



laminating machine

EASYLAM
EXPERT 80 C

instruction manual



**Read operating instructions carefully before commissioning
and keep for further use.**

Technical information

model.....	EASYLAM EXPERT 80C
length	105 cm
width	35 cm
height	37 cm
weight without packaging and laminate	30 kg
max. material width	78 cm
effective roll length mm	795 mm
max. roller spacing mm	6 mm
external power supply	110 - 230 V 50/60 Hz max. 5A
internal power supply	12 V 4,5 A

INSTALLATION

The machine is delivered in a cardboard box.

dimensions	101 x 35 x 35 cm
total weight incl. packaging	35 kg





Further installation instructions:

Power supply

The power supply specified here should be available near the site:

- Single phase voltage: 230V
- Frequency: 50 - 60 Hz
- Current: 4.5 A

Space requirement

The floor space must correspond to the space requirements for the scheduled use of the machine. Also take into account the space required for feeding or discharging the material and the dimensions of the images and plates to be processed. Prepare a level surface according to the dimensions of the machine, taking into account the accessory equipment.

Lighting

Good lighting (indicative 300 - 600 lux) is essential to operate and maintain the machine safely.

Space properties

The machine must be installed in a closed room and protected from the weather. Permissible room temperature: 18°C to 35°C. Corresponding permissible humidity range: 30% to 80%.

Power connection

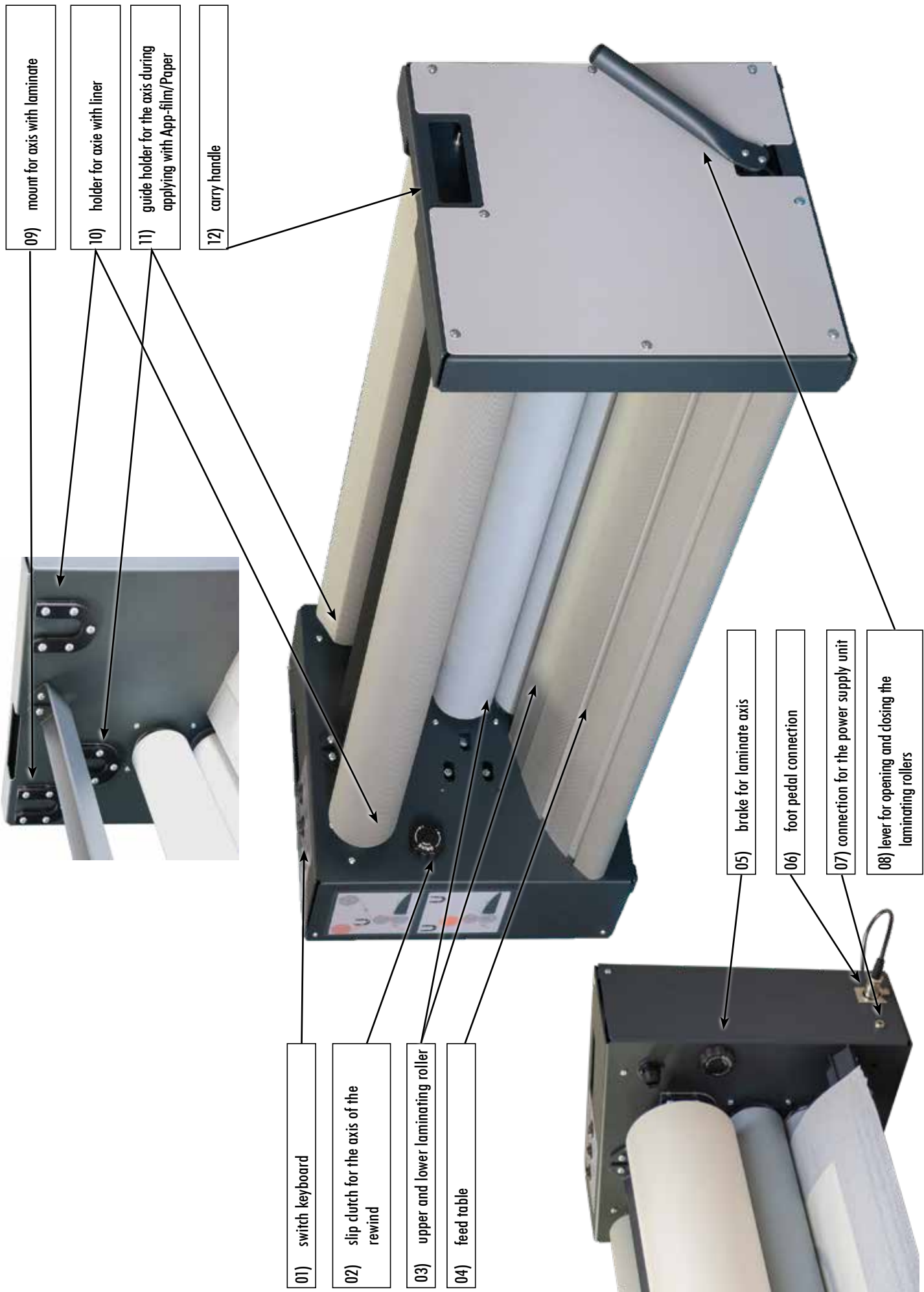
Check that the power connection corresponds to the machine power. Before each connection to the mains, the grounding must be secured.

