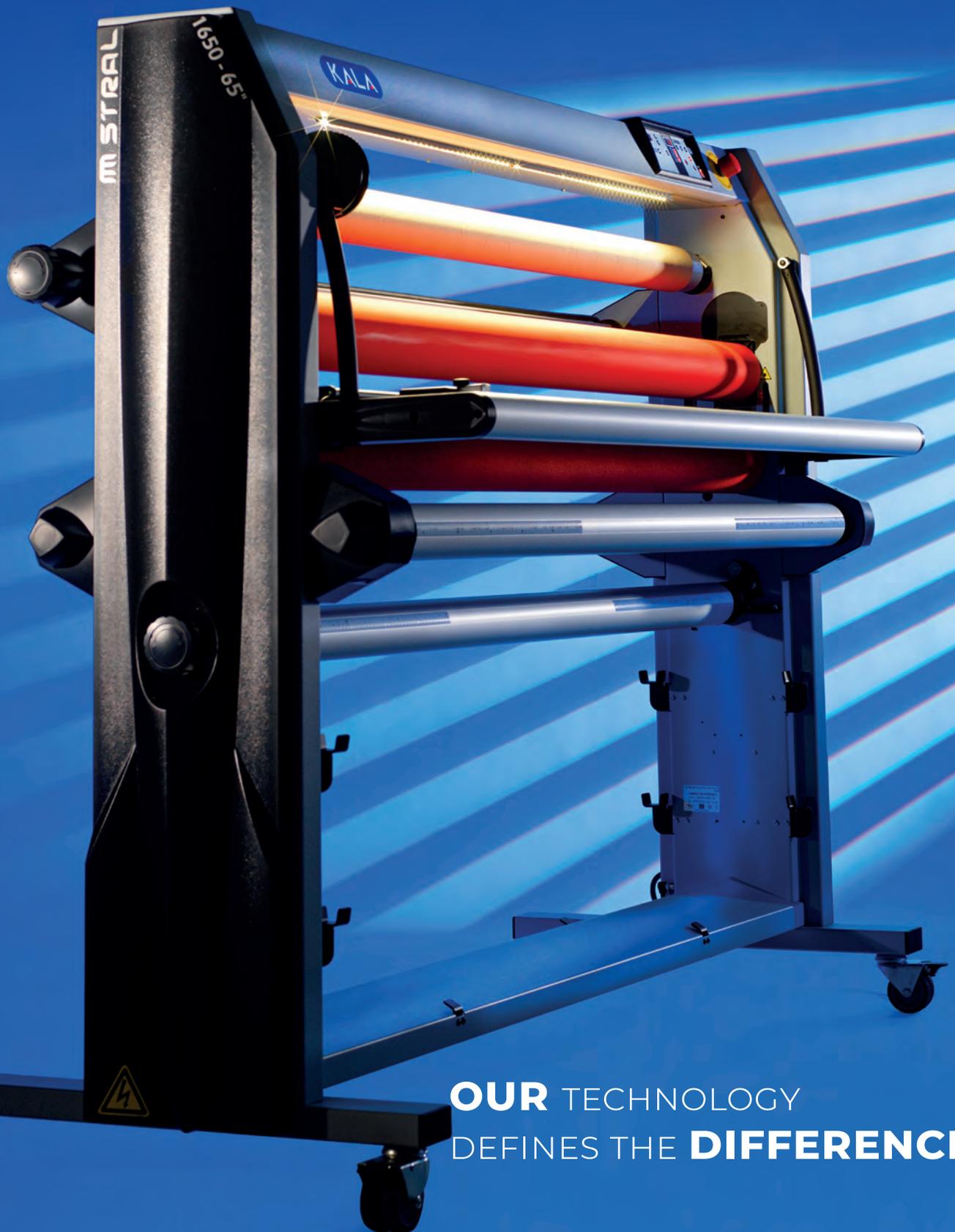


# KALA

## Lamination stations



**OUR** TECHNOLOGY  
DEFINES THE **DIFFERENCE**





# LAMINATION STATION



## The paramount choice for wide format finishing

Since their inception in 2008, KALA laminators continue to be recognised as industry leaders in wide format print finishing departments across the world. More than just a laminator, KALA creates the « Lamination Station » enabling operators to increase productivity, reduce waste thus maximising profit in their finishing operation. Our machines Mistral, Arkane and Atlantic use the same platform and operate the same way, with different features in pressure and temperature.

