

Lamininator  
**PRIME 140 C**  
Manual



**Please read this manual carefully and keep it for later reference.**

## **Technical Specifications**

Model.....	EASYLAM PRIME 140C
Length .....	1800 mm
Width .....	500 mm
Height .....	1330 mm
Height of workspace .....	1000 mm
Max. width of material .....	1400 mm
Effective roll length .....	1420 mm
Max. roll spacing .....	40 mm
Power requirements .....	230 V AC 50/60 Hz max. 5A

### **Setup**

The machine will be delivered in a wooden box.

Dimensions.....	2000 x 900 x 600 mm
Total weight .....	120 kg

For easy unpacking we recommend the use of a cordless screwdriver.

For safety reasons, mounting of the machine on its stand should be done by three persons.

## **Operation**

### **Operators**

The machine may only be operated by qualified personnel.

### **Safety equipment**

The machine features the following safety equipment:

- Left safety cover
- Right safety cover
- Safety system (slip clutch)

Make sure that your hands do not get between the rolls while the machine is operating.

EMBLEM EASYLAM PRIME 140C is equipped with a safety mechanism which uses a slip clutch to stop the rotation of the rollers. In this way serious injuries or pinching of the fingers are avoided. In the case of any mechanical or electrical alterations of this mechanism by the user, the manufacturer will not accept any liability.

The side covers designed to protect the electric equipment of the machine may only be removed by qualified personnel or by service technicians authorized by the manufacturer.

## Operation of the machine

During the start phase the operator needs to stand in front of the machine. The machine is switched on via the power switch (the power switch will turn green). By activating the switch "Speed I / Speed II" the rolls will start rotating. In the „0“ position of the speed selector, the motors of both winding shafts will remain in operation. This allows tensioning the liner (silicone paper) without the laminating rollers transporting the material.

## General information

The scrollers (1,2,3,4) are equipped with adjustable brakes. Each material has its own characteristics which can change depending on temperature, humidity, bonding agent, type of foil etc. An ideal operating condition is characterized by sufficient tension of the material on the upper roller while it is transported and applied without folds with a minimum of braking efforts. Such an ideal adjustment starts with looking for an operating condition where the brake is applied only slightly and increases in several steps as required. Too much tension on the foil must be avoided in order to prevent excessive stretching and deformation of the laminated material. Winding the liner only requires slight tensioning. For this reason, please observe that the winding clutch is adjusted correctly.

To adjust the pressure you can either use the preset functions SOFT or OPTIMAL or use the „arrow up“ and „arrow down“ keys to adjust the pressure manually. The „soft“ position is suitable for soft materials, such as foam boards. The „optimal“ position is suitable for all hard materials. Foils and paper are usually laminated with maximum pressure (manual setting). However, the optimum pressure needs to be tested prior to production in order to avoid folds between the adhesive foil and the paper.

- The machine features a safety switch which prevents the rollers from applying too much pressure
- Please always use a sample to determine the best possible pressure

In order to avoid tensions and thrusts, the material to be processed should be centered. In other words, the spaces on both sides of the material should be equal. This also applies to smaller formats. For laminating it is important that the foil matches the size of the carrier material. If it is considerably wider than the carrier material, it might stick to the roller.

In order to prevent folds, the difference between carrier format and foil should be as small as possible (not more than 2-3 cm at all sides).

## Material supply

The scrollers (1,2,3,4) can hold laminates with silicone paper as well as double-sided adhesive foil. Please note the following illustrations to insert the carrier shaft into the laminate rolls:

## Removing the scroller

- Lift up the scroller at its left side. With the lower scroller, this requires to overcome the tension of the locking mechanism.
- In order to remove the scroller, pull it from its right fastener.

