

International expertise in solvent free &
ECO friendly adhesive technology
Professional PRODUCER in Taiwan for 30
years
OUR BUYERS : ADIDAS, NIKE, FENGTHAI..ETC

KEY PRODUCTS :

HOT MELT ADHESIVE FILMS
INK JET HEAT TRANSFER FILMS

TURNOVER : 3 MILLION USD

EMPLOYEES : 25

STATE OF ART MACHINES :

2 T-DIE EXTRUDER / 1 BLOW EXTRUDER
/ EUROPEAN THICKNESS QUALITY
MEASUREMENT MACHINE & CONTINUE
EXPANSION IN 2020

PRODUCTION CAPACITY:

T-DIE / SHIFT – 40 MICRONS *10,000 M ~
200 MICRONS * 5000 M
BLOWING / SHIFT – 40 MICRONS *15,000
M

OTHERS FACILITY: IN HOUSE OEM
LAMINATION [HTTPS://YOUTU.BE/Q5JUV9W2 BU](https://youtu.be/Q5JUV9W2BU)

INTERNATIONAL R&D EQUIPMENT





Lab Instruments



Heat Press



Programmable Temperature & Humidity Tester



Rotation Rheometer



Melt Index Machine



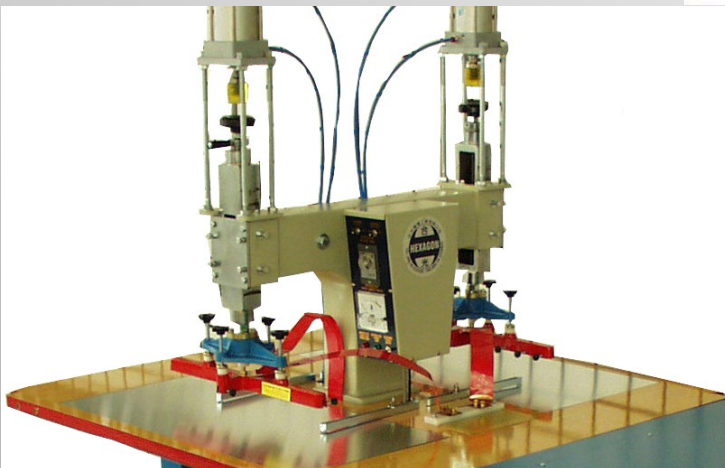
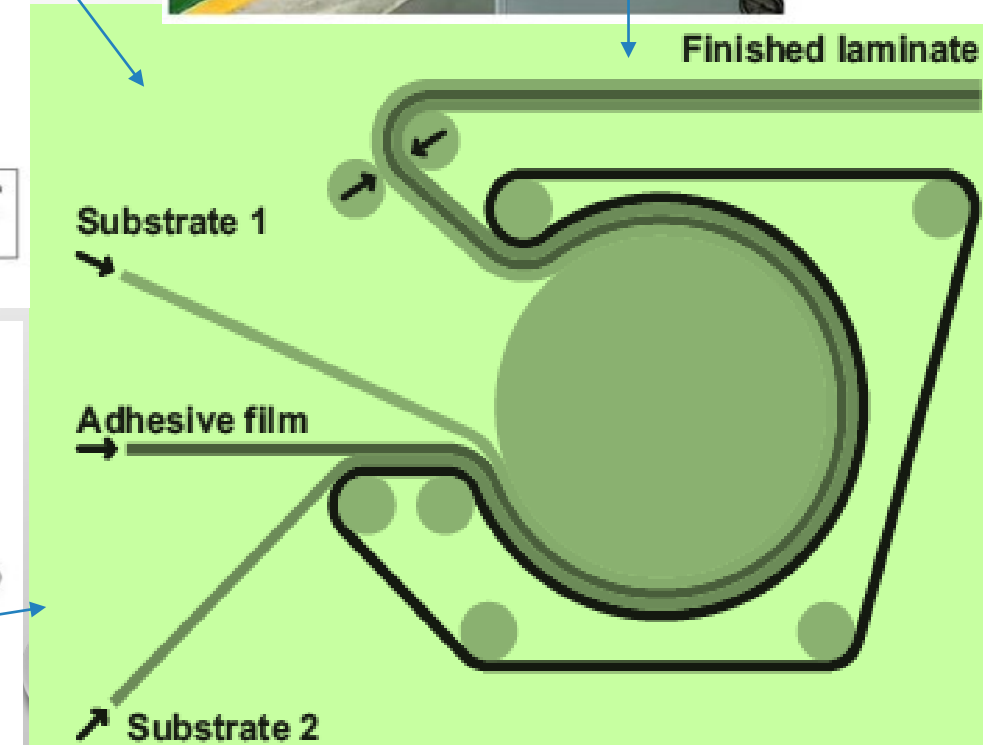
Tensile Machine

TEMPERATURE / TIME / PRESSURE / QUALITY TESTS

SOP

For different materials and different film thickness, the conditions should be adjusted.

