pouch so there is at least a 1/8" (3mm) border around each of the sides. This ensures that moisture never reaches the image.
5. Place the pouch with the image on the release carrier board included with the flexible pouches or SuperStick® sled carrier. The SuperStick® sled is carrier board to assist in the handling of large Flexible Pouches. It is made of materials that will not damage or cause excessive wear to the EXP 42" Pouch Laminator). Smooth out any wrinkles with the side of the hand or a soft, flexible squeegee.
6. Better results may be achieved by taping the leading edge of the pouch to the sled using masking tape.
7. Adjust the Control Knob to the 3/16" setting for the SuperStick® Sled or 1/16" for the release carrier board to accommodate its thickness. Be sure that the heat is on, the middle LED indicator is on and the bottom LED is constantly on.
8. Slowly insert the sled or release carrier board with the Flexible Pouch on top into the inlet opening. Ensure that the sled or release board is centered and straight. A gentle push may be required to start the sled or release board into the machine. Hold the edge of the sled or release board until it is engaged and the laminator begins pulling it on its own.
9. The sled or release board will feed through the laminator and automatically exit at the rear of the machine.
10. ***THE SLED or RELEASE BOARD WILL BE HOT!*** Allow it to lie flat and cool before removing the tape.
11. If there is any dirt or adhesive on the surface of the board, it can be removed by dampening a lint free cloth with ISO Propyl Alcohol (IPA) and wiping the surface.

Cleaning Your EXP 42" Pouch Laminator

The laminator may be cleaned with a lint free cloth, lightly dampened with a mild soap and water solution. Do not use spray-on cleaners. Do not immerse any part of the laminator in water or other liquid.

Cleaning the rollers with Poly-Off Cleaners & Erasure

1. Remove Poly-Off kit from Packaging.
2. Place Latex gloves over hands for protection.
3. Pour required amount of Poly-Off to sponge and/or abrasive brush.
4. Scrub affected area until all debris has loosened.
5. Wipe clean with towel or cloth material.
6. Place Poly-Off kit back in packaging for storage.



Note: The poly-off cleaning kit is not standard with the laminator. Order part# 221065

Specifications

Capacity.....	42"
Height	15"
Width.....	57"
Length.....	16"
Net Weight	125 lbs.
Shipping Weight.....	175 lbs.
Electrical	110v 20A

Technical Service:

There are no end user serviceable parts in the EXP 42" Pouch Laminator! If the machine does not reach temperature or you do not get the results you desire, please contact D&K Group Inc. Your machine is covered by a Full One-Year Warranty as described in this manual. Contact D&K Group Inc. for warranty and chemical related questions.

Terms & Conditions

Dealer, warrants to the original consumer purchaser that each new SuperStick 62" Plus Laminator which proves defective in materials or workmanship within the applicable warranty period will be repaired or, at our option, replaced without charge upon its return as outlined below. The applicable warranty shall be one year from date of purchase with 12 months parts, 6 months labor and 3 months limited warranty on the rollers. "Original consumer purchaser" means the purchaser who first purchased the product covered by this warranty other than for purpose of resale.

Liability for breach of any warranty express or implied shall be limited to the repair or replacement, at dealer, option, of the defective item. Dealer shall not be liable for damages arising out of, or in connection with the use or performance of any SuperStick® product. Any implied warranty shall be limited in duration to the duration of this warranty. Some states do not allow limitations on how long an implied warranty lasts for the exclusion or limitation of consequential damages, so the above limitation may not apply to you.

There are no consumer serviceable parts in the EXP 42" Pouch Laminator. If you require service under this Warranty, contact your dealer to obtain Return Authorization (RA), pack the product in its original packaging (or request the same from Technical Service when requesting the RA), and include a description of the malfunction and proof of date of purchase. Technical Service will arrange for the EXP 42" Pouch Laminator to be picked up by a freight company. Failure to return in original packaging could void this warranty.