- Waste free Lamination. Very limited waste when loading media and perfect results from start to finish. No need to reprint because of finishing errors
- Unsupervised roll to roll laminating with perfect results
- Exceptionally intuitive control board makes it easy to operate, for both skilled and new operators.
- **Patented Auto Calibration System** constantly monitors pressure and eliminates skewing.
- Silicon rollers designed to disperse pressure evenly throughout the entire width
- Compact footprint

## Suitable for all your wide format finishing jobs



Mounting up to 50 mm (2") thick

MISTRAL 2100

Single or both sides lamination in one go, sheet fed



MISTRAL 1650



Premask application

ARKANE 1650

Single or both sides lamination in one go, roll to roll



ARKANE 1650 TS

Technology transforms performance

KALA Mistral, Arkane, Atlantic share the same base features.

Our engineers have designed this range based on the innovation described hereby. The result: high performances and easy to use equipment, which turns into an increase of your profitability.

### • EXCLUSIVE: PATENTED AUTO CALIBRATION SYSTEM

The nip of the rollers is constantly monitored and automatically corrected if required even during the laminating process. Pressure level is consistent throughout the width of the media, regardless of the width. A smooth and regular feed of the media for perfect results from start to finish, without changing adjustment during the operation.

### • ROLLERS

No compromise with quality. We select the best steel in the appropriate diameter and thickness. A larger diameter of the roller does not necessarily constitute a better lamination result.

Our steel rollers are coated with our proprietary blend of polymeric materials varying in hardness depending on the laminator selected (thermal conduction, non-sticky surface, higher resistance...).

They are converted following a designated shape carefully studied to ensure that the prints will be processed perfectly, for short and long runs. The combine features of hardness and uniform heat dispersion secure the highest quality level in your finishing operation which other products can't offer, even with larger roller diameter.

### • THE FRAME

The frame consists of welded steel, to form a one piece chassis that guarantees stability and steadiness. As a consequence, lamination works don't skew.

### • HEATING SYSTEM

Temperature is measured in the centre of the heating roller for an accurate information, notwithstanding the width of the lamination job. Heating is supplied by an infra-red heating element, designed for giving a precise and constant temperature throughout the entire width of the roller.



## Performance beyond expectations

### • ROLL TO ROLL

Best performing first choice laminator amongst wrapping studios and high-volume print shops that process full printed rolls.



Easily loaded, a full roll of printed media up to 100 metres (328 ft.) will be laminated perfectly straight and rewound without any skewing. This process can be carried out unsupervised resulting in free time for the operator to perform other tasks. With the recent introduction of a remote-control option, the operator can control certain functions from a distance optimizing the effectiveness of time.

Maximize  
productivity

### • ROLL GAP

The gap between the rollers is adjustable up to 50 mm (2"), suitable for a broad range of applications.

Elevation is operated by 2 electrical motors controlled electronically (auto-calibration) and the pressure is even throughout the working width. Pressure is adjusted on the material itself and not with pre-set positions or compressor assistance.

### • WORKING SPEED

Speed is adjustable up to 6,5 m/minute (21'/minute).

Designed to avoid unanticipated fast starts, the roller gently ramps up to the set speed notably reducing the likelihood of operator handling errors.

In our opinion, higher speed offered by competitive products should not be a major selection criteria, because it would deteriorate the job quality and would not benefit to your organisation.

### • MEDIA REEL DIAMETER

Our laminators will accommodate rolls up to 100 m (328') with a maximum diameter of 9".



# Control and safety

Every standard feature is designed and integrated to enhance the quality, efficiency and profit performance of your finishing operations.

## • CONTROL PANEL

Intuitive and easy to use, all functions are accessible from the ideally positioned control panel. The panel consists of 4 sections, one for each function hereby listed.



Temperature selection and memorization of the working parameters.

Elevation of the upper roller and pressure adjustment.

- Foot switch selection and power button (when switching the machine off, the top roller automatically elevates thus preserving the integrity of the rollers).
- Speed adjustment, forward, stop, reverse, and re-setting safety features.

## • SAFETY

Safety first

**At KALA, we consider operator safety an essential design element and unlike other exotic products, we strictly comply with the latest machinery directives.**

1. Self-checking Laser eye prevents operator injuries
2. Safety switch on swing out infeed tray stops the rollers from turning when in the upward position
3. 2 emergency stop switches easily accessible from the front and back of the machine.
4. When any of the safety features are triggered, the reset button on the control panel will flash red. Simply pressing the reset button will reactivate the system.
5. An audible beep sound will indicate the reverse mode has been engaged.



