The Linea has been designed to be user friendly, however we strongly recommend you take a few minutes to read through this manual to ensure correct operation.

Keep this manual safe for future reference.
Thank you for purchasing the Linea. Please read through this instruction booklet carefully and keep it safe in case needed for future reference.

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Safety Precautions

⚠️ WARNING ⚠️

Do not use the machine if the power cord is damaged in anyway. Do not use a power supply that is not in accordance with the rated voltage.

🚫 NO DISJOINCT ⚠️

Do not try to disassemble, modify or repair the machine yourself. If you encounter a problem you must call a qualified engineer.

 предосторожно ⚠️

Keep long hair, loose clothing and items such as ties and jewellery away from the rollers of the machine at all times to avoid danger of entanglement. If entanglement occurs, press the REVERSE button or cut off the power immediately.

⚡️ ELECTRIC SHOCK ⚠️

Keep water and liquids away from the machine at all times. Do not operate the machine with wet hands. Do not cut off the power to the machine whilst in operation (except if entanglement occurs). Use the safety guard at all times.

⚠️ HIGH TEMPERATURE ⚠️

The Linea works at a high temperature, therefore ensure you do not touch the rollers or any part of the machine which states ‘HOT’ or ‘CAUTION’ whilst it is in operation. Do not cover the machine if it is still cooling down. Do not laminate any material other than what is stated in this manual and do not use any lamination film other than what is recommended for this system.

Further advice

Operate the machine in a well ventilated, clean, dry place with a large enough working space at the front and rear of the machine.

Ensure the power cable is not dragging on the floor or causing a hazard to operators.

For producing the top quality results that this machine is designed to do, you must use high quality lamination film. Pro life film is the suggested brand by the manufacturer.
Do not use the machine if the power cord is damaged in any way. Do not use a power supply that is not in accordance with the rated voltage.

Do not try to disassemble, modify or repair the machine yourself. If you encounter a problem you must call a qualified engineer.

Keep long hair, loose clothing and items such as ties and jewellery away from the rollers of the machine at all times to avoid danger of entanglement. If entanglement occurs, press the REVERSE button or cut off the power immediately.

Keep water and liquids away from the machine at all times. Do not operate the machine with wet hands. Do not cut off the power to the machine whilst in operation (except if entanglement occurs).

Use the safety guard at all times.

Machine parts and stand assembly:

- Supply roll tension knob
- Safety shield
- Active bolt
- Left side cover
- Feed guide
- Core adapter
- Top roll shaft
- Heating roller
- Top stabilizer bar
- Roller pressure knob
- Control panel
- Feed table
- Right side cover
- Stand assembly (Optional with DH-650)
Control panel and functions of the digital display

Temperature control

The temperature setting you require for laminating can vary and can be effected by many different factors, these include thickness of media, thickness and construction of laminating film, speed of the machine and temperature and humidity of the room you are working in. For this reason, we do not provide a precise chart detailing the exact temperature required for operation. Please refer to the guide at the bottom of this page if you need help. Always use a test print to send through the machine before starting to laminate your work.

The temperature control knob will increase or decrease the set temperature as it is turned and the set temperature will show on the LCD display. The current temperature of the rollers will also be displayed on the LCD display. The temperature ranges from 0°C-140°C. If the temperature reaches 140°C, the over heating protection function will automatically activate to prevent the machine getting any hotter.

Approximate temperature guide

This chart is a rough guide only and should NOT be taken as an exact indication of the settings for your laminating job. As previously stated, many different factors can effect the temperature and speed required. The supplier does not accept responsibility for incorrect settings being applied.

<table>
<thead>
<tr>
<th>Encapsulating</th>
<th>Approx temperature</th>
<th>Approx speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Example film</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75 Micron</td>
<td>100°-110°</td>
<td>0.5 m per min</td>
</tr>
<tr>
<td>125 Micron</td>
<td>110°-120°</td>
<td>1.0 m per min (decrease speed for thicker documents and increase the temperature slightly)</td>
</tr>
</tbody>
</table>

Error messages

Should the LCD display panel show the words OPN fault or CLS fault, there maybe a problem with your machine. This very rarely occurs but if it does contact your supplier immediately and turn off the power.

