

HOT VACUUM PRESS LAMINATION



INTRODUCTION



U.K.

Lion India provides you the entire range of the world's best vacuum lamination from HOT PRESS.

This brochure is a ready reckoner for every established or aspiring studio lab owners or picture framers. There's a handful of tailor-made packages from which you could choose as per your requirement.

The world has left cold lamination far behind and gone ahead with hot lamination. And in this category, we partner the globally known organization like HOT PRESS from U.K. From basic to high end, from economical production to high volume printing - Lamination machine for your every need, you will get in this brochure.

Not only lamination package, this brochure contains 360 degree solution of your return on investment in the lamination industry. There's a complete guide to extend your business with innovative finished products.

Sit back, flip through the pages and select which suits best to your need. Feel free to contact us for inquiry or placing your order.

COMPARISON



Cold Lamination



HOT Lamination

HOT VACUUM LAMINATION VS COLD LAMINATION

Hot Vacuum Lamination Features	Cold Lamination Features	Benefits Of Hot Vacuum Press
1 Photograph/Artwork/Prints can be mounted on to flat & uneven surfaces	Photograph/Artwork/Prints can be laminated and mounted only on Flat surfaces	Allowing greater choice of substrate materials
2 All over laminating films have resistance to UV fading	Little or no resistance to fading caused by UV exposure	Extends life of subject
3 Tendency to extract moisture & can repair creases and folds	Cannot extract moisture	Therefore repairing otherwise unsaleable prints
4 Resistance to humidity because of solvent acrylic adhesive	No resistance to humidity because of water based adhesives	Preventing de-lamination
5 Film can be easily positioned and repositioned before lamination	Positioning or repositioning is difficult	Preventing handling errors & waste
6 Hot lamination is permanent due to the nature of adhesive	Limited life expectancy for cold lamination	Increases indefinitely the life of the subject
7 Specifically developed for photographic & framing industry	Developed for posters, labels & other signage industry products but not for photographic and framing industry	All products are designed for this purpose therefore there is no compromise to quality of the film or adhesive
8 Variety of surface finishes and textures are available due to the heat seal process	Cold lamination is commonly available with no added value	Adding value & variety not available in cold lamination
9 Heat film dust does not attract dust and can be cleared easily if necessary	Cold film has tendency to attract dust easily	Reduce rejection & waste
10 Canvas Bonding is a unique process with the vacuum press	Not possible to do canvas bonding	It adds value and offer high profit yield
11 All surfaces including dark surfaces can be confidently laminated with perfect results	Cold lamination on dark surface initially has silvery appearance	Work can be performed immediately, knowing that the appearance and result will be perfect
14 Pre-pierced films and the Heat seal process combined let all trapped air to escape	Incorrectly applied cold lamination causes air pockets which cannot be removed	Eliminating rejects and waste protect the original artwork of the customer
15 Large prints and photos can be handled with care due to the dry film and size of the machine	Large format lamination or mounting results / defects due to processing	Easy handling and processing saves time and money and avoid hesitation to take large size jobs.
16 Films and processing allow all types of canvas, fabric and hand woven embroidery work to be successfully mounted	Canvas fabrics and handwoven embroidery can not be mounted	Offer additional services and versatility

17	Mounting and laminating can be performed in one operation	Mounting and laminating can not be done simultaneously	Saves time and money and improves efficiency and quality
18	Range of Archival films suitable for vacuum press	Not suitable for archival (a) Adhesive can have acidic values (b) Non reversible	All adhesives are ph neutral and therefore are safe. Certain mounting materials do offer reversible process
19	Variety of tissue and film is available to suite many different materials and substrates is one cycle	Generally only one type of film used for mounting	Offers additional service and versatility.
20	Due to the unique vacuum process and size multiple lamination is easily done in one cycle	Multiple lamination is not possible in cold lamination	Saves time, money and labour cost
21	Hot processing does not require constant attention of the worker during the process	Cold lamination is very intensive and time consuming	Allowing greater utilization and flexibility of worker's time. No dedicated worker is required to operate the machine

EXTRA BENEFITS OF HOT PRESS

- Unique patented glass top press
- Allows even spread of heat and guarantees quality of lamination
- Digitally controlled Heat & Time settings
- Make operation & setting of the machine easy and simple without the need of skilful training
- Dry lamination process is effective clean and requires no chemical or wet adhesive

HOTPRESS MACHINE INTRODUCTION



Available in sizes:

HGP-110 (17"x 21")

HGP-220 (25"x37")

HGP-260 (35"x47")

HGP-360 (42"x67")

HGP-560 (50"x98")

Hot Press - the revolutionary vacuum press lamination machine.