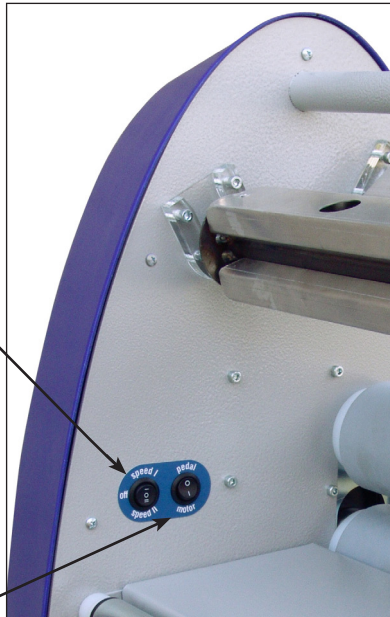
Insert the scroller into the core of the roll of material you want to use. Thanks to Autogrip material insertion, it is very easy to insert the scroller into the core and remove it again. As soon as the machine starts operating, the Autogrip function will lock the roll of material inside its core and it will rotate with the scroller.

## Inserting the scroller

- Insert the scroller into its right fastener, rotating it in a way to match the pin with the respective shaft.
- Insert the scroller into its left fastener. With the lower scroller, this requires to overcome the tension of the locking mechanism.

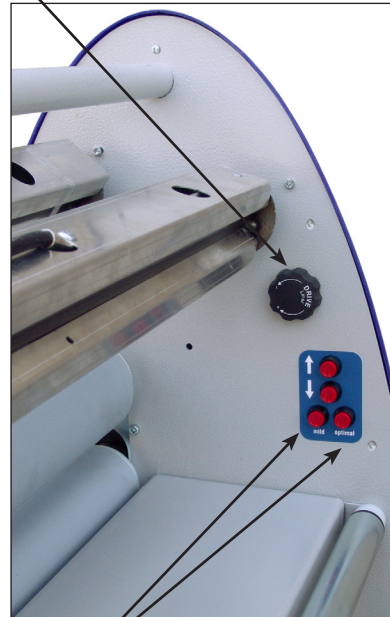
## Switches and various functions

- Speed I - 2,5 m/min.  
Speed II - 3,5 m/min.  
Off - Motor for rotating the rollers is switched off. Motors of the winding scroller remain switched on.



- Pedal/Motor – switch for selecting between continuous operation and pedal controlled operation.

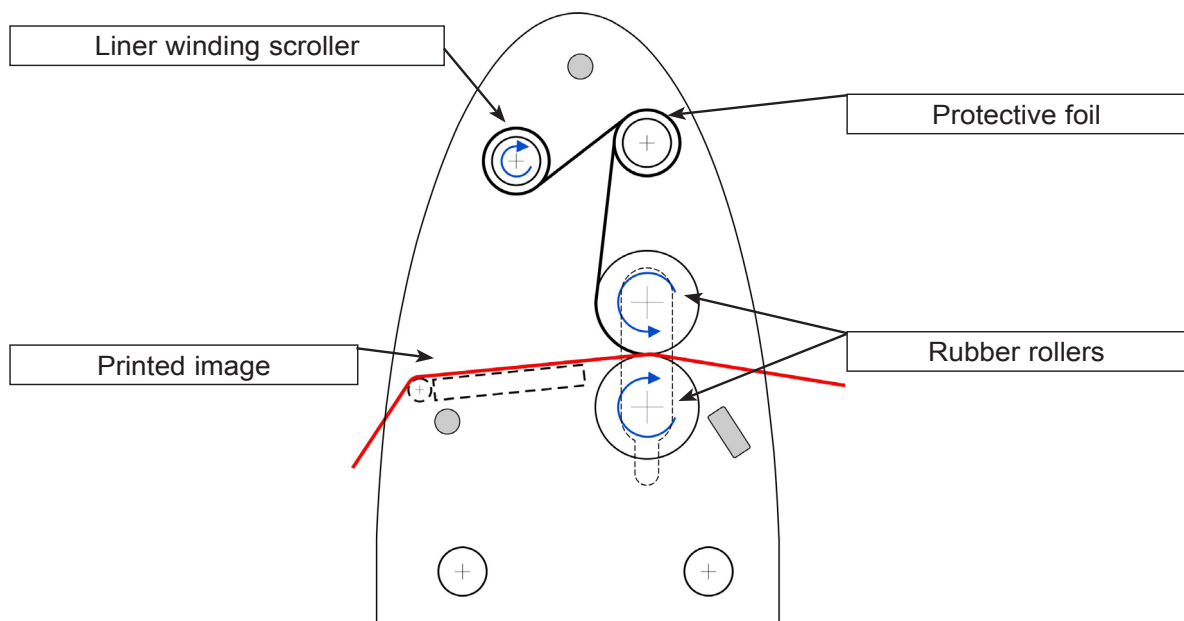
- MANUAL – Key for manual adjustment of the gap between the rollers and the roller pressure.