## • FOOTSWITCH

When selected, the multi-function footswitch activates stop and go lamination, leaving hands free when feeding wider prints.

When not selected, the multi-function footswitch, will switch off the driving motor without using the control panel.

Useful for mounting application, the footswitch operation when selected, deactivates the safety laser eye.



## Quick and easy loading of the media

### SELF-BLOCKING AND UNWINDING SHAFTS

Our lightweight and graduated self-blocking roll-shafts save you time when loading media. Contrary to systems using locking rings or pivoting shafts, no tools are required and a much smaller work area is occupied when loading media.

Our roll-shafts can be used in any dispensing or rewinding positions and inserted in either directions. Loading media is easily achieved by one person only.



Built in storage space for up to 4 rolls of media is located in the bottom section of the laminator. Extra roll-shafts are available as an option. Materials are safely stored on a roll-shaft horizontally and easily reachable for quick media changeover.

In addition to the 5 self-blocking shafts, our laminators come standard with a scrolling bar ideal for short batch of prints. This shaft can be placed in any one of the 4 storage slots or any free position on the machine. It will protect your prints from dust before lamination.



Graduated self-blocking shaft



Unwinding shaft

**Quick and efficient**

### EASY LOADING OF MEDIA

KALA laminators are designed to enable quick media changes with minimal waste of material. A powder coated metal feeding plate that minimizes wastage is included with the machine and stored in its designated place on the laminator.



The in-feed tray pivots upwards allowing full and secure access for easy unobstructed loading of the media. When placed in the upward position, the driving motor will not operate, securing the operator from any injury during the loading operation.

### IN-FEED TRAY

Feeding prints made easy thanks to the removable media guide.

Squaring guide for processing rigid panels in series.

Thick feeding tray with bullnose edge to prevent prints from being damaged while feeding.



## ● OUTPUT TRAY

An aluminium output tray maintains and guides the media. The output tray is not required when performing roll-to-roll and it is easily removed and stored in its designated location at the base of the machine.



A safety cutter is included to avoid damage to the rollers. The magnet on the safety cutter makes it easily accessible allowing it to be placed on any part of the steel frame.

## ● LIMITED FLOOR SPACE AND EASY ACCESS TO ALL ADJUSTMENT

The machine occupies a limited space, leaving free access and allowing effortless media changes. All adjustments are easily reachable and all film tension adjustments remain unchanged from one roll to another.



**MISTRAL 1650  
DUAL FEEDING**

## ● IN LINE SLITTING (OPTIONAL)

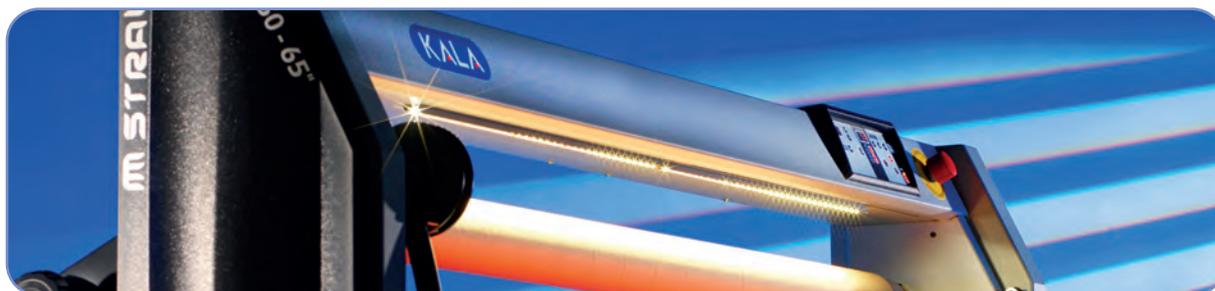


### **In line slitting system**

Delivered with two cutting heads. The heads can be locked in various positions:

- cuts laminated prints as they exit the main rollers
- cuts lamination film before entering the main rollers. Ideal for applications where the laminating film is wider than the print.

This optional slitting device is available for Mistral, Arkane in 1650 mm (65") and 2100 mm (83") and for Atlantic 1650 mm (65")



## LED light kit

Ideal for lighting up the in-feed tray just prior to inserting the print and for one final inspection before feeding it through the rollers.