COMMON PROCESSING METHODS / CAUTIONS

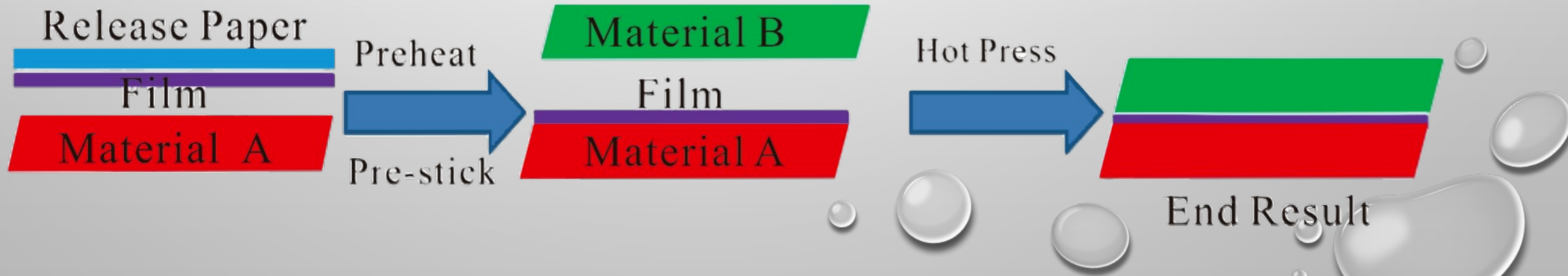




HOW TO SELECT A FILM

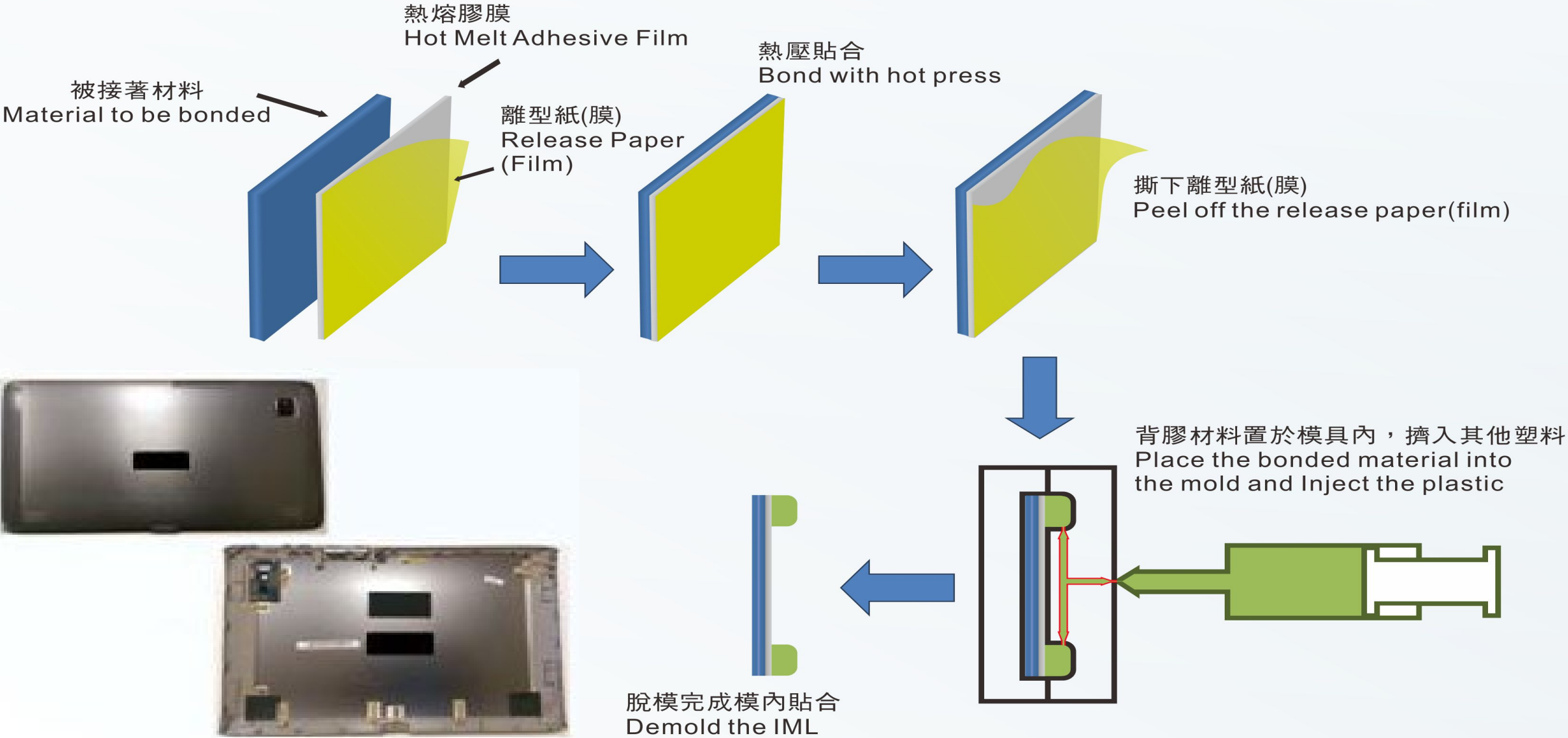
- What material you want to adhered
- With what Operation conditions you are going to work
- What standards are needed to pass
- Material surfaces determines film thickness needed

