
Ally Laminator

ARMOUR G164-HA



1. Information

1.1 Description

Ally laminator ARMOUR G164-HA is fully auto heat-assist laminator for signage and graphics. This premium machine’s vertical cutting system can cut the wasted edges with efficiency during lamination. Pneumatic up and down, Top speed 40fpm, you got everything here.

1.2 Specification

Smart System	Entry	Up and down	Pneumatic
Control Panel	Front and Rear	Roller	Silicon
Max Lam Width	64”	Roller Diameter	128mm
Max Lam Thickness	1.1”	Trimmer Holder	2 Single and 1 Double Central blade
Max Speed	40fpm	Power	1600W
Heating	Top Heated	N.W.	330 lbs
Max Temp	140°F	Dimension (LWH)	2260x800x750mm

1.3 Unique functions



Smart Entry – Front panel

Easy to check figures of set temp, real temp, and button speed, as well as find your lamination records in 30 days.

Date and time display.

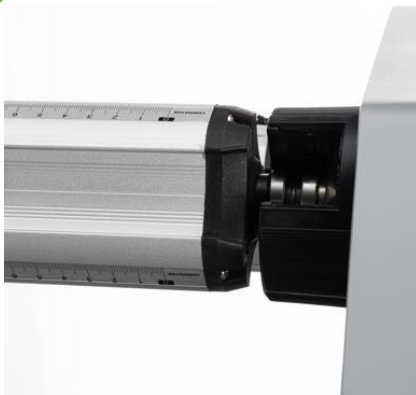
Up and down button.



Smart Entry – Rear panel

Run or stop lamination.

Speed statistics, show button speed, which is convenient to adjust machine speed.



Patent roll shafts

Auto locked and exchangeable roll shafts.

Upgraded shaft caps and holders can be easily locked and loaded media.








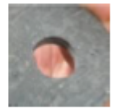









Safety vertical cutter

Equipped with 3 trimmer holders, 2 Single and 1 Double central blade.

Upgraded with two paddles on 2 single trimmer holders.

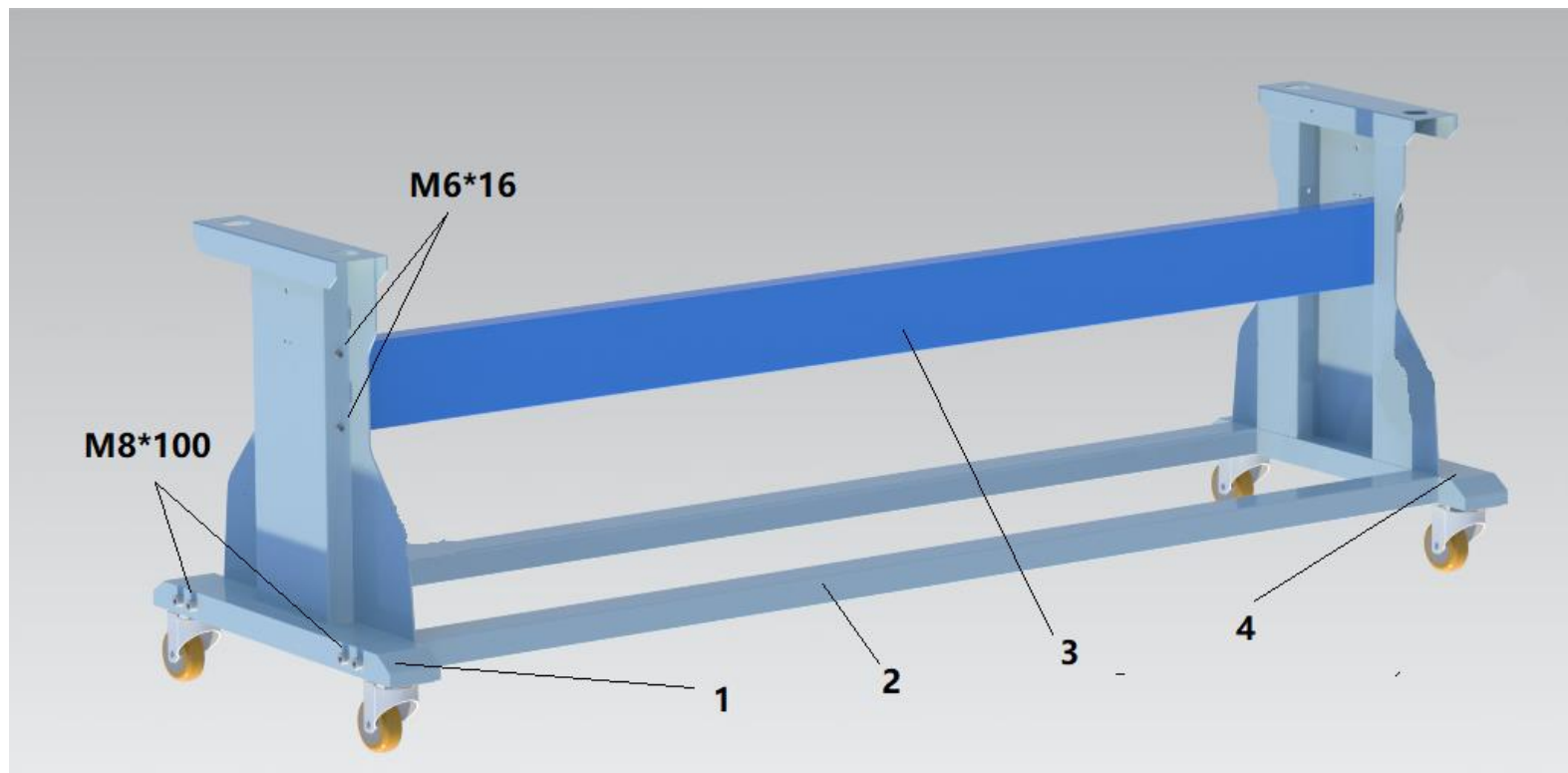
Durable tungsten steel blades can cut common medias with a lifetime that over 15000m.