Connect the machine to the mains:

- Connect the connection cable to a suitable plug or directly to the power distribution system. (capsule rail, junction box, etc.).

Acceptance / Test

Before the actual commissioning, run a few tests of the various functions of the device.



01) switch keyboard

02) slip clutch for the axis of the rewind

03) upper and lower laminating roller

04) feed table

05) brake for laminate axis

06) foot pedal connection

07) connection for the power supply unit

08) lever for opening and closing the laminating rollers

09) mount for axis with laminate

10) holder for axis with liner

11) guide holder for the axis during applying with App-film/Paper

12) carry handle

The switch keyboard

The machine is controlled next to the foot pedal via the following keypad:



- Switches On or Off of the axis, which rolls up the protective liner.
- Starts or stops the laminating process.
- Turns the laminator on or off

Safety devices

The machine is equipped with the following safety devices:

- Right cover housing
- Left cover housing
- Safety system (slip clutch of the rollers)

When operating the machine, make sure that hands do not stuck between the rollers.

The EXPERT 80C is equipped with a safety system in which a slipping clutch stops the roller movement. This can prevent serious injury. When operating the laminator make sure that no body parts or objects get between the rollers.

We assumes no liability - especially in the case of structural or electrical modifications to these devices made by the operator.

The side panels which protect the electrical equipment may only be removed by qualified technicians or specialists authorised by manufacturer.

Autogrip material pick-up

Push the material axis into the core of the roll to be mounted material roll. Thanks to the autogrip material holder, the material axis can be easily be pushed into the roll core. As soon as the machine starts up, the autogrip function in the core blocks and the roller rotates with the axis.



Operation of the machine

EASYLAM EXPERT 80C is supplied as a table-top unit without stand. In the start-up phase the operator stands in front of the machine. The machine is switched on via the main switch. With the start/stop switch starts the laminating process. Alternatively you can use the foot pedal to continuously adjust the speed.

General information

The material axles are equipped with adjustable slipping clutches/brakes. Each material has own characteristics, which vary according to temperature, humidity, adhesive used, type of film, etc. The ideal working condition is that in which the material on the upper roller is stretched and applied with minimal braking without wrinkles. The search for this „Ideal setting“ begins by looking for the point where the brake unit only works lightly in order to then, if necessary, to become gradually stronger. Take care not to stretch the film too much, to prevent it from being initially stretched and then warping the laminated product.

If the protective liner is to be rolled up, it is sufficient if it is slightly tightened. Therefore make sure that the roll-up clutch is carefully adjusted.

Assembly lever:

The lever on the right side must be screwed on before commissioning.

Connect power supply and pedal: as shown.



OPERATION

Operating personnel

The machine may only be operated by qualified personnel.

Material guide

The material axis can carry laminate with silicone paper as well as double-sided adhesive film. To insert the rolls, refer to the illustrations and proceed as follows:

Mounting the material axis

The axes have different mounts on the laminator.

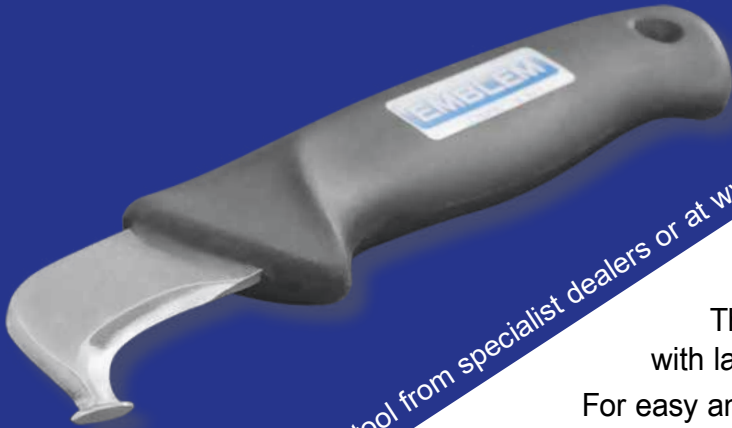
The material axis with the red dot must be inserted on the left first.



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EASYLAM-CUTTER

This knife is included with your device.



You can obtain this tool from specialist dealers or at www.dataplot.de.

Special knife for the optimal equipment of our laminator with laminating films.

There are different ways to equip our laminators with laminate.

For easy and economical handling we recommend our EASYLAM-CUTTER. Item no.: 24959

This knife has a special blade. The risk of injury or damage to the roller of the laminator roller is significantly reduced.