Hot Melt Film Operation Guide



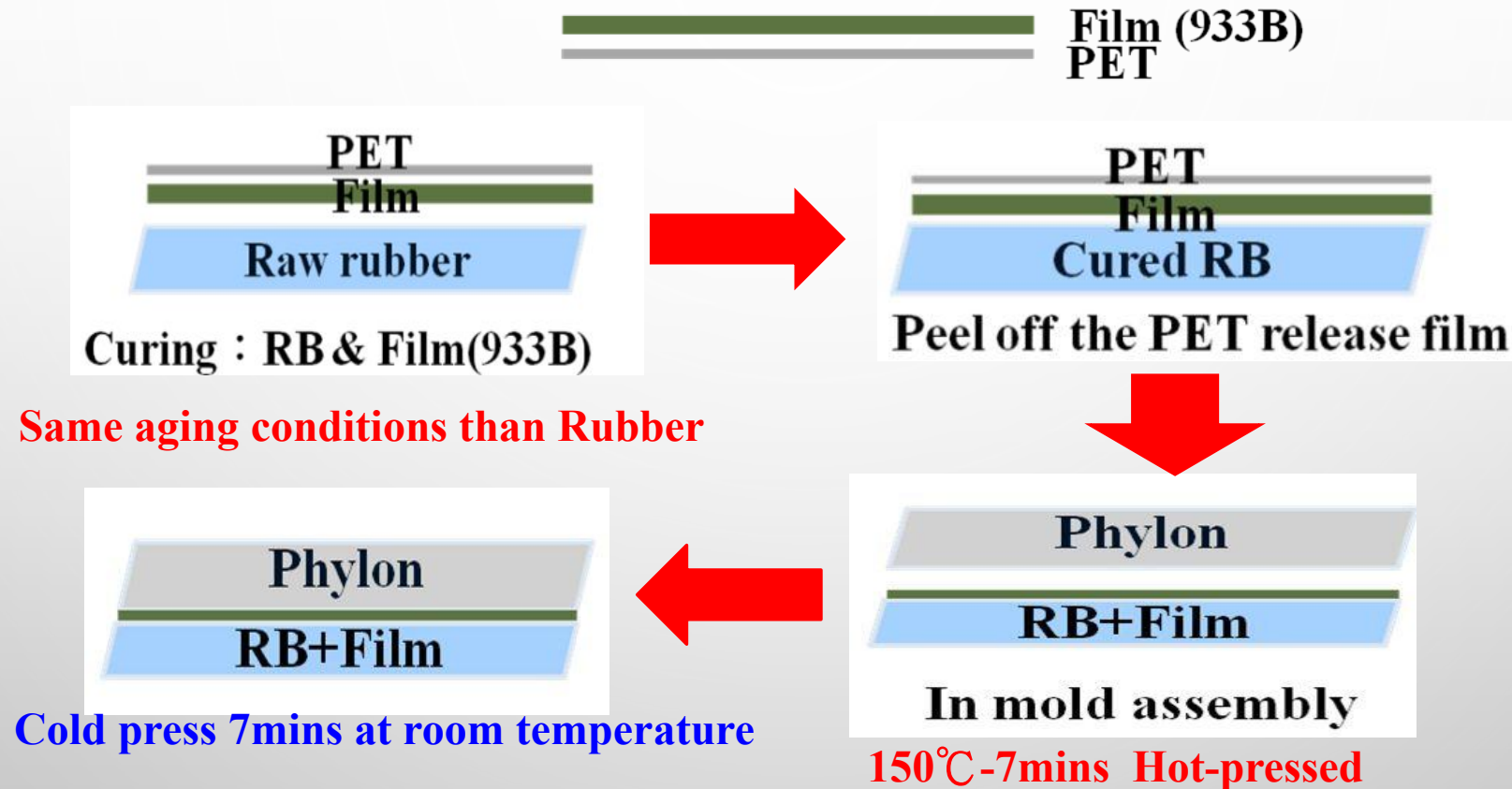
模內貼合 (IML) 操作流程

In-Mold Lamination Operation Procedure





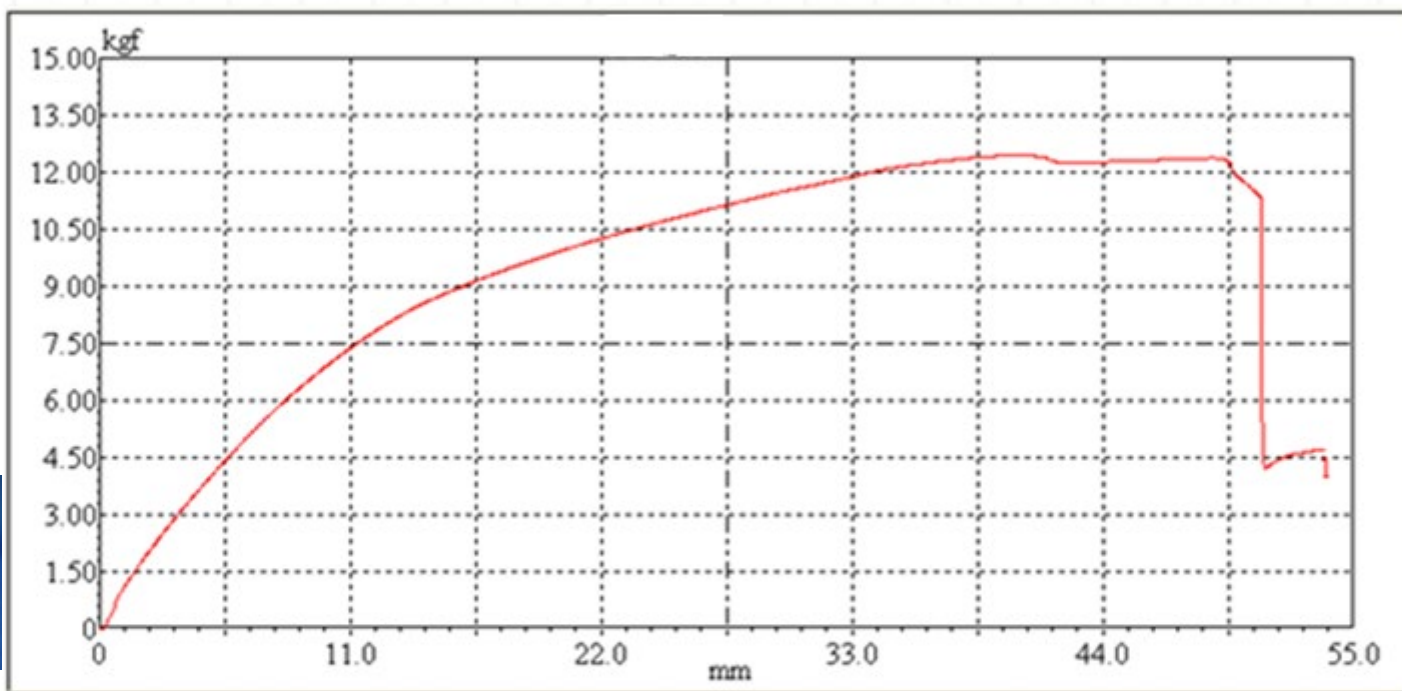
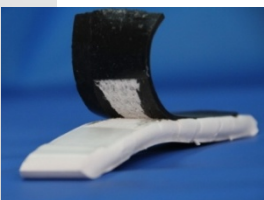
RB v.s. Phylon In Mold Lamination EH-933B Operating Process





