# Ally Laminator

# ARMOUR G264-HA

# 1. Information

## 1.1 Description

Ally industrial laminator, ARMOUR G264-HA is perfect for most applications of sign and graphic. The Top-heated rollers with max temperature of 140℉ offers the possibility not only for laminating but also for mounting and encapsulating up to 64”. Additionally its fully adjustable tungsten blades can cut most materials with a lifetime that over 15000m.

## 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. | 573 lbs |
| Max Temp | 140℉ | | Dimension (LWH) | 2260x800x1650mm |

## 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.

Active cutter button.

### 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.

### Plug & play

Plug & play, more friendly for assemble.

Strong and integrated frame, easy to use.

## 1.4 Packing list

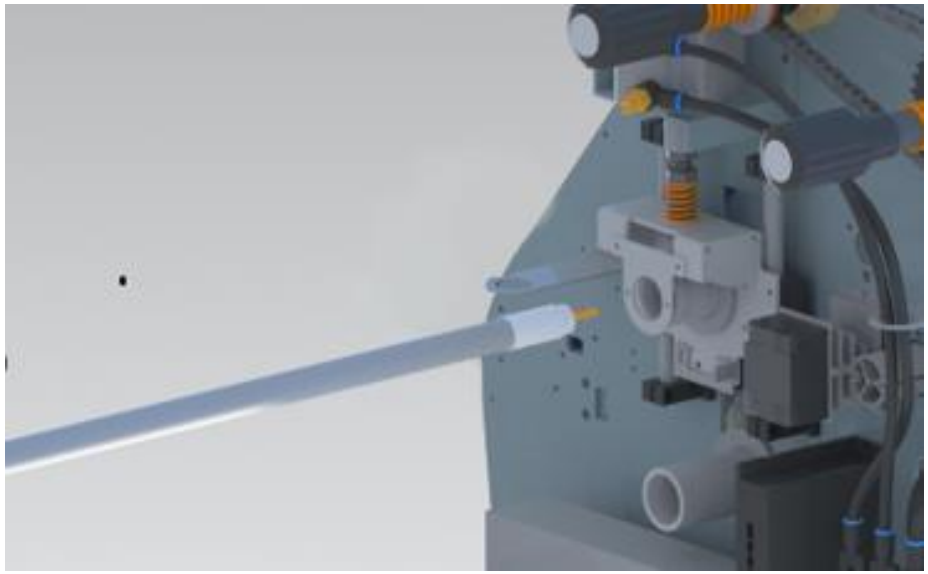
| Machine Components | | | | |
|---|---|---|---|---|
| Item | Picture | Details | Quantity | Remark |
| 1 |  | Body | 1 unit | |
| 2 |  | Roll | 6 pcs | |
| 3 |  | Compressor | 1 unit | |
| 4 |  | Foot Pedal | 1 pc | |
| 5 |  | Heater | 3 pcs | Fragile |
| 6 |  | Oil-water separator | 1 pc | |

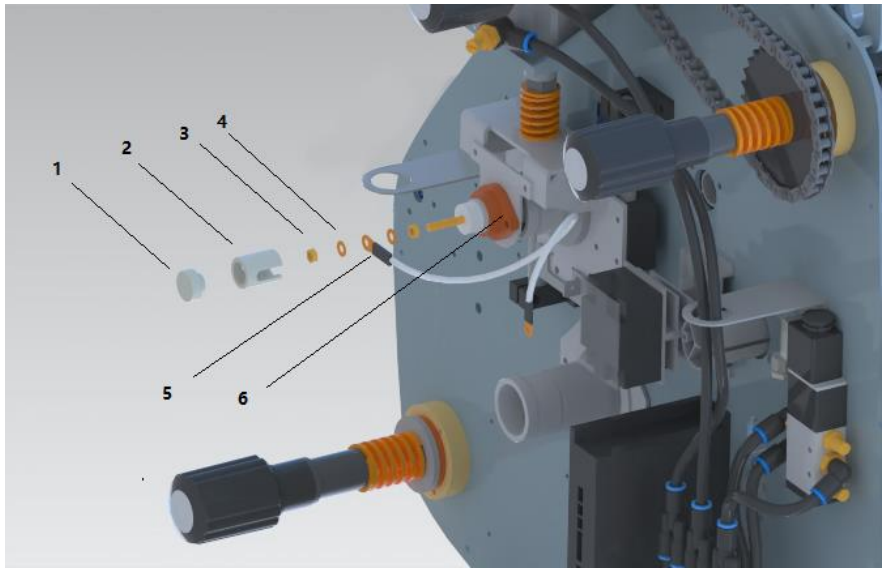
| Accessories Carton | | | | |
|---|---|---|---|---|
| Item | Picture | Details | Quantity | Remark |
| 1 |  | Stand screw | 1 bag | |
| 2 |  | Fuse | 2 pcs | |
| 3 |  | Friction mat/ Graphite | 2 pcs | |
| 4 |  | Ceramic pipe | 6 sets | |
| 5 |  | Wrench | 1 set | |
| 6 |  | Cutter | 1 pc | |
| 7 |  | Roll clip | 1 set | |