HEATSEAL lamination - Over artwork with heat-activated films is often referred to as heat sealing. Because many people never consider the true benefits of heat-seal lamination, it is often overlooked as a method of protecting and enhancing artwork...and indeed as a way to increase revenue.

SURFACE PROTECTION - MOISTURE RESISTANT-ADDED VALUE-FADE RESISTANT- UNBREAKABLE - SPECIAL APPLICATIONS-PROFITABILITY - LIGHTWEIGHT

For people who are charged with handling other peoples precious artwork, it is reassuring to know that the Hot Press range has everything to offer for perfects results – every time. The presses are widely regarded as the industry standard for the picture framing industry.

For anyone who is producing their own printed work - hot press system – will enhance the possibilities for print presentation. Whether it is coating inkjet canvases for the ultimate protection & ease of cleaning, or producing stunning plaque – Hot Press have all the equipment & materials to take your prints to the next level.

VACUUM LAMINATION MACHINE



HOT PRESS STAND



*1 INCH = 25.4 MM TECHNICAL DETAILS OF HOTPRESS						
MODEL		HGP-110	HGP-220	HGP-260	HGP-360	HGP-560
OVERALL SIZE	INCH	21 X25	29 X41	39 X 51	47 X71	56 X 103
DIAPHRAGM AREA	INCH	17 X 21	25 X 37	35 X 47	43 X 67	50 X 98
TIME TO VACUUM	SEC	10	20	20	30	30
TIME TO TEMPERATURE	MINS	3	12	12	12	15
POWER		2.7 KW	2.3 KW	2.5 KW	4.2 KW	5.75 KW
CURRENT (Amps)		12A	10A	11A	18A	25A

PACKAGE 1

For Photo Studios & Framers

HGP - 110

CODE NO.	DESCRIPTION	ITEM
2341	HGP 110' 17" X 21" HOT GLASS VACUUM PRESS	MACHINE
H4037	UNIMOUNT DRYMOUNT TISSUE 1040mm X 50mtr	FILM ROLL
L1318	UV GLOSS LUSTRE 1040mm X 50mtr.	FILM ROLL
L1448	UV SATIN MATT 1040mm X 50mtr.	FILM ROLL
2341-S	HOT PRESS STAND HGP 220	ACCESSORIES

PACKAGE 2

For Medium size Studios
and Framing Gallery

HGP - 220

CODE NO.	DESCRIPTION	ITEM
2344	HGP 220' 25" X 37" HOT GLASS VACUUM PRESS	MACHINE
H4037	UNIMOUNT DRYMOUNT TISSUE 1040mm X 50mtr	FILM ROLL
L1318	UV GLOSS LUSTRE 1040mm X 50mtr.	FILM ROLL
L1448	UV SATIN MATT 1040mm X 50mtr.	FILM ROLL
2344-S	HOT PRESS STAND HGP 220	ACCESSORIES

PACKAGE 3

HGP - 260

For Medium size Colour Labs and Framing Gallery

CODE NO.	DESCRIPTION	ITEM
2343	HGP 260 35" X 47" HOT GLASS VACUUM PRESS	MACHINE
H4037	UNIMOUNT DRYMOUNT TISSUE 1040mm X 50mtr	FILM ROLL
L1318	UV GLOSS LUSTRE 1040mm X 50mtr.	FILM ROLL
L1448	UV SATIN MATT 1040mm X 50mtr.	FILM ROLL
2343- S	HOT PRESS STAND HGP 260	ACCESSORIES

PACKAGE 4

HGP - 360

For Colour Labs & High end Art Gallery

CODE NO.	DESCRIPTION	ITEM
2342	HGP 360 43" X 67" HOT GLASS VACUUM PRESS	MACHINE
H4037	UNIMOUNT DRYMOUNT TISSUE 1040mm X 50mtr	FILM ROLL
L1318	UV GLOSS LUSTRE 1040mm X 50mtr	FILM ROLL
L1448	UV SATIN MATT 1040mm X 50mtr	FILM ROLL
2342- S	HOT PRESS STAND HGP 360	ACCESSORIE