The Warranty extends to and is enforceable only by the original consumer purchaser, and only for the period which the product remains in the possession of the original equipment purchaser. This Warranty does not cover any defect or malfunction due to the use of faulty non-SuperStick® 42" Pouch Laminator materials, unreasonable use or abuse of the machine, or failure to provide reasonable and necessary maintenance. This Warranty gives you specific legal rights and you may have other rights, which vary, from state to state.

Parts List for the EXP 42" Pouch Laminator			
Part Number	Description line 1	Description line 2	Qty Req'd.
A4510	10-32 X 1" SOCKET CAP SHOULDER	SCREW	2
A5511	2002DIGITAL DRIVE SWITCH-BEZEL		2
BSH0290	Brass Washer TT504	1/4"ID x 1/2"OD x 1/16"	0.00001
ELC0870	KNOB - POT		1
EXP287	Label Pinch Point	9295602	1
EXP288	Label Disconnect Power	9295671	1
EXP290	Label Hot	9295596	1
GRD0530	Handle - Guard		1
HTE0150	TRIAC		1
LSW0250	Holder Lap Switch LED		1
600045	SCREW,10-32 X 3/8 SHC		1
600080	SCREW,10-32 X 1-1/4 SHC		2
600194	SCREW, 5/16-18 X 3 3/4 SHC		4
600345	SCREW,10-32 X 1/4,SET CONE PT		1
600422	SCREW,5/16X1/2,SHOULDER,1/4-20		2
600630	SCREW,8-32X1/2 BUTTON HEAD		2
600715	10 X 1/2 PAN PHIL. T/S-B(ZINC)		17
600716	10 X 3/8 PAN PHIL. T/S-B(ZINC)		5
600745	SCREW,1/4-20X1/2 BUTTON HEAD		8
600964	SCREW,1/4-20X2-1/4 SHCS		1
600967	SCREW,1/4-20X1-1/4 BH HEX		4
601100	SCREW,6-32X1/4 PAN HEAD		2
601115	SCREW,8-32X1/4 PAN HEAD		6
601130	SCREW,8-32X5/8 PAN HEAD		4
601156	10-32X1/4 PH ZINC PLATED		8
601215	SCREW,4-40X1/4 PAN HEAD,	PHILLIPS W/PATCH	2
604410	DOME HEAD RIVET,1/8X.299X.25H		44
604430	RIVET GSMD44S POP SD44BS		6
604465	RIVET,SD64BS,"POP" BRAND		10
610411	1/8 KEYSTOCK 1" LG		1
610700	CUSTOM BRACKET 8-32		20
610701	LOWER GUARD MOUNTING BRACKET		2
611020	SCREW,6-32X3/8" W/PATCH PHIL	PAN HEAD	1
611054	SCREW,6-32X5/8 MACH.PAN PHILLI	PS HEAD	2
620112	STRAIN RELIEF,HEYCO 3213/3		1
652822	OPERATION MANUAL,EXP42POUCH	LATEST REVISION IS 01	1
652983	Box, Expressions 42 Pouch	65x22x22	1
652988	Skid Expressions 42 Puoch	72 x 30	1
654086	BUSH 1/2X3/4X1/2 FLANGE BRONZE		2
707210	SOLID STATE RELAY MOUNTING PLT	EXP42POUCH 3/16 X 2 ALUM	1
707340	CAM, 1.750 EXP42PRO PLUS	1.750 CAM STEEL	2
707341	CAMSHAFT, EXP42PRO PLUS	FOR 1.750 CAM	1
707343	GAP ADJUSTMENT HANDLES		1
707344	GAP ADJUSTMENT GEAR		1
707347	STOP RACK GAP ADJUSTER		1
707348	STOP RACK MOUNT		1
707554	BASE CHANNEL SUPPORT,40" INDRL		4
707590	42" 3" OD EXTRUDED RUBBER ROLL	USE 707591 EXTRUSION FOR CORE	2
707599	LOWER HOUSING EXP42POUCH		1
707600	UPPER REAR GUARD EXP42POUCH		1

