



# STARTER HR & STARTER

## 1600, 1400 and 1080

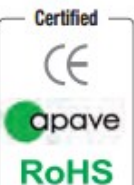
**Entry level laminator  
available in 3 widths :  
108 cm (43"), 140 cm  
(55") or 160 cm (63")**

The entry-level Starter laminator is ideally suited to the typical applications of sign-makers, photo labs, printers and any company with a requirement for low to mid volume finishing. Starter is very easy to use and can be operated by any employee in the business with perfect finishing results, adding value to your production and increasing your portfolio and sales revenue. This laminator is the perfect complement to any installation including the latest printers and cutting plotters up to 160 cm (63") width in terms of quality and productivity.



**TOP HEAT-ASSIST  
ROLLER AT 40°C**

- Single sided lamination
- Simultaneous lamination and adhesive mounting
- Application tape
- Coloured backgrounds
- Mounting onto boards up to 50 mm (2") thick



# STARTER 1600, 1400 & 1080



Very easy to use !



Feeding print...



Laminated print !



Mounting print onto a board...



Collecting the mounted board !

With Starter, Kala illustrates that a modern production machine can be made in France with European components and parts, conforming to the latest Health, Safety and Electrical regulations and still be economical than machines coming from Far East.

## Kala achieved this through consistent efforts as follows :

- A sales and marketing team knowing and anticipating the market expectations and the experience of qualified engineers acquainted with the technologies used in the other laminators of the Kala range.
- A close partnership with our technical partners and subcontractors, selected for their efficiency, earnestness and their physical proximity to Kala for reduced logistic costs and environmental footprint in the manufacture of our laminators.
- Arduous research and survey work on the quality of the components, in particular the rollers.
- A permanent flow in our supply chain and a precise tracking of all the parts used in our machines.

With the above listed strengths, Kala makes sure to guarantee your satisfaction when purchasing a Starter laminator with perfect finishing results and an amazing ease of use. The user-friendly Starter will be ideal for any workshop ensuring ease of use, even for a novice user. This lamination station will be quickly amortized based on your working volume with limited loss of laminating and printing materials.

**Self-blocking roll-shafts :**

Starter comes with 3 identical self-blocking roll-shafts for 76 mm (3") core media that can be used on any position on the laminator. No tools are required to install the media on the shaft and the graduation helps the user centre the material on the shaft quickly and easily.

These shafts are light and easy to use and can accept any media delivered on a 76 mm (3") core carton mandrel, even in a length of 100 m (110 yd) (maximum diameter of film reel usable on the machine – 21 cm (8 ¼")).



**Opening of the rollers :**



A single elevation control elevates the upper roller, with an indication of the opening on the side. Maximum opening is 5cm. The alignment of the rollers is adjusted during production and guarantees perfect lamination results at all times.

**Pressure adjustment :**



Pressure is adjusted with the single elevation control when the upper roller makes contact with the lower roller or with a board.

A LED light changes color depending on the amount of pressure applied when turning the pressure adjustment knob.

The colour on the LED display varies depending on the required application :

- Green = Mounting
- Orange = Application tape
- Red = Lamination



**Machine operation :**



The working condition of the laminator is indicated by a LED display on the control board :

- Green : Forward
- Orange : Reverse
- Red : Emergency stop is engaged or the machine has just been turned on (Safety activated). A safety reset is necessary to start operation.

- 3 position switch Forward – Stop – Reverse
- Speed adjustment : Speed can be adjusted from 1 m/mn (3 ft/mn) to 3.60 m/mn (11 ft/mn) with the cursor located on the control board



The operator safely drives the machine with a foot pedal.



#### Optional document guide and document roll holder.

This kit consists of a removable document feeding guide that allows the user to keep the media flat on the feeding table as it is fed between the rollers and a feeding bar to feed roll media to keep them clean from dust before being processed.

#### Top heat-assist roller

When activated, the upper roller heats up at 40°C (104°F) for a smoother application of the adhesive onto the image with a reduce silvering effect. Starter laminators can be ordered with this option already assembled and ready to use.

The heating option can also easily be retrofit on any model already installed on the market (qualified technician required).

#### Rewinding unit for laminated documents

A rewinding unit can be added at the back of the machine for higher volumes and more efficiency in your laminating operations in a reduced space.

## Specifications

	STARTER 1080	STARTER 1400	STARTER 1600
Mounting 50mm/2"  Adjustable speed  Diameter 21cm / 8 1/4", Film reel 100m/110 yd			
Maximum thickness print + board	50 mm ( 2" )	50 mm ( 2" )	50 mm ( 2" )
Maximum working width	1170 mm ( 46" )	1482 mm ( 58" )	1654 mm ( 65" )
Length of film reels (max. diam. 21 cm)	up to 100 m (110 yd)	up to 100 m (110 yd)	up to 100 m (110 yd)
Diameter of the rollers	74 mm max. ( 2 7/8" )	76 mm max. ( 3" )	76 mm max. ( 3" )
Nb of self blocking shafts supplied	3	3	3
Adjustable speed m/mn	from 1 m to 3,60 m	from 1 m to 3,60 m	from 1 m to 3,60 m
Adjustable speed ft/mn	from 3 ft to 11 ft	from 3 ft to 11 ft	from 3 ft to 11 ft
Heating option	available	available	available
Rewinding system for laminated prints	available	available	available
Power STARTER W / Power STARTER HR W	190 W / 1000W	190 W / 1000W	190 W / 1000W
Voltage	230 or 100V / 50 – 60 Hz	230 or 100V / 50 – 60 Hz	230 or 100V / 50 – 60 Hz
Amperage STARTER	1A 230V / 2A 110V	1A 230V / 2A 110V	1A 230V / 2A 110V
Amperage STARTER HR	2A 230V / 4A 110V	2A 230V / 4A 110V	2A 230V / 4A 110V
Weight of the machine alone	78 kg (171 lb)	105 kg (231 lb)	114 kg (251 lb)
Weight of the heating system	1,7 kg (3.7 lbs)	2 kg (4.4 lbs)	2,3 kg (5 lbs)
Weight of the machine on its stand	91 kg (200 lb)	119 kg (261 lb)	129 kg (284 lb)
Dimension of the machine alone in mm (inch)	W 1478 x D 500 x H 775 W 58" x D 19 1/2" x H 30 1/2"	W 1790 x D 500 x H 775 W 71" x D 19 1/2" x H 30 1/2"	W 1962 x D 500 x H 775 W 77" x D 19 1/2" x H 30 1/2"
Dimension of the machine on its stand mm (inch)	W 1478 x D 530 x H 1465 W 58" x D 21" x H 57"	W 1790 x D 530 x H 1465 W 71" x D 21" x H 57"	W 1962 x D 530 x H 1465 W 77" x D 21" x H 57"
Shipping dimension of the machine cm / Weight kg	W 185 x D 60 x H 90 / 122 kg	W 185 x D 60 x H 90 / 160 kg	W 200 x D 60 x H 90 / 170 kg
Shipping dimension of the machine in inch / Weight lb	W 73" x D 24" x H 36" / 268 lb	W 73" x D 24" x H 36" / 330 lb	W 79" x D 24" x H 36" / 375 lb
Working table height	99,5 cm (39")	99,5 cm (39")	99,5 cm (39")
Warranty	1 year	1 year	1 year

Made in France, CE certified in accordance with the European Machinery Directives and Electromagnetic compatibility