ESSENTIAL FILMS

CODE NO.	DESCRIPTION	ITEM
L 1674	UV SAND TEXTURE 650mm X 25mtr.	FILM ROLL
L 1518	MATT FILM 1040mm X 50mtr	FILM ROLL
L 1713	CANVAS TEX FILM 650mm X 25mtr.	FILM ROLL
L 1500	POLYSTER GLOSS FILM 1040mm X 25mtr	FILM ROLL
C 2548	SUPER WHITE COTED CANVAS COARSE 1270mm X 10mtr	CANVAS ROLL

JETMOUNTER™26

MOTORIZED TABLE-TOP LAMINATOR Pressure Sensitive Machine



MAX LAMINATING WIDTH: 26.25" (667MM)
MAX NIP OPENING: 0.75" (19MM)
WEIGHT: 53LBS (24KG)
WIDTH: 33.25" (845MM)
DEPTH: 12.2" (310MM)

HEIGHT: 12.3" (312.5MM)
ROLLER DIAMETER: 2.5" (63.5MM)
SPEED RANGER: 2.5-10FPM (76-305CM/MIN)
POWER: 230VOLTS 50/60HZ 50W

CODE NO.	DESCRIPTION	ITEM
2346	JET MOUNTER™ MOTORIZED TABLE TOP LAMINATOR (26")	MACHINE
L 1504	DOUBLE SIDED FILM 650mm X 25mtr	FILM ROLL
L1509	NATURAL LEATHER 190 MICRON 1300mm X 50mtr	FILM ROLL
L 1505	STEEL 90 MICRON 635mm X 25mtr	FILM ROLL
L 1503	TRANSPARENCY MOUNT FILM FYNART™ 650mm X 25mtr	FILM ROLL

TIME & TEMPERATURES FOR HEATSEAL OVER-LAMINATING FILMS USED IN A GLASS TOP VACUUM PRESS

	254 x 305mm	305 x 406mm	406 x 508mm	508 x 762mm	762 x 1016mm	1016 x 1524mm
Gloss Lustre	5	5	6	7	8	10
H/D Gloss Lustre	9	9	10	11	12	14
Satin Matt	5	5	6	7	8	10
Matt	8	8	9	10	11	13
Sand Texture	9	9	10	11	12	14
Fine Linen	9	9	10	11	12	14
Coarse Linen	9	9	10	11	12	14
Canvas Texture	15	15	18	19	20	22
Polyester Gloss	4	4	5	6	7	8
Dry Mount	4	4	5	5	6	6

WOODEN PLAQUE

PRESERVE YOUR MEMORIES WITH OUR LAMINATION PROCESS

WOODEN PLAQUE WITH METAL ROD



- ❑ Color black ■■■
- ❑ Both landscape & Potrait
- ❑ With Metal rod
- ❑ 2 key hole hanger
- ❑ Bevelled edges

Item Code	Size	Qty per Box (Pcs)
WP0203	2" X 3"	360
WP0304	3" X 4"	240
WP3505	3.5" X 5"	150
WP0406	4" X 6"	100
WP0507	5" X 7"	100
WP0575	5" X 7.5"	100
WP0608	6" X 8"	80
WP0609	6" X 9"	80
WP0810	8" X 10"	40
WP0811	8" X 11"	40
WP0812	8" X 12"	40
WP1012	10" X 12"	40

WOODEN PLAQUE WITHOUT METAL ROD



- ❑ Color black ■■■
- ❑ Both landscape & Potrait
- ❑ 2 key hole hanger
- ❑ Bevelled edges

Item Code	Size	Qty per Box (Pcs)
WP1014	10" X 14"	20
WP1015	10" X 15"	20
WP1215	12" X 15"	20
WP1216	12" X 16"	20
WP1217	12" X 17"	20
WP1218	12" X 18"	20
WPA4 A4	11.8" X 8.3"	40
WPA3 A3	16.6" X 11.8"	20
WP1224	12" X 24"	10
WP1030	12" X 30"	10
WP1236	12" X 36"	10
WP1620	16" X 20"	10

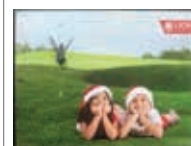
WOODEN PLAQUE WITHOUT METAL ROD



- ❑ Color black ■■■
- ❑ Both landscape & Potrait
- ❑ 2 key hole hanger
- ❑ Bevelled edges

Item Code	Size	Qty per Box (Pcs)
WP1624	16" X 24"	10
WP1824	18" X 24"	10
WP2024	20" X 24"	10
WP2030	20" X 30"	10
WP2436	24" X 36"	10

WOODEN PLAQUE WITH CLOCK



- ❑ Color black ■■■
- ❑ Both landscape & Potrait
- ❑ With Metal rod
- ❑ 2 key hole hanger
- ❑ Bevelled edges

Item Code	Size
CLK001	6" X 8"
CLK002	8" X 10"
CLK003	10" X 12"
CLK004	4" X 12"
CLK005	4" X 18"

- ◆protects from moisture,heat & dirt ◆resist scratching
- ◆non reflective ◆safe-no glass ◆special ultraviolet protected
- ◆inhibitor reduces fading ◆cleans easily with water

Specifically Designed for Photo Prints & Digital photo.
Wooden plaque is suitable for Photograph, Prints, posters, drawings & certificates...