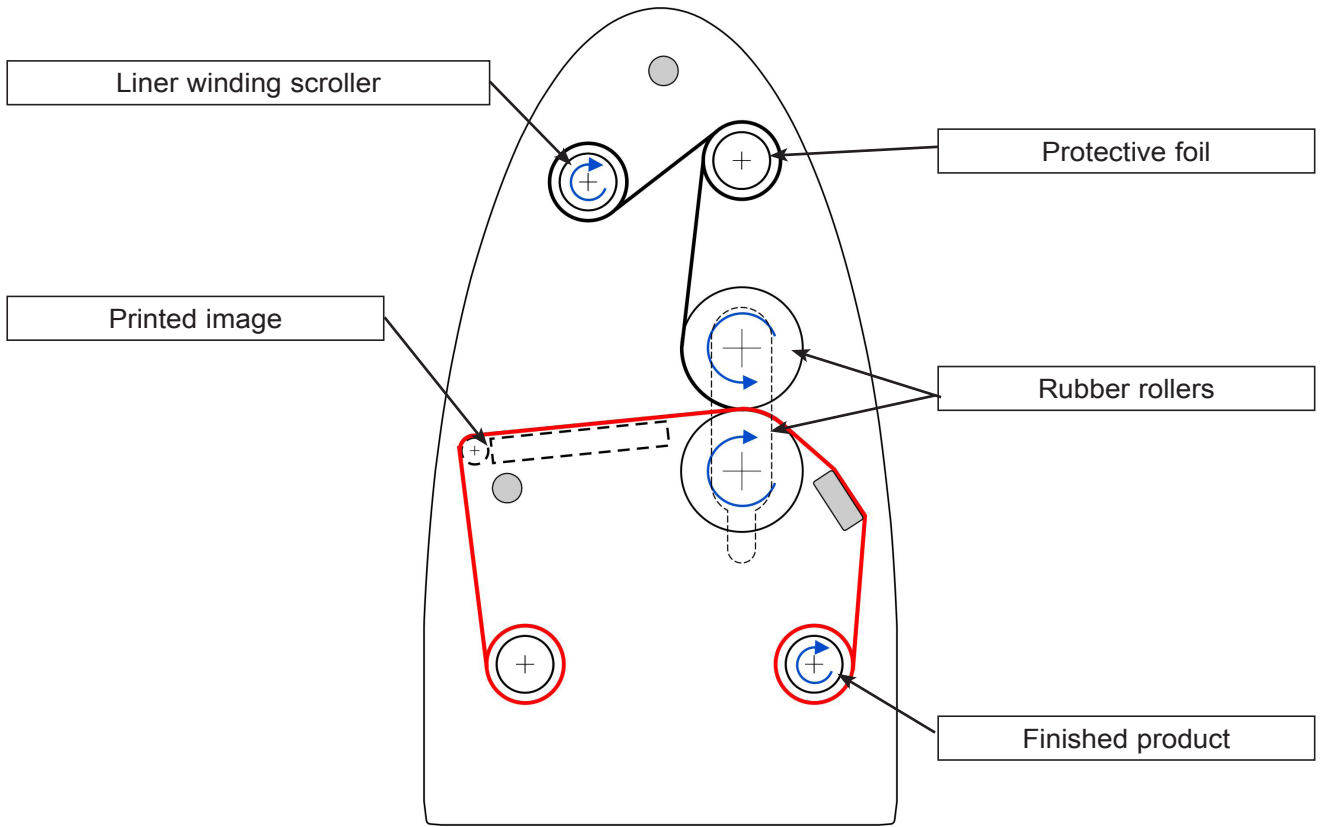
- SOFT, OPTIMAL – Keys to activate pre-set modes of the roller pressure.  
(see Operation > General information)