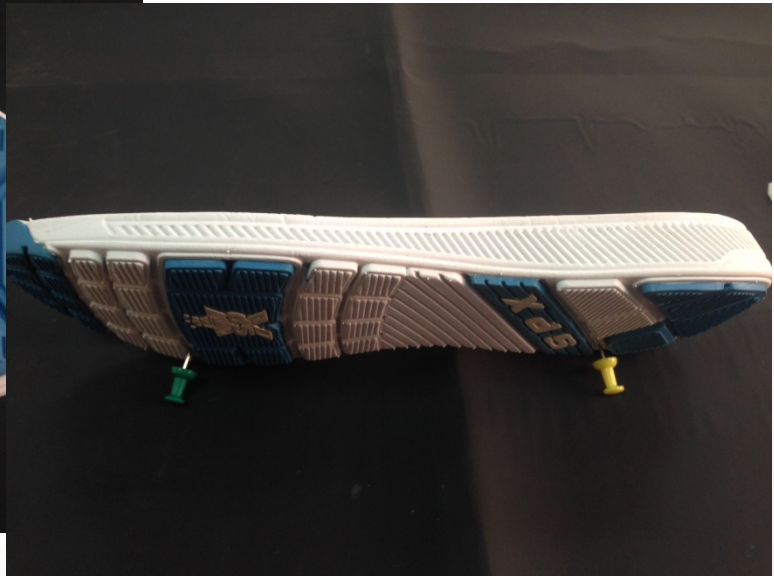
EH-933B Test Result

Peel Force : Final Bonding Strength(after 24hrs)



Peel Force (kgf/cm)	Failure mode
4.72	Phylon tear

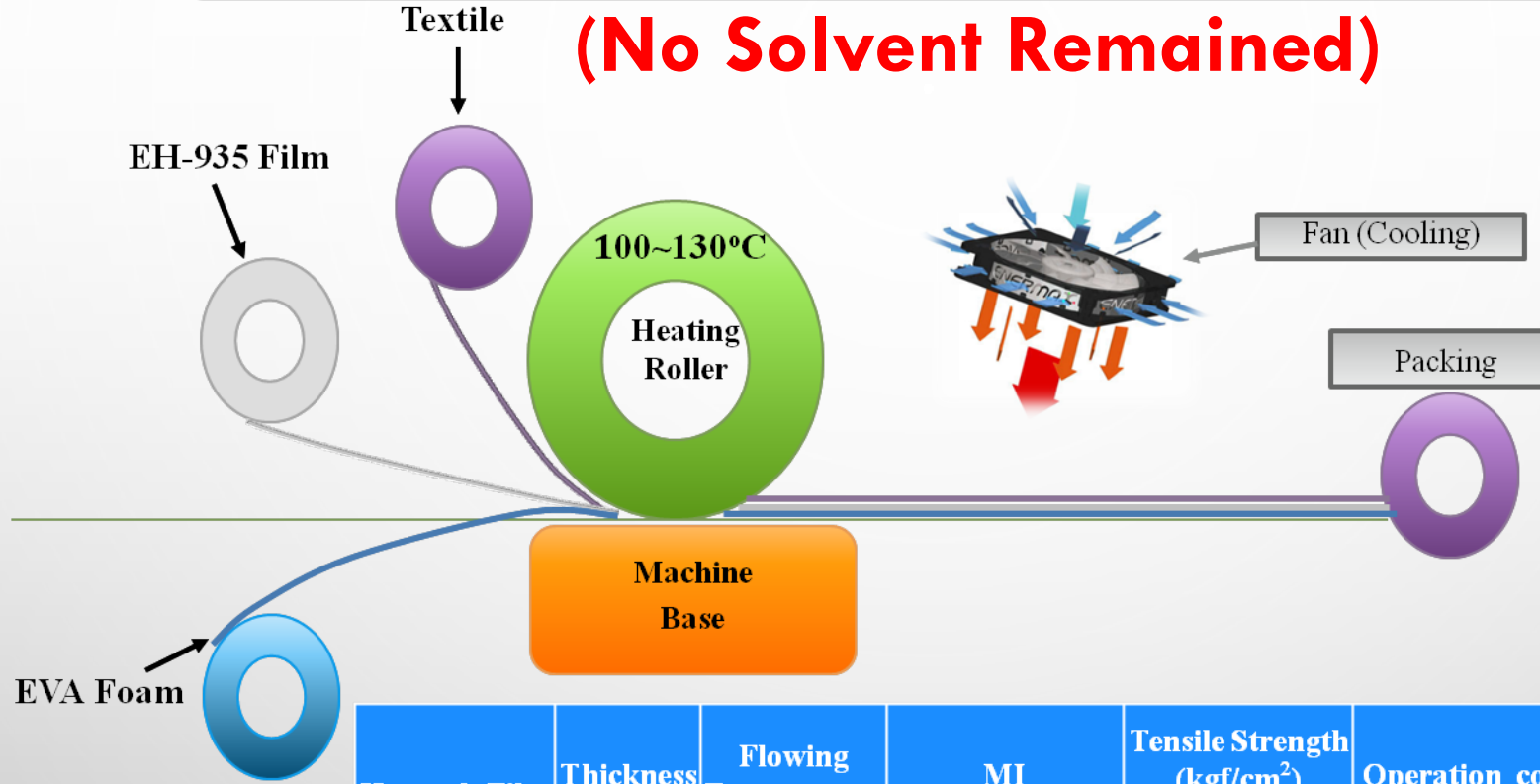
$$\text{※ Peel force (kgf/cm)} = \frac{\text{force(kgf)}}{\text{sample width(cm)}}$$





EH-935 Operating Process

(No Solvent Remained)



Hot melt Film	Thickness (mm)	Flowing Temperature (°C)	MI (190 °C,g/10min)	Tensile Strength (kgf/cm ²)		Operation condition (°C_kg/cm ² _sec)	Failure mode
				Weft	Warp		
Korea 3050	0.04	111	15	456	565	120_2_25	EVA Foam tear
935	0.04	115	7	1292	1436	120_2_25	EVA Foam tear
935F	0.04	88	20	940	1661	105_2_30	EVA Foam tear