The advantages of the EASYLAM-CUTTER:

- You save time and material by clamping the laminate including carrier material (liner).
- No exposed knife tip.

The following description of the working method enables economical use of laminate when the laminator is fitted with film.

The preparation of the machine is simplified and can therefore be learned more quickly.

Procedure - EASYLAM-CUTTER



1
Lay the laminate film incl. the liner between the rollers



2
Hold the inserted laminate in place tightly and close the rollers



3
Wrap the laminate back tightly onto the laminate roll



Behind the rollers of the laminator should protrude approx 5 cm



Position the blade of the EASYLAM-CUTTERs between film and liner



Carefully separate the liner



Also use the blade in front



Fasten the liner to the core to wind up



Start laminating

Working method I: protect a print with laminate

1. Open the laminating rollers with the lever on the right side (lever backwards)
2. Place the laminate with the axis in the axis holder no. 09. (see page 3) as described on page 5.
3. Place the second axis, equipped with an empty core, in the axle holder no. 10 (see page 3)



4. Pull the laminate including the liner between the open rollers.
5. Close the rollers with the lever (pull the lever forward).



6. Separate the liner from the laminate and fix it in place with tape on the cardboard core. Make sure that the liner is attached evenly and without oblique folds. If required repeat the steps until the material is correctly positioned. With the adjustment of the brake (no. 05) and the slipping clutch (No. 02) the pull of the axis can be adjusted. Please refer to the enclosed special knife description. The simplified functionality is described on pages 6 and 7 of this manual explained using the example of an EASYLAM 160W.

7. Switch on the liner drive. See switching keyboard page 4.

8. Apply the pressure from the front between the rollers

9. Use the „Start“ switch or the pedal to start the laminating process.

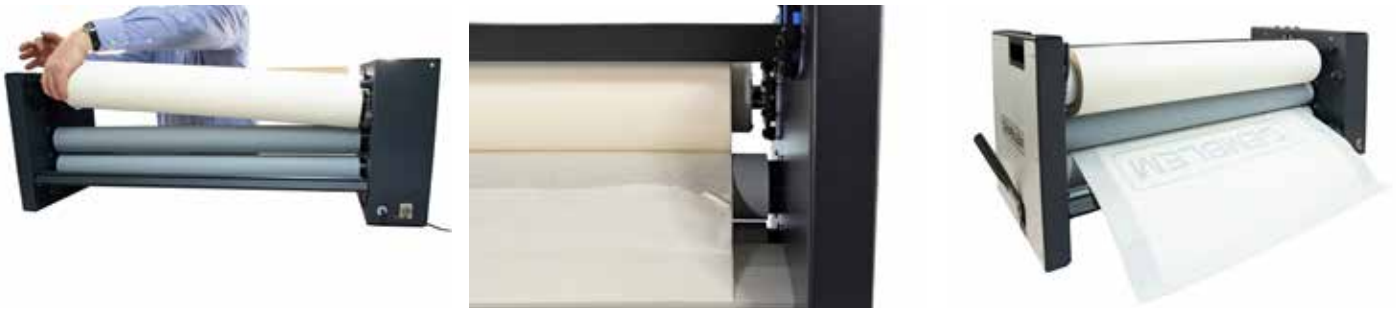


10. At the beginning of laminating, make sure that the laminate freed from the liner does not stick on the rollers or housing parts. As soon as you see your print under the laminate at the back, this danger no longer exists.



Working method II: laminating weeded vinyl plot with APP film

1. Place the material axis with the APP film in the axis holder no. 11 (see page 3). The APP roll lies on the top laminating roller.



2. Open the laminating rollers with the lever on the right side (lever to the rear).
3. Pull the APP film between the rollers. Make sure that the APP film rests smoothly and tightly on the top laminating roller.



4. Close the rollers with the lever. (Pull the lever forward).
5. Place the weeded vinyl plot between the rollers from the front.



6. Use the „Start“ switch or the foot pedal to start the laminating process.
7. Make sure that the APP-film does not stick to the rollers or housing parts at the beginning of the laminating process.

CE DECLARATION OF CONFORMITY

We are, **DATAPLOT GmbH**
Gutenbergstraße 15
24558 Henstedt-Ulzburg

Manufacturers of the brand name EMBLEM, declare in general responsibility that the machine:

Brand name: EMBLEM
Model: Easylam Expert 80C
Easylam Expert 140C
Easylam Expert 160C
Easylam 140C
Easylam 160C
Easylam 160W

is in accordance with:

The requirements of EU Directive 2006/42/EC
The requirements of EU Directive 2014/30/EU
The requirements of EU Directive 2006/95/EC

CSN EN 60204-1 ed.2:2007, CSN EN 61000-6-1 ed.2:2007, CSN EN 61000-6-3 ed.2:2007, CSN EN ISO 12100:2011, CSN EN 953+AI:2009, CSN EN ISO 11202:2010, CSN EN ISO3746:2011.



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