## INSERTING THE MATERIAL

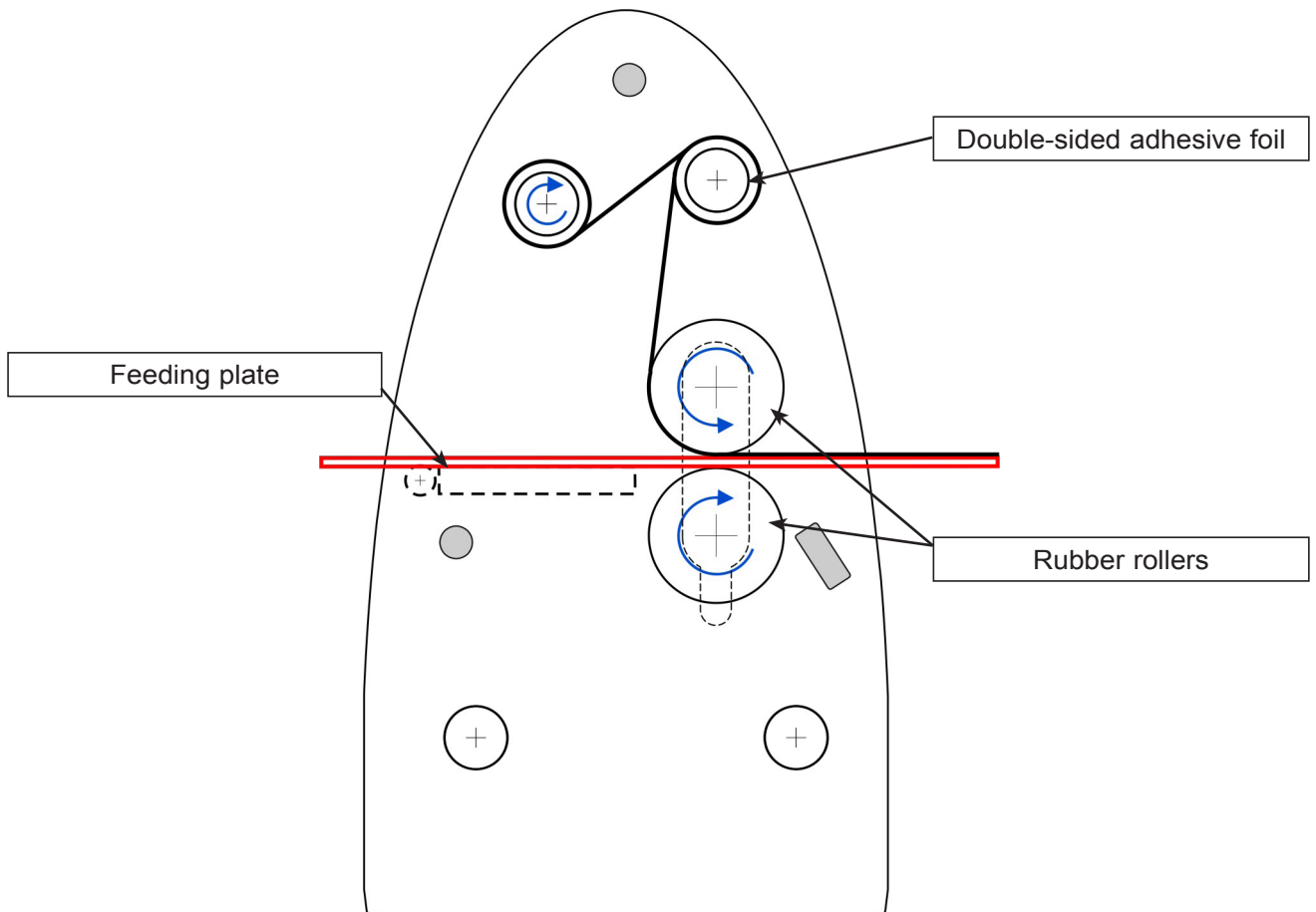
### Laminating of single format on the upper side