***Operating Condition: Depend on thinckness of the HMF and surface structure of the materials.**



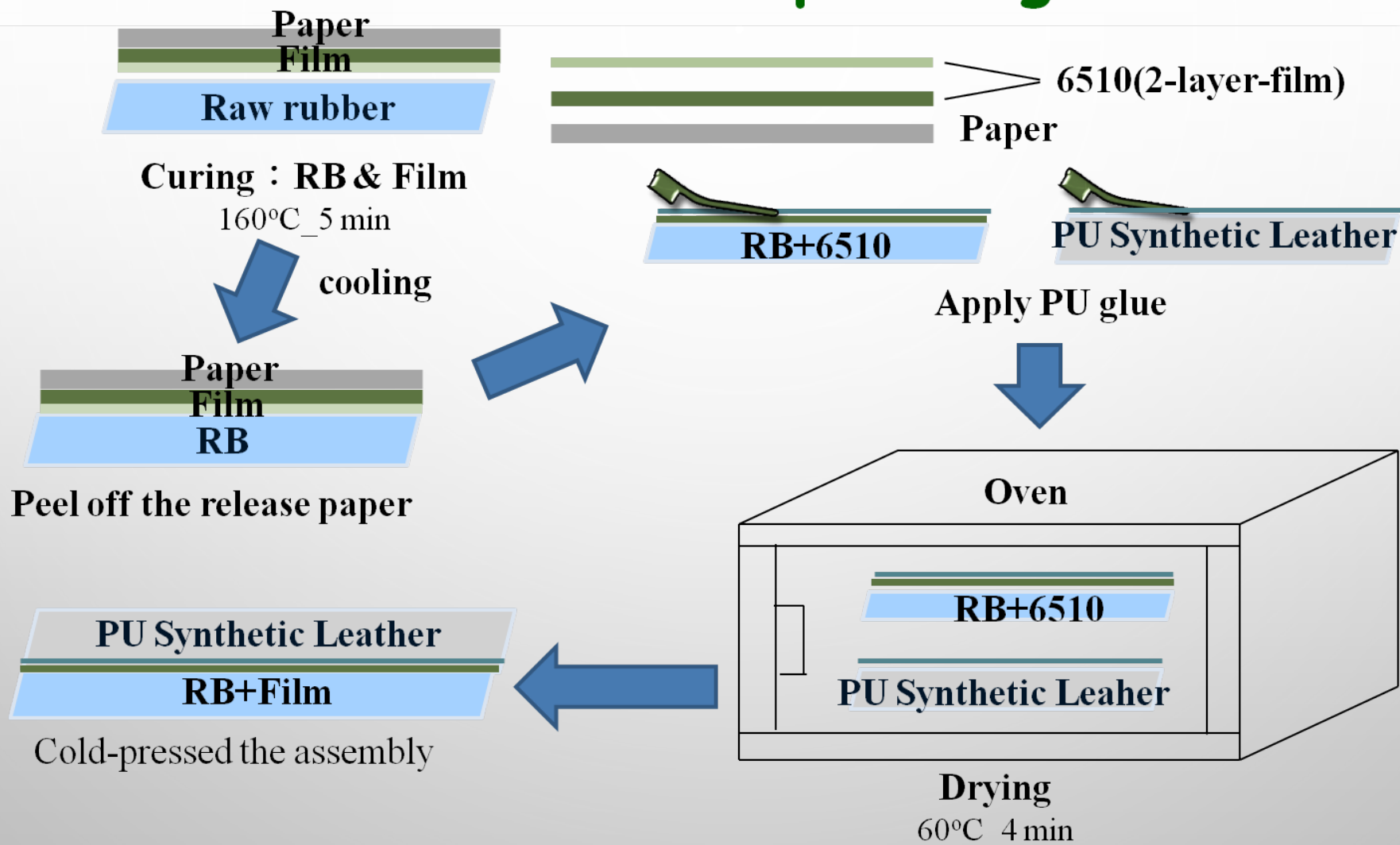


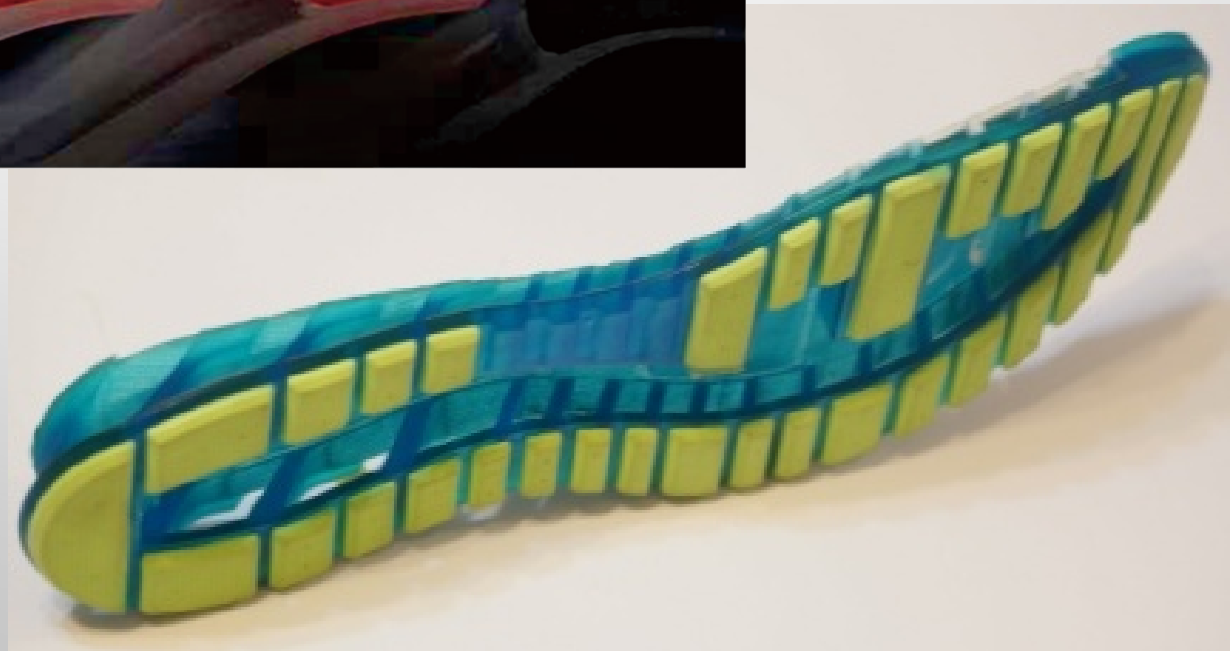
RB Surface Modifying Process with Bonding to PU Leather:6510 Operating Process