Each wooden Plaque is pre- sized to fit the regular size print/photograph and we can also produce special customised sizes.

VALUE ADDED PRODUCTS

USING HOT PRESS / JET MOUNTER MACHINE

ACRYLIC PLAQUE



Acrylic Plaque of 6x4" & 5x7"

PENCIL MUG



Wooden Pencil Mug

COASTER



Coaster with Stand and without Stand of 3.5x3.5" & 4.5x4.5"

PERSONALISE PRODUCT

TABLE MAT



Table Mat of 12x9" & 17x11" with Cork Sheet

LUDO



12x12" Ludo Personalised

NAME PLATE WITH METAL ROD



Name Plate with Metal Rod of 3x12", 4x12" & 4x18"



Personalised Album Cover

MORE CREATIVE IDEAS



Pencil Box Personalised



Personalised Clipboard



6x4" Photo Frame with Pencil Mug



Collage of 8x6in Clock with 8 pc of 2x3in & 4 pc of 3x4in



10x10 " Clock with Acrylic with Frame



12x4" Clock with Acrylic on Wooden Plaque



12x16" personalised Tray

MORE CREATIVE IDEAS



10x8" Wooden Plaque
with 2pc of
6x4" Glass Plaque



8x10" Wooden Plaque
with 6x8" Glass Plaque



12 x 24" Collage on
Wooden Plaque



Collage of 3pc 3x4"
Wooden Plaque



Collage of 10x8" Wooden
Plaque with 4 no. of 3x2"
Wooden Plaque



6x8" Certificate Frame
with base



6x4" Clock with
4x4" Photo Frame



8x8" with Frame Base



Collage of 9 pcs with MDF



Collage of 5 pc 3x4" Wooden
Plaque



Collage of 12x8" Wooden
Plaque with 8 no. of 3x2"
Wooden Plaque



Collage of 10x8" Wooden
Plaque with 4 no. of 3x2"
Wooden Plaque

TECHNICAL SPECIFICATION

HOW TO USE HEAT ACTIVATED MOUNTING TISSUES AND FILMS

Step 1 - Set your press for the correct temperature (usually 90 °C) and allow it to warm up. Once the press has warmed up, pre-press your substrate or artwork if required.

Step 2- Cut the adhesive to size (normally 5mm (1/4") bigger than the artwork)
Cut the substrate to size (normally 25mm (1") bigger than the artwork)

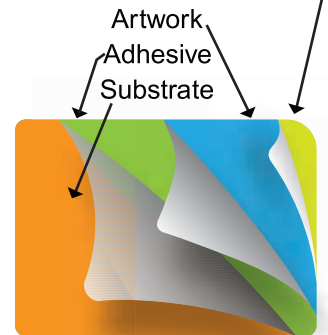
Step 3 - place the assembled job in the press and pressing it for two or three minutes.

Remember to let it cool down again after the drying process has been completed

Make sure you have silicone release film or paper available to cover any exposed adhesive areas

When processing has been completed, remove the finished job from the press and leave it to cool on a flat surface. Your dry mount is now complete.

Silicone Release Film or Paper



[The assembly should be set up as shown here, from top to bottom]

TECHNICAL SPECIFICATION

HOW TO LAMINATE USING HEATSEAL LAMINATES

Step 1 – Switch on your press and set it to 90°C. While the press warms up, set your timer. More information on processing times for different films is shown in the table on the opposite page. Make sure you have a sheet of silicone release film in the base of the press and a sheet of vacufoam or foam plastic (dependant on machine type) over the silicone release film.

Step 2 – Measure the image to be laminated and cut a piece of heatseal film that is 15mm (1/2") larger than the image all the way round. For a 406mm x 508mm (16" x 20") image, the film should be cut to 432mm x 533mm (17" x 21").