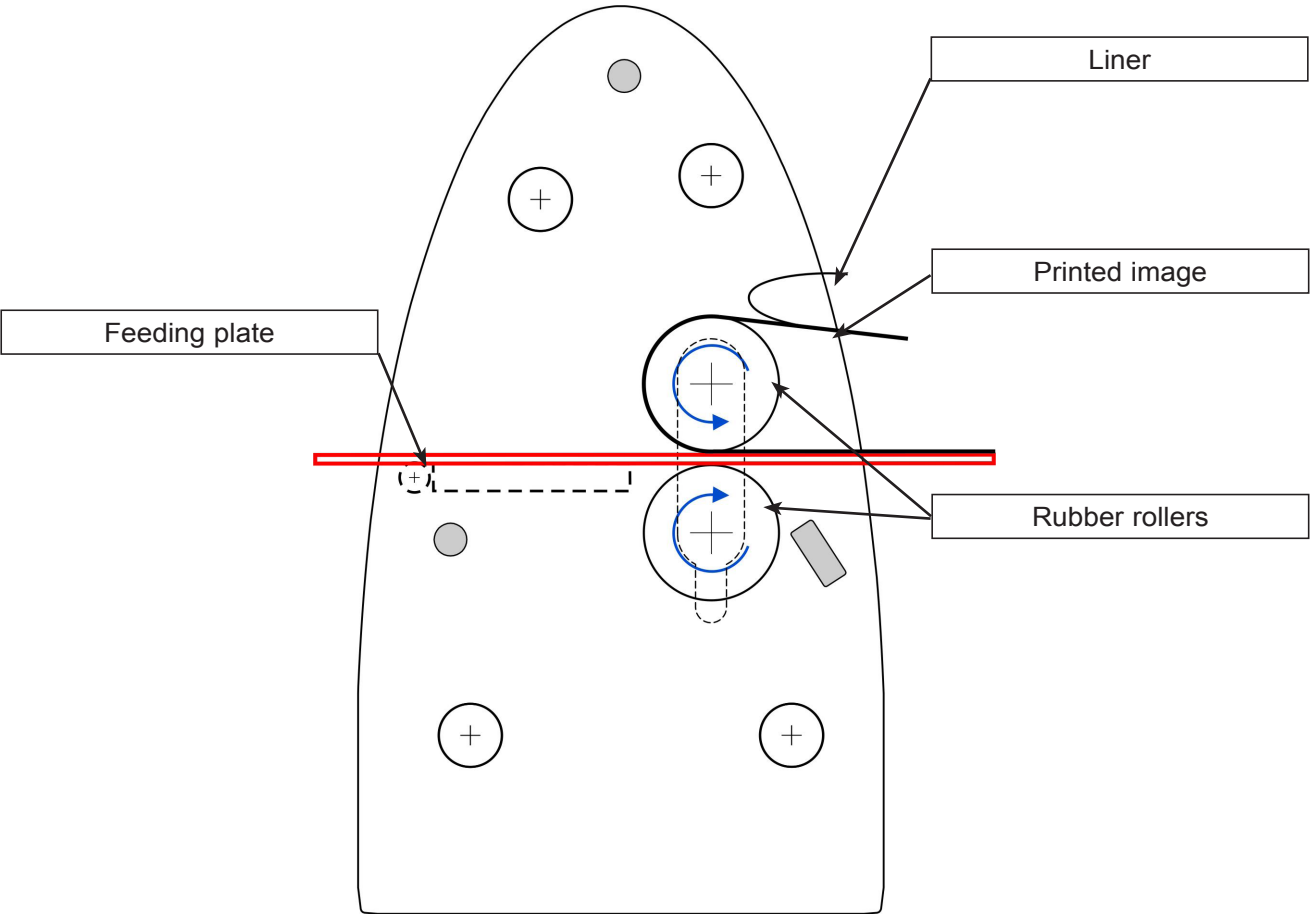
## Laminating of the upper side of materials on rolls