1.4 Packing list

Machine Components					Accessories Carton				
Item	Picture	Details	Quantity	Remark	Item	Picture	Details	Quantity	Remark
1		Body	1 unit		1		Stand screw	1 bag	
2		Stand Legs	2 pcs		2		Fuse	2 pcs	
3		Bar	3 pcs		3		Friction mat/ Graphite	2 pcs	
4		Roll	4 pcs		4		Ceramic pipe	6 sets	
5		Compressor	1 unit		5		Wrench	1 set	
6		Foot Pedal	1 pc		6		Cutter	1 pc	
7		Heater	3 pcs	Fragile	7		Roll clip	1 set	
8		Oil-water separator	1 pc						

2. Installation

2.1 Stand



1.Left stand leg 2.Lower two bars 3.Blue supporting bar 4.Right stand leg

2.2 Machine body



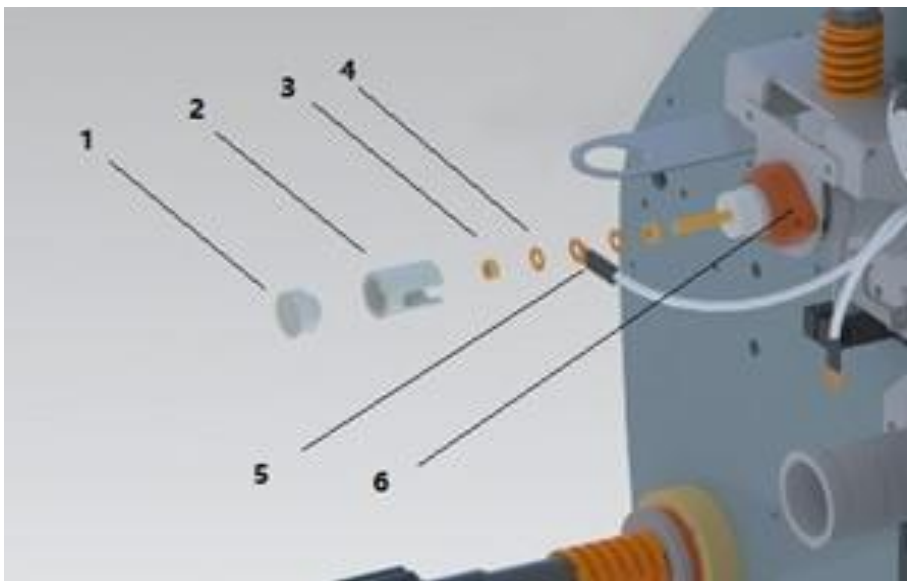


2.3 Heater *(Caution: Please shut down the power before installation).*



Step 1 Put heater into roller

Open left and right cover, remove Rubber mat



Step 2 Lead wire

- | | | | |
|---------------|----------------|-----------|------------|
| 1.Ceramic cap | 2.Ceramic pipe | 3.Hex nut | 4.Flat mat |
| 5.Lead wire | 6.Rubber mat | | |

2.4 Compressor



Step 1

Install compressor as the pic.



Step 2

Connect air tube to oil-water separator.