CH6510

OR

CH9510

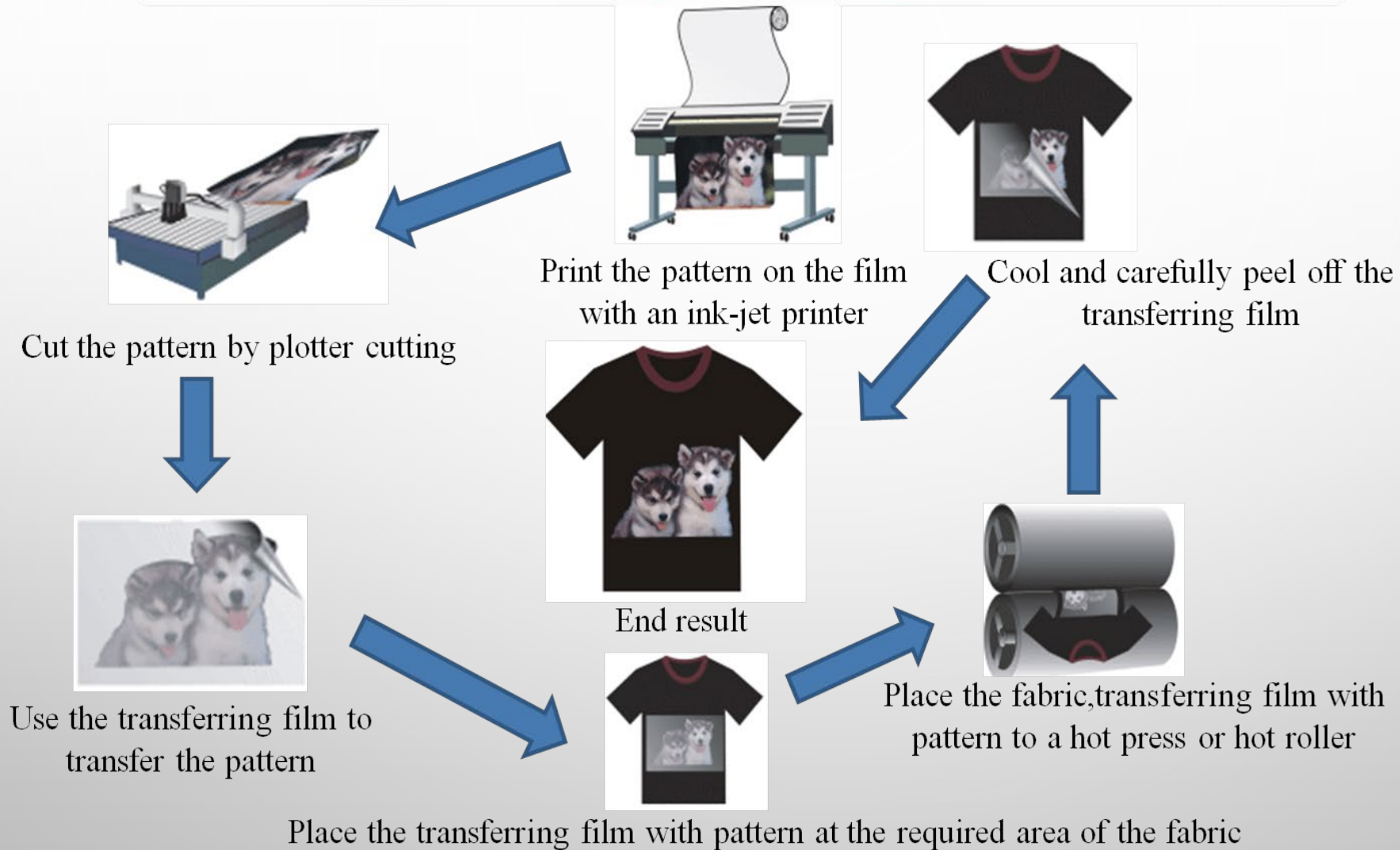






W-265E Operating Process

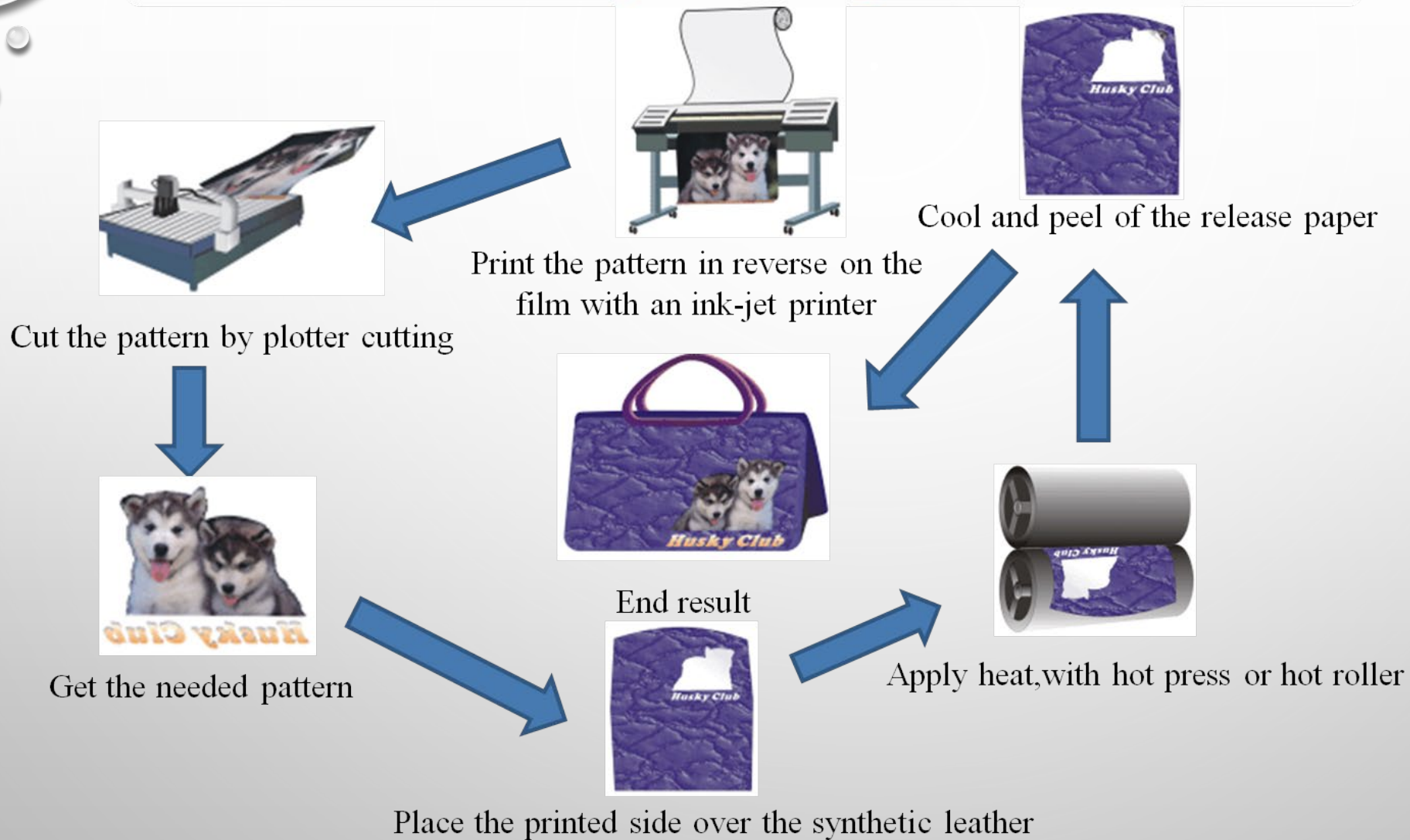
HEAT TRANSFER
FILMS





27205 Operating Process

HEAT TRANSFER FILMS





Metal Bonding

Factors for consideration

1. Material to be bonded.
2. Material's heat resistance.
3. Test conditions
4. Processing methods



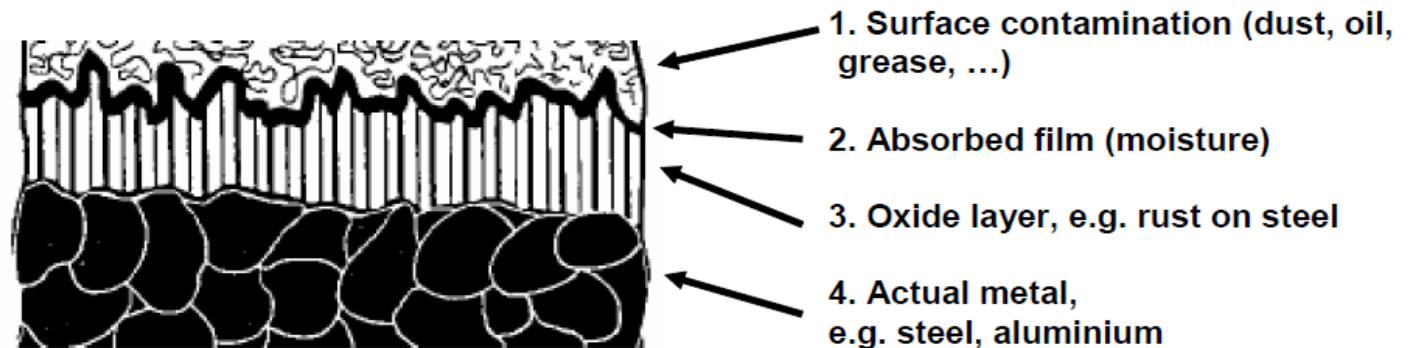
Principle of Metal Bonding- with & without Primer

Without Primer : HMA itself is a polymer has to be modified to have a functional group, that is able to bond metals directly, under suitable conditions, e.g. temperature, pressure and timing.

With Primer : When HMA cannot bond with metals, the metal surfaces will need to undergo chemical treatment. Our primer technologies are highly developed.

Metal Surfaces

- Contaminants that create bonding problems on metal surfaces include grease, dust, dirt, oil and oxide caused by air corrosion. Grease and oil not only interfere with bonding, but also make certain types of preparation operations, such as chemical surface modification ineffective.





Primer Objective

1. Thoroughly clean surface from oils and dust.
2. Rid any oxidization on the metal's surface either with an acid bath or abrasion.
3. Allow for setting time after adhesion.
4. Treatments on the metal surface such as plating may affect results.
5. Anodized film is densely oxidized aluminum which forms a surface sealing property. Thus prior to priming the surface, heat treat to at least 160°C . Once cooled, apply the primer which will enable better primer wetting outcomes.