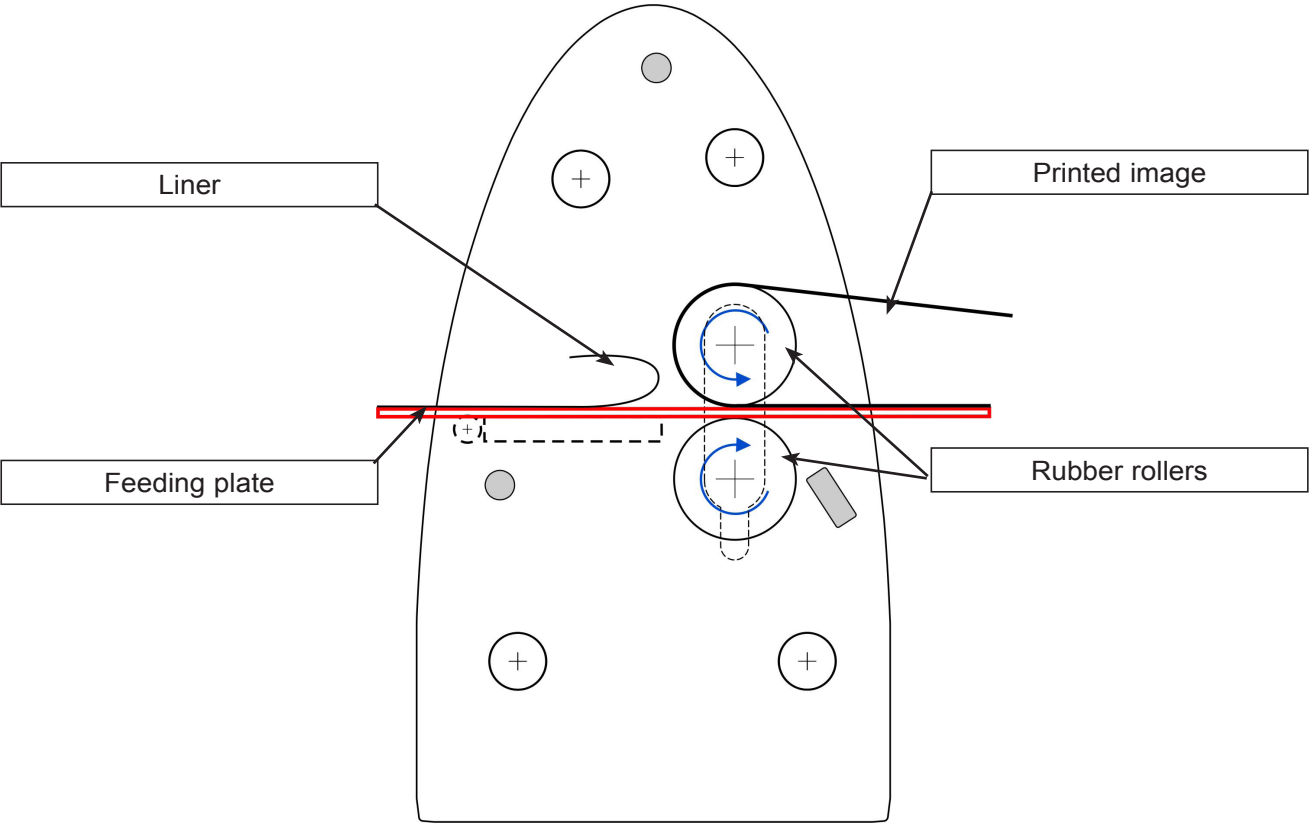
## Laminating of two-sided adhesive foil on boards