Familiarise yourself with the control panel before commencing operation of the machine.
Speed control

The speed control function allows adjustment of the speed of the machine. This can be manually adjusted by turning the knob anti clockwise to increase the speed and clockwise to decrease the speed. The speed can range from 0M per min to 1.4M per min.

Hot and cold settings

To change the function of the machine to either hot or cold press the HOT/COLD switch. When it is switched to hot the set temperature will show on the LCD display. When it is switched to cold, COLD will show on the LCD display.

Forward and reverse switch

The FWD/REV switch changes the working direction of the motor. When it is switched to forward the motor will run forward and will show on the LCD display. This function is used for laminating and encapsulating.

When it is switched to reverse the motor will run backwards and REVERSE will show on the LCD display. This function is used to remove items fed in incorrectly or by mistake - please note removed items will not be reusable.

Run and stop switch

The RUN/STOP switch enables you to start and stop the motor. When it is switched to RUN the machine will

Operating instructions

Ensure the laminator is placed on a flat, sturdy work surface or on the assembled stand (optional extra). Check the power voltage for the machine to ensure this meets your own supply. Plug the power cord into the back of the machine and into your power supply. Contact your supplier if you do not have a power cord with the machine.

Turn on the power switch, the control panel display will light, this indicates the power is connected.

Motor overload circuit breaker

If the machine should jam in a way that the motor could be effected, the circuit breaker will cut off the power to avoid damage. Once the overload has been cleared, press the circuit breaker button and the motor will start again. The circuit breaker button is located at the rear of the machine next to the power switch. The button is red in colour.
Loading/threading the film - Encapsulating

Please follow the step by step guide below to correctly load your film;

- Remove the safety guard
- Remove the feed tray by retracting the bolt
- Remove the top mandrel
- Completely unscrew the mandrel and cap
- Core holder located on mandrel
- Load the film onto the mandrel and make sure it is loaded with the film coming off the bottom of the roll with the adhesive side up. Tighten the screw back up with screwdriver provided
- Refit the mandrel complete with the loaded film
- Thread film from top mandrel down under top idler bar and over top laminating roller surface as shown (ensure film is loaded with adhesive side up)
- Load film onto bottom mandrel in the same fashion as with the top mandrel, remove bottom mandrel as shown
- Move bottom stabilizer bar forward to assist film loading

NOTE: Indents are drilled in the mandrels to locate core holder so top and bottom films line up.
Film threading diagram -

*NOTE: Ensure stabilizer bar is relocated in the back position when loaded*

Load bottom film around roller bar as shown

*Bring top film down under idler bar and web the films together as shown overlapping the top & bottom film by several inches*

Take a piece of cardboard insert it in between the rollers (in the nip)

*NOTE: SAFETY TRIP SWITCH*

Lift top roller by turning roller pressure handle anti-clockwise

Ensure the roller pressure is in the ‘LOCK’ position when running the machine

*NOTE: SAFETY TRIP SWITCH*

Re-fit the plastic safety guard - With the guard and/or tray not in position you can put the drive switch to run and then by pressing the load button the machine will run forward when the load button is released the machine will stop

Re-fit the feed tray

*Auto memory function*

The linea has an auto memory function, that means if you work on the same roll of film, the temperature and speed will be set to the same settings as the last time the machine was used.

[Diagram of film threading with labels for Rollers, Heating Rollers, and Film under Top and Bottom Stabilizer Bars.]

[Diagram showing the process of threading films with labels for Top and Bottom Roll Film, Top and Bottom Rollers, and Top and Bottom Heating Rollers.]
Cleaning and maintenance of your machine

The most expensive part of a laminator is usually the rollers, if these become damaged they are costly to repair. Always ensure you look after the rollers and clean them regularly to avoid a build up of glue (see advice below). Never hold a sharp object such as a knife close to the rollers in case of catching the rubber as this could cause permanent damage that will effect the result of your work.