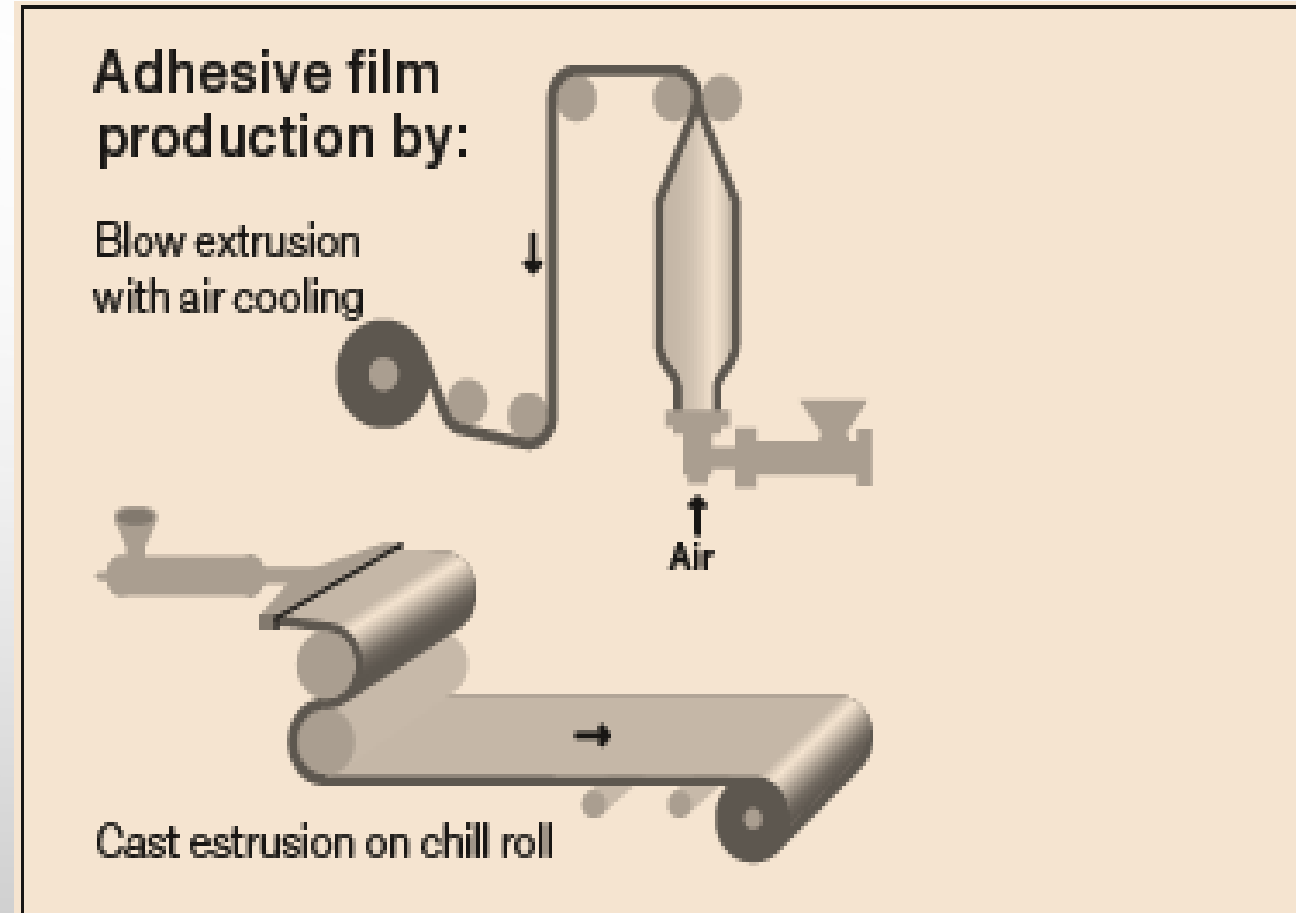


HMA FILMS FOR METALS

Material A	Material B	PRIMER	Film
Zinc-plated board	PE	Not Required	EH-931
Stainless Steel	PP	Not Required	EH-932
	Fiber cloth	Not Required	EH-931, EH-346
Aluminum Bronze	Fiber cloth	Not Required	EH-342
	Fiber cloth	Not Required	EH-342
Stainless Steel	PU	Required	CH-824
	PC	Required	CH-910
Aluminium Bronze	PU	Required	CH824

VERSATILE APPLICATIONS

- TEXTILES & FOOTWEAR
- AUTOMOTIVE CAR ROOF LINER
- HOME OR CONSTRUCTION HDPE & STEEL ROOF APPLICATIONS
- METAL APPLICATIONS
- CARBON FIBER COMPOSITES
- GLASS BONDING & WOOD
- PLASTICS
- ELECTRONICS
- SADDLE
- KITCHEN & BATHROOM DESIGNS
- SEAM TAPES
- SPLINTS





3c mobie case



933B_2



CLOTH_WITH NO SEW_LOG



footwaer-vamp



BICYCLE Saddle



no sew underwear2



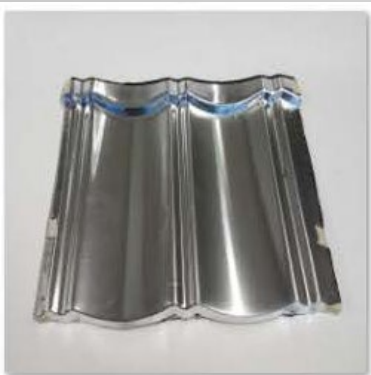
adhesive film with release film



Printable heat transfer pu film



HLT APPLICATION FOR LOGO



roof and metal



carbon fiber



no release paper



splint hand

VIDEO LINKS

933B INSOLE AND OUTSOLE IN MOLD LAMINATION (TEST PIECE OPERATION AND TENSILE TEST) : [HTTPS://DRIVE.GOOGLE.COM/FILE/D/0B-EL3VW93AGHSJJWC01KWKDUMLE/VIEW?USP=SHARING](https://drive.google.com/file/d/0B-EL3VW93AGHSJJWC01KWKDUMLE/view?usp=sharing)

933B APPLICATION (OUTSOLE APPLICATION) :
[HTTPS://DRIVE.GOOGLE.COM/FILE/D/0B-EL3VW93AGHOWHVCHBSTVZVZMM/VIEW?USP=SHARING](https://drive.google.com/file/d/0B-EL3VW93AGHOWHVCHBSTVZVZMM/view?usp=sharing)

3 IN ONE (EVA FOAM/HMF:935F/TEXTILE :
[HTTPS://DRIVE.GOOGLE.COM/FILE/D/0B4HL0HBIJTYGQWLDAFRLMWEZSKU/VIEW?USP=SHARING](https://drive.google.com/file/d/0B4HL0HBIJTYGQWLDAFRLMWEZSKU/view?usp=sharing)

TRANSFER COLOR FILM OF POCKET AND ZIPPER (NOT MY VIDEO, I JUST ADDED SUBTITLES.) :
[HTTPS://DRIVE.GOOGLE.COM/FILE/D/1OJQZBY1YCSQ3XEMINVL0HXXH6RXWJGCFJ/VIEW?USP=SHARING](https://drive.google.com/file/d/1OJQZBY1YCSQ3XEMINVL0HXXH6RXWJGCFJ/view?usp=sharing)

PRINTABLE TRANSFER FILM W-265 PERFORM PROCEDURE
[HTTPS://DRIVE.GOOGLE.COM/FILE/D/0B-EL3VW93AGHZU9HM29VOHDZOGM/VIEW?USP=SHARING](https://drive.google.com/file/d/0B-EL3VW93AGHZU9HM29VOHDZOGM/view?usp=sharing)

PRINTABLE TRANSFER FILM 27205 PERFORM PROCEDURE
[HTTPS://DRIVE.GOOGLE.COM/FILE/D/0B-EL3VW93AGHRHMYWWJWTKFMWTA/VIEW?USP=SHARING](https://drive.google.com/file/d/0B-EL3VW93AGHRHMYWWJWTKFMWTA/view?usp=sharing)

IMPORTANT LINKS



THANK YOU

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