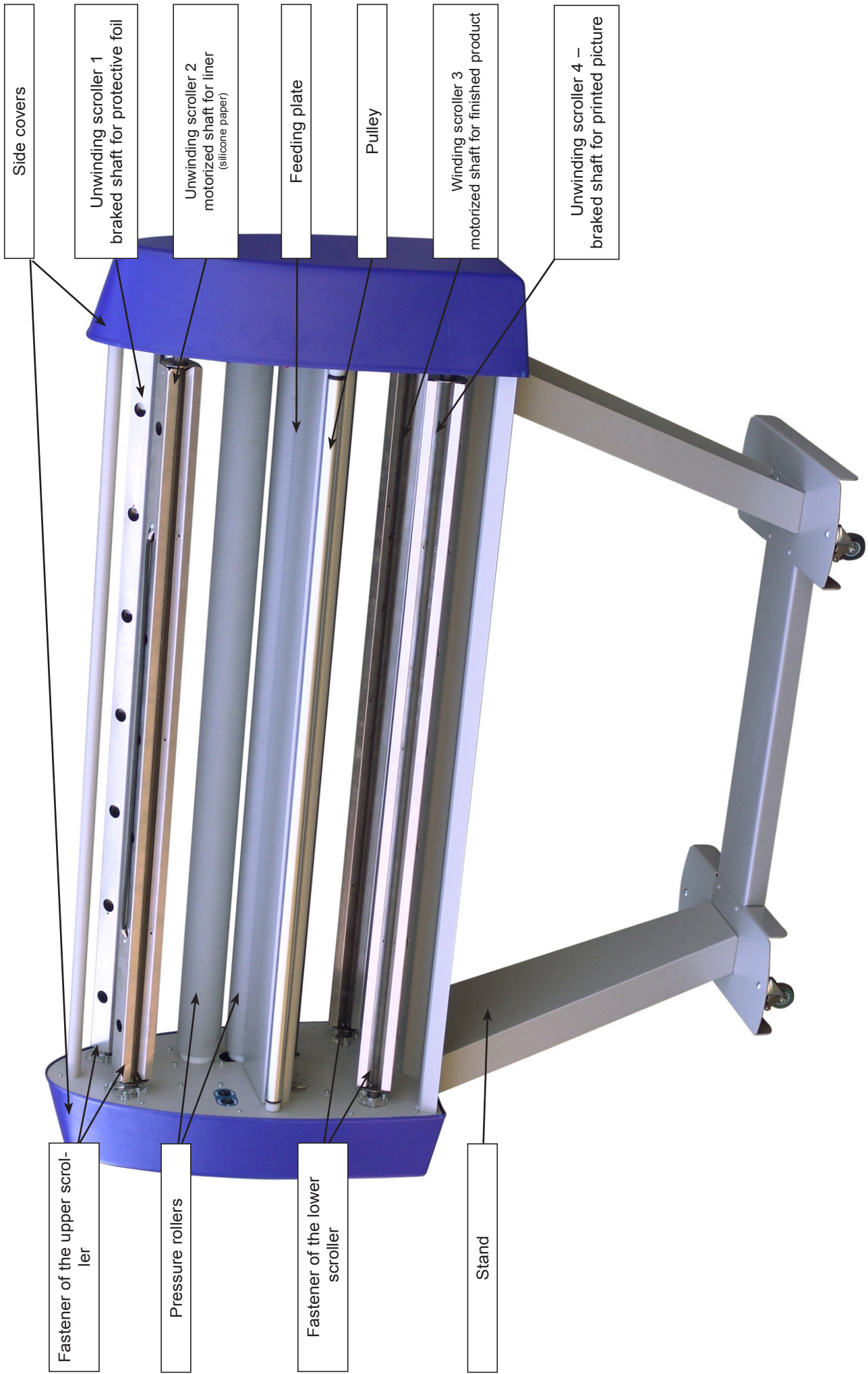
**Laminating of a picture with double-sided adhesive foil**