When your laminator is cooling down, always separate the rollers using the roller pressure knob, this will ensure that your rollers do not touch when still hot as this could leave a ‘flat spot’.

Cleaning the rollers

It is easier to remove adhesive from the rollers when they are warm, do not attempt this if the machine is hot (above 40°C). For easy access, remove the safety shield and feed tray. Always use a clean cloth and a mild anti-static foam cleaner such as Amberclens by Ambersil or similar, do not use a heavy duty solvent or anything abrasive.

If the film becomes jammed in the machine in any way and there is a large build up of adhesive, do not try and remove this yourself, contact your supplier for advice.

Troubleshooting

My laminator has no power
Make sure that the electrical outlet being used is not damaged and that it is supplying power. Ensure the power cord is firmly fitted in the back of the machine and not straining in any way. If all of this seems correct, there are three fuses to check, one is located next to the power switch, the other two are located underneath the laminator. Contact your supplier if none of these solutions resolve the problem.

My lamination is coming out cloudy
This means that the temperature is not hot enough, try and increase by 5°C and wait until the laminator has reached the new temperature before putting through another print.

My lamination has come out wrinkled/creased
This means that the temperature is too hot. You should also put a test document through first to avoid ruining your work. Reduce the temperature by 5°C and wait until the laminator has cooled before trying again.

The film is wrapping around the rollers when I try to laminate
The film may be threaded incorrectly, refer to the threading diagram on page 6 or 8 (depending on if you are doing single sided or encapsulating. The adhesive side of the film may be facing the roller. Stop the operation, wait until the laminator has cooled down and thread the film again in the correct manner.

Specification chart

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DH-360</th>
<th>DH-460</th>
<th>DH-650</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX LAMINATING WIDTH</td>
<td>340mm</td>
<td>460mm</td>
<td>650mm</td>
</tr>
<tr>
<td>MAX LAMINATING THICKNESS</td>
<td>5mm</td>
<td>5mm</td>
<td>5mm</td>
</tr>
<tr>
<td>MAX LAMINATING TEMPERATURE</td>
<td>140°C</td>
<td>140°C</td>
<td>140°C</td>
</tr>
<tr>
<td>MAX LAMINATING SPEED</td>
<td>1.4m/min</td>
<td>1.4m metres/minute</td>
<td>1.4 metres/minute</td>
</tr>
<tr>
<td>RECOMMENDED FILM</td>
<td>Prolife film, up to 250 micron</td>
<td>Prolife film, up to 250 micron</td>
<td>Prolife film, up to 250 micron</td>
</tr>
<tr>
<td>DIAMETER OF HEATING ROLLER</td>
<td>44mm</td>
<td>55mm</td>
<td>55mm</td>
</tr>
<tr>
<td>DIAMETER OF PULL ROLLER</td>
<td>30mm</td>
<td>45mm</td>
<td>45mm</td>
</tr>
<tr>
<td>POWER SUPPLY</td>
<td>700W</td>
<td>950W</td>
<td>1600W</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>620 x 420 x 310mm</td>
<td>720 x 520 x 400mm</td>
<td>910 x 520 x 400mm</td>
</tr>
<tr>
<td>WEIGHT</td>
<td>30kg</td>
<td>45kg</td>
<td>58kg</td>
</tr>
<tr>
<td>STAND</td>
<td>N/A</td>
<td>N/A</td>
<td>Optional Extra</td>
</tr>
</tbody>
</table>
Warranty & Incorrect Use

IMPORTANT INFORMATION

Your laminator should reach you in perfect condition, however please retain all original packaging once you have unpacked your laminator in case you need to return it to us. If your laminator arrives damaged or faulty in anyway, this must be reported to your supplier immediately. If you send your laminator back for repair under warranty at any time, then the warranty may be void if the laminator is not packaged correctly and as a result is damaged in transit. The laminator you have purchased comes with a 1 year warranty on defective parts. THIS DOES NOT COVER any jams, misfeeds or wrap arounds caused by operator error and you will be liable for the repair costs (including delivery charges) if the damage is caused by operator error.

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