707601	UPPER FEED GUARD EXP42POUCH		1
707606	LOWER FEED GUARD EXP42POUCH		1
707608	SWITCH MOUNT PLATE EXP42POUCH		1
707638	LEFT SIDE COVER EXP42PRO POUCH	EXP42 POUCH LEFT COVER	1
707639	RIGHT SIDE COVER EXP42 POUCH	EXP42 POUCH COVER RIGHT SIDE	1
707691	LOWER CONNECTOR, FRONT 3" ROLL	EXP42 PRO PLUS FRONT LOWER	2
707692	UPPER CONNECTOR FRONT 42 PLUS		2
707707	SIDEPANEL,COMMON EXP42POUCH		2
707708	1/2" SPACER FEED GUARD		4
707709	GUARD PIVOT SHAFT		1
707910	REINFORCING BAR, 40"INDUSTRIAL		2
708147	CLIP, BUSHING RETAINER		2
708149	CLIP, RETAINING RING 1" Dia		2
709540	GAP INDICATOR POINTER		1
709541	GAP INDICATOR RING	ALUM RING FOR LABEL MOUNT	1
709542	GAP INDICATOR LABEL	MOUNTS ON 709541	1
709545	CONTROL LABEL EXP42POUCH	LABEL FOR 707608 PLATE	1
801232	SPROCKET 25B12 .312ID one #8ss	exp42pouch raw mat = 801224	1
801233	SPROCKET,48 TOOTH #25, 1" BORE	WITH TWO 1/4-20 SS MAT SPK1540	1
801923	MOTOR CONTROL, KBIC-11PMCL		1
801939	POWER CORDS 16-3 MILLER #E9006		1
801958	THERMAL CUTOUT,G5A01 216C		2
801987	FUSE HOLDER,PANEL MNT,.25" QCK	CONN TERM	1
801988	FUSEHOLDER, MOLDED BASE		1
802015	HEATER,EXP42POUCH 1400W 120V		1
802102	MOTOR V01925AD83 90V DC		1
802133	BUSH 1X1 1/8X 1 FLANGE		2
802145	PRESSURE SPRING,57 LBS/IN,.48"		4
802166	Phonlic Bush,Rota Elec. THERMO		2
802171	BUSH 1X1 1/8X1/2 FLANGE		2
802176	THERMO END COVER 3" ROLLER	HIGH TEMP INSULATOR 3" ROLLER	4
802180	SPRING, FOR GAP ADJUSTER		1
802247	ROTATING ELECTRICAL CONNECTOR		2
802301	TERMINAL BLOCK 812-4KT73KT74		1
802338	PRESSURE SPRING 71536S		4
802357	THERMOCOUPLE, EXP32/42		1
802448	FUSE,.8A/250V SLO BLO		1
802452	FUSE 20 AMP@250V,1.5"Lx13/32DI		1
908021	CHAIN,EXP42POUCH DRIVE CHAIN		1
911127	TEMP. CONTROLLER EXP42POUCH		1
920029	WIRE ASS'Y,6",BLACK,SEAL		1
920060	WIRE ASS'Y,7",BLACK		5
920063	WIRE ASS'Y,9",BLACK		3
920132	WIRE ASS'Y,19",WHITE,PB-MC		2
920133	WIRE ASS'Y,19",BLACK,PB-MC		1
920150	WIRE ASS'Y,48" BLACK MOTOR		1
920151	WIRE ASS'Y,48" RED MOTOR		1
920152	WIRE ASS'Y,58",BLK		1
920153	WIRE ASS'Y,58", RED FOR SSR		1
920154	WIRE ASS'Y,THERMOCOUPLE EXT 12		1
920161	WIRE ASS'Y,62", BROWN HEAT		1
920162	WIRE ASS'Y,60" BROWN WIRE		1

920163	LED ASSY EXP42POUCH		1
920164	WIRE ASS'Y,WITH 6.8 K RESISTOR		1