## 2. Installation

### 2.1 Machine body

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






| Step 1 Put heater into roller | Step 2 Lead wire |
|---|---|
| Open left and right cover, remove Rubber mat | 1.Ceramic cap 2.Ceramic pipe 3.Hex nut 4.Flat mat<br>5.Lead wire 6.Rubber mat |

## 2.3 Compressor

| | | |
|---|---|---|
|  |  |  |
| Step 1 | Step 2 | Step 3 |
| Install compressor as the pic. | Connect air tube to oil-water separator. | Press “Red” button 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 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

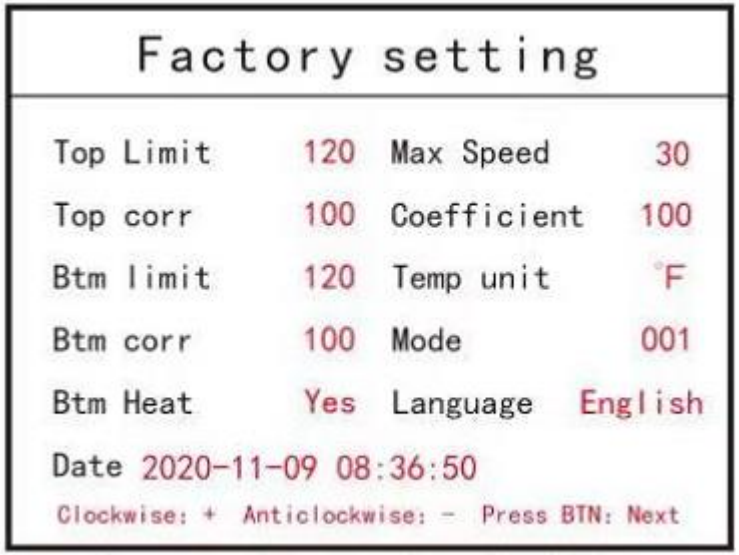
Note:

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 | 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 | ℉ or ℃ |
| 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.

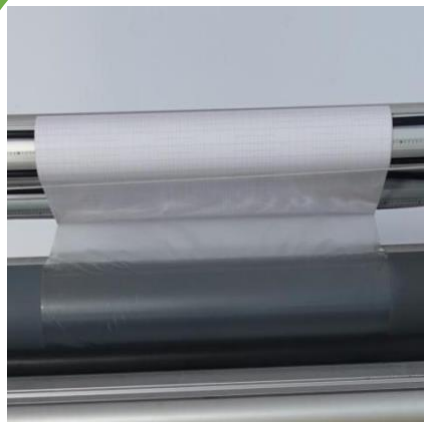
*During heating up please make sure roller lift down and slowing running.*

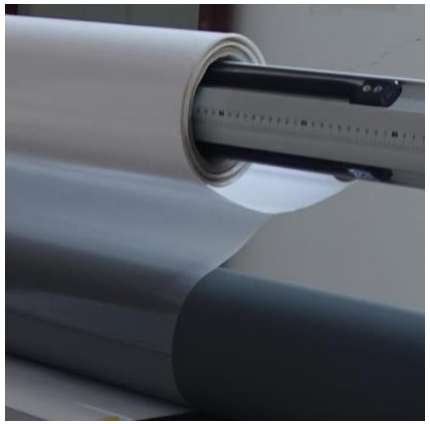
**Loading medias**

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**

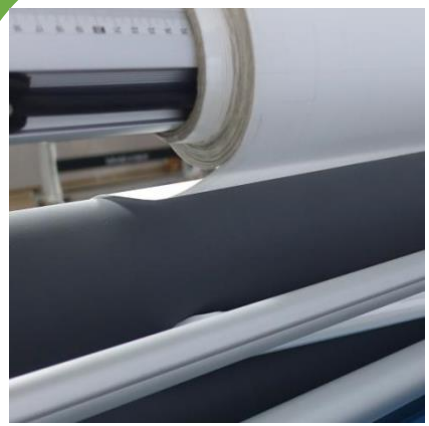
Feeding the prints slowly with tension through the top roller.

*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.

Active cutting bar by button.

Locked the cutter holder.

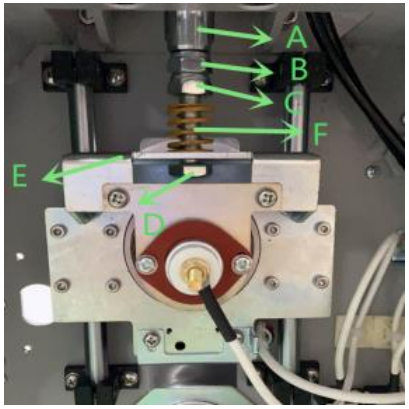
Cutter adjuster.

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

## 4.2 Trouble shooting

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

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