Step 3 – Peel back the release liner of the heatseal film to expose about 25mm (1") of adhesive and firmly crease back the release liner. Place your artwork (face up) on a clean, flat and cool surface and position the film at the edge of the artwork. Move the film around until it completely covers the artwork. The creased release liner will hold the exposed adhesive away from the artwork while you position it. When you are satisfied with the positioning, press the leading edge of exposed film down onto the artwork using very light pressure. Then slowly peel back the release paper, until the entire image is covered by the film. Smooth out any wrinkles, lifting and repositioning the film from the corners if necessary.

Step 4 – Now trim off most of the waste film. Be careful not to trim too close to the image, as the film may shift. Take the heatseal assembly and place it in your press, under a sheet of vacufoam or foam plastic and process it according to the table on the opposite page.

Step 5 – When all the air has escaped from your heatseal assembly and the adhesive has been activated, remove the artwork from the press and allow it to cool thoroughly.

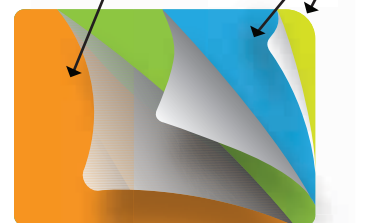
Step 6 – Any remaining film around the edge of the image should now be trimmed away with a straight edge and craft

Foam Sheet

Laminating Film

Print

Silicone Release



[From top to bottom the assembly should be set up as shown here]

TECHNICAL SPECIFICATION

HOW TO LAMINATE USING PRESSURE SENSITIVE LAMINATES :

Before processing, make sure that the image is clean and free of dust or specks of lint (an Anti-Static Wisk is recommended for this purpose).

To prevent adhesives from sticking to the rollers and to provide a reusable, standard working surface, the use of a silicone-coated board (also known as a "Carrier Board") is highly recommended.

Laminating with JetMounter™ Laminators

1. Raise the top roller and insert the Carrier Board. Set roller pressure as described on pages 15-16.

2. Pre-cut a sheet of overlaminating film from the roll. (The sheet should be larger than the image by approximately 1" on each side and bottom, and 2" on the top).

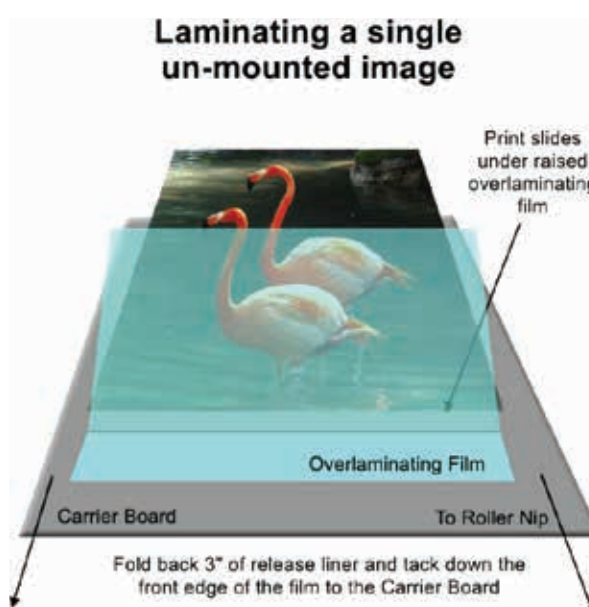
3. Peel and fold back approximately 2" of release liner from the top edge of the overlaminating film. Tack the film on the Carrier Board by pressing the exposed section of film onto the leading edge of the board.

4. Start the Carrier Board into your laminator using the Foot Pedal mode. Stop before the edge of the laminating film reaches the rollers.

5. Lift up the remainder of the overlaminating film (which is still protected by the release liner) and slide the image face up underneath it. Stop before it makes contact with the exposed part of the adhesive. It is important to keep the film adhesive away from the artwork until the whole assembly is under pressure and traveling through the JetMounter™.

6. Lay the laminating film over the top of the upper roller liner with one hand, start the rollers and apply the overlaminating film to the surface of the image. Pull up and away on the release paper as your work piece travels through the laminator does not reach the point where the image makes contact with the top roller with a consistent motion and do not stop until the entire image has passed through the rollers.

7. The laminated image can now be easily removed from the silicone-coated Carrier Board for trimming and mounting.



Mounting Board (Substrate) Selection:

- Foam Boards
- Illustration Board
- Rag Board
- Glass Plaque
- Acrylic
- MDF (medium density fiberboard)
- Corrugated plastic boards
- Rigid Plastic Boards
- Tempered hardboard: Masonite®



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