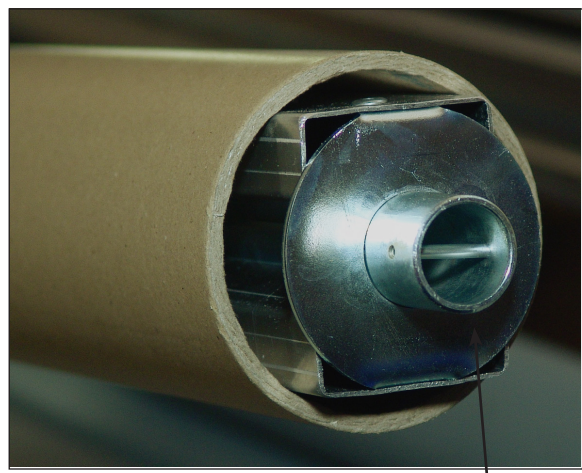
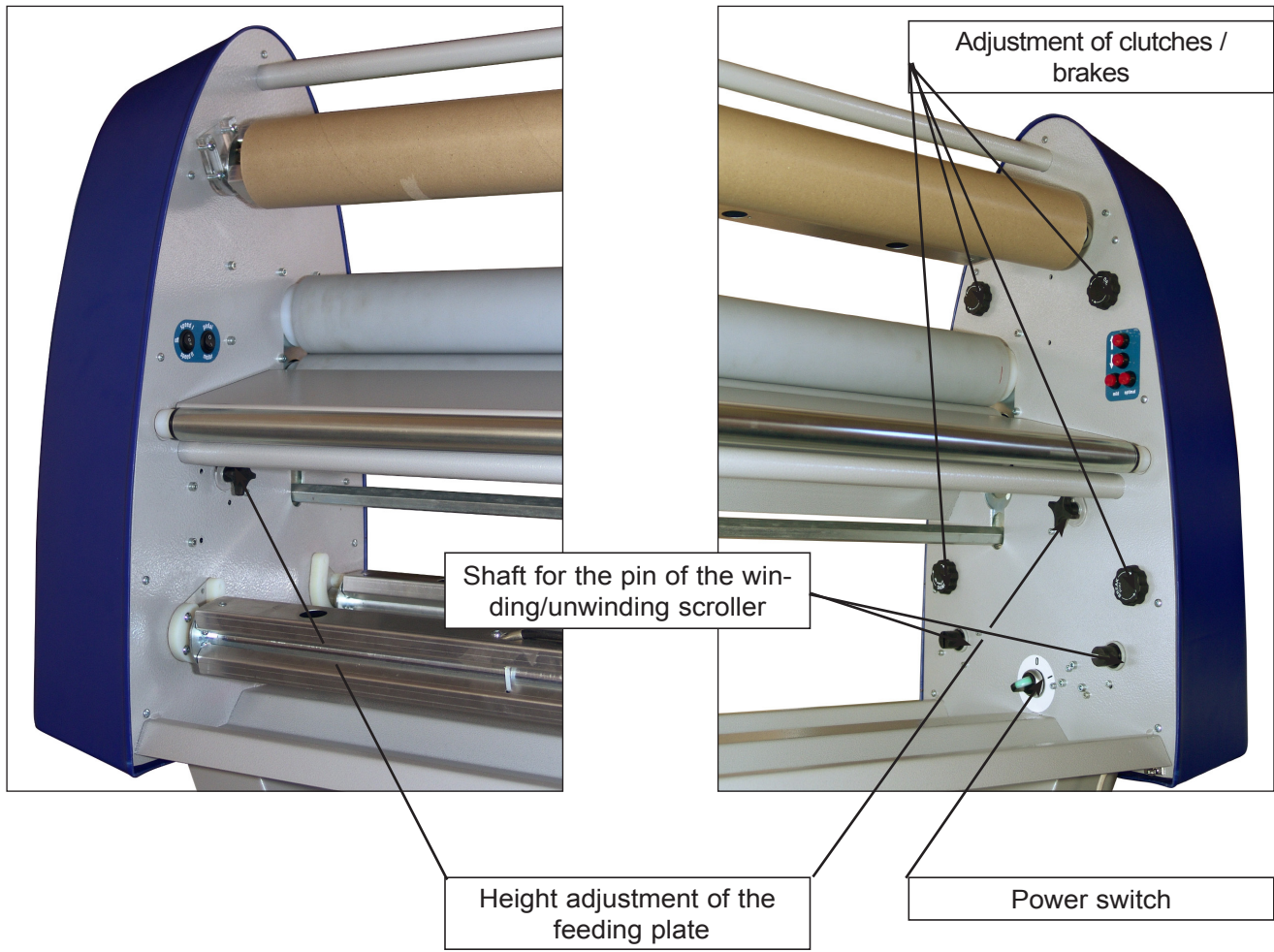


**Laminating of a picture on a board already laminated with double-sided adhesive foil**









Right side of the scroller with the pin

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