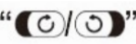


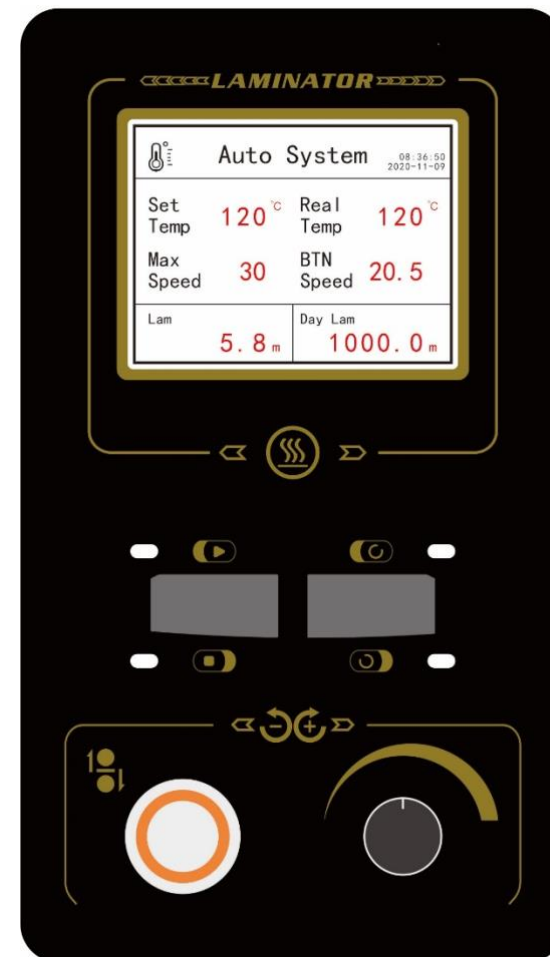
Step 3

Press red handle to operate.

3. Operation

3.1 Panel

1. Press speed button 3 seconds to active Heat ON/OFF
2. Turn right to select Heat ON or OFF, press again to confirm
3. (Heat ON) Press button to select “Set Temp”, rotate to adjust degrees, press again to confirm the setting
4.  runs continuously
5.  Stop running; Foot Pedal can control roller moves
6.  Only Foot Pedal can control roller moves
7. Long pressing  to show 30 days lamination statistics
8. Long pressing  to adjust settings
9. You can press rear button to run or stop
10. Over 2 mins no operate, machine will auto stop if button speed is “0”



Lamination Statistics

Long pressing “/”

Date	Meter	Min	Times
2020-10-01	1050.5	150	48
2020-04-29	50.0	5	2
2020-04-28	100.5	12	5
2020-03-15	1050.0	30	18

Note:

This System saves 30 days statistics automatically, which cannot modify.

Item	Definition
Date	Laminating date
Meter(m)	Day Lamination length
Min	Laminating time
Times	Lamination times

Factory setting (Password: 602398)

Long pressing “”, rotate speed button to enter password and press speed button to enter setting.

Factory setting			
Top Limit	120	Max Speed	30
Top corr	100	Coefficient	100
Btm limit	120	Temp unit	°F
Btm corr	100	Mode	001
Btm Heat	Yes	Language	English
Date 2020-11-09 08:36:50			
Clockwise: + Anticlockwise: - Press BTN: Next			

Factory setting			
Top Limit	Max temp of top roller	Max Speed	
Top corr	Temp correction of top roller	Coefficient	
Btm limit	Max temp of bottom roller(double)	Temp unit	°F or °C
Btm limit	Temp correction of bottom roller(double)	Mode	001
Btm heat	Yes(double)	Language	CN or EN
Date	Local date and time		

3.2 Lamination



Power on



Heat ON/OFF

Press speed button 3 seconds to active Heat ON/OFF.

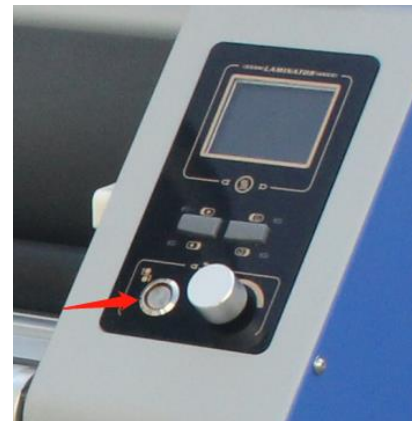
During heating up please make sure roller lift down and slowing running.



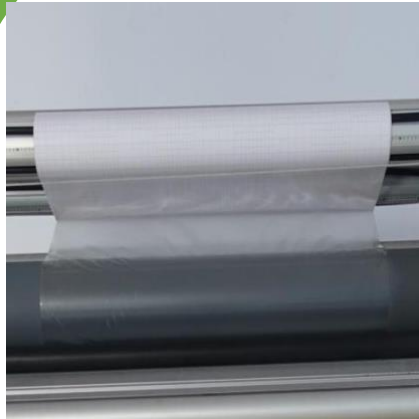
Loading medias

Loading film and prints.

Put 3" cores on liner and finish roll.



Up roller by button



Method A – Feeding film

Peel off film and pull it through the rollers until stick on the finish roll. (A)

During this step, please keep the film tight.



Method A – Feeding prints

Feeding the prints slowly with tension through the top roller.

Keep align with film.



Method A – Running

Down roller by button.

Slowly running the machine or use foot pedal.



Method B – Feeding film

Pull film with liner through the rollers. (B)

During this step, please keep the film tight.



Method B – Feeding prints

Feed prints under upper roller.

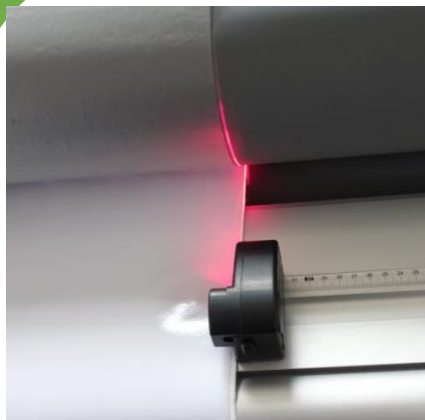
Keep prints align with film.



Method B – Peel off liner

Use safety knife to peel off film liner and stick onto liner roll.

Then lift down roller and slowly running the machine or use foot pedal.



Alignment

Keep film and media alignment.

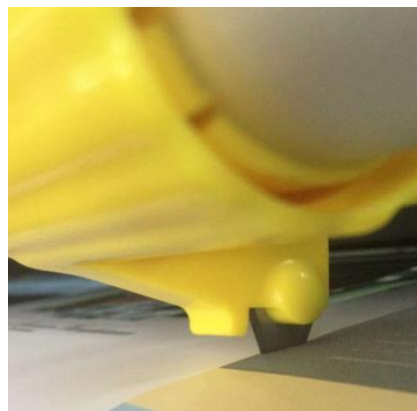


Notice

When the lamination starting, please be careful the if the oversized film may stick onto roller.



Lift up cutting bar.



Locked the cutter holder.



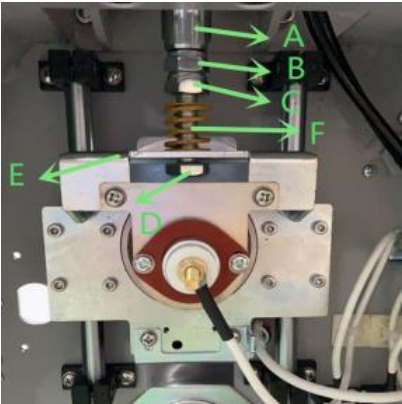
Cutter adjuster.

Cutter

If needed, you can active the cutters to trimming the edges or separate two different pictures. The cutters can be slightly adjusting the distance.

4. Trouble shooting

4.1 Check roller balance

Roller balance		<p>A. Check if there is 2mm gap between F and C of both sides.</p> <p>B. If the gap is not the same, use wrench hold Bolt D, adjust Screw C to make sure the gap of both sides is same.</p>
Pressure increase	<p>Step1. Make ensure roller is balance.</p> <p>Step2. Lift down top roller.</p> <p>Step3. Using wrench to hold Bolt D, then adjust Screw C downward for more pressure.</p>	

4.2 Trouble shooting

Trouble	Defective parts	Incorrect operation
Roller can't lift up and down	Air cylinder Air Compressor Roller stuck in lifting track Lifting knob or button	Reset emergency button Air inlet speed of both cylinder
Control Panel don't light	Fuse tube Power supply	Press "SET" 3 seconds Reset emergency button
Abnormal speed	Motor Fuse tube Speed button Speed controller Central controller Laser sensor Chains (Motor shaft)	Laser sensor blocked Reset emergency button Active speed button in Front or Rear

Temperature issue	Heater Fuse tube Solid relay Temp sensor	Real temp higher than Set temp Adjust Temperature correction
Bubbles	Roller broken	Roller balance Increase roller pressure More roll shaft tension Higher temperature Slow down speed More tension in Prints Prints not dry enough
Folds	Roller broken	Roller balance Align Prints and Film Tension in Prints / Tension in Film Roll shafts tension Prints not dry enough

5. Notice

- Slowly running the machine when heated.
- Lift up roller after finishing the lamination.
- Keep rollers clear.
- Do not scratch the rollers.
- Lubricate the gears and chains.
- Friction mats should be checked and replaced regularly.