Ref. MP 601820 Pour laize 1650 mm – 65"  
Ref. MP 621820 Pour laize 2100 mm – 83"



## Antistatic string with magnets

Perfect to unload static generated by lamination and print media, in particular those with a polyester liner backing.

Ref. MP 601840  
Pour laize 1650 mm – 65"  
Ref. MP 621840  
Pour laize 2100 mm – 83"

## Self-blocking shaft

Graduated media shafts. Usable from the storage position and compatible with our complete range of flat-bed AppliKators and KalaXY trimmers.

Ref. AX165076 Pour laize 1650 mm – 65"  
Ref. AX210076 Pour laize 2100 mm – 83"



## Remote control

The remote control allows the operator to set drive function from a distance.

Retrofitable on site, we recommend contacting an authorized KALA dealer prior to purchasing to verify if any electronic modifications are required.

Ref. REMOTE

## Gas lift

For a soft closure of the in-feed tray when in upper position. This feature offers additional safety for high traffic work areas.

Ref. GASLIFT1650 Pour laize 1650 mm – 65"  
Ref. GASLIFT2100 Pour laize 2100 mm – 83"



# Compatibility of options

Options	Mistral 1650 Mistral Dual feeding	Mistral 2100	Arkane 1650, Dual feeding, Double heat, TS	Atlantic 1650
	1650 – 65"	2100 – 83"	1650 – 65"	1650 – 65"
In line slitting with tray, for machines delivered before July 2019 	ILCT 1650	ILCT 2100	ILCT 1650	N/A
In line slitting without tray, for machines delivered after July 2019 	ILC 1650	ILC 2100	ILC 1650	ILCA 1650
Blade holder for ILC, blade included	ILCM			ILCMA
Replacement blades for ILC - pack of 5	CA50-032/5			
Remote control 	REMOTE			
Gas lift To slow down the descent of the feeding tray when in upper position. <i>Included with all machines sold in the USA and Canada</i> 	GASLIFT 1650	GASLIFT 2100	GASLIFT 1650	GASLIFT 1650
Self-blocking shaft 	AX165076	AX210076	AX165076	AX165076
Antistatic string with magnets 	MP601840	MP621840	MP601840	MP601840
LED lighting kit <i>Included with all machines sold in the USA and Canada</i> 	MP601820	MP621820	MP601820	MP601820

## STANDARDS



All products in this range are made in France and CE certified in compliance with the latest machine directives for:

- Electromagnetic compatibility
- Electrical safety
- User safety



**RoHS**

Testing to obtain this certification have been performed by recognized laboratories (Apave, Emitech) with a strict obedience to the official directives. This differs from certification of exotic products, which may simply consist in an auto-certification by its manufacturer. Tests results of KALA machines are available upon demand.

## SERVICE

KALA laminators are designed and built to last. You will acquire this machine with a vision to cope with your development and growth plans for a number of years. A KALA machine is an investment and not a consumable.

Most of our machines delivered 10 years ago are still working today.

We keep tracking of all parts for each serial number produced on our premises. We engage in keeping the wearing parts in our inventory **for 10 years** after the production termination date.

# Technical data

	Mistral 1650		Mistral 2100	Arkane 1650			Atlantic 1650
		Dual feeding			Dual feeding	Double heat	
Maximum film width	1650 – 65"	1650 – 65"	2080 – 82"	1650 – 65"	1650 – 65"	1650 – 65"	1650 – 65"
Maximum working width	1710 – 67"	1710 – 67"	2160 – 85"	1710 – 67"	1710 – 67"	1710 – 67"	1710 – 67"
Heating modes							
Temperature adjustment (°C – °F)	30 – 60 °C 86 – 140 °F	30 – 60 °C 86 – 140 °F	30 – 100 °C 86 – 212 °F	30 – 140 °C 86 – 284 °F			
Autocalibration system	✓	✓	✓	✓	✓	✓	✓
Roller nip opening 50 mm - 2"	✓	✓	✓	✓	✓	✓	✓
Shafts delivered with the machine	5	7	5	5	7	5	5
Scrolling bar	✓	✓	✓	✓	✓	✓	✓
<b>Printing compatibility by print categories</b>							
Solvent, aqueous, Latex, screen printing, Offset...	✓	✓	✓	✓	✓	✓	✓
UV printing			✓	✓	✓	✓	✓
<b>Use with PSA adhesive films: single side lamination, encapsulation, pre-mask</b>							
	✓	✓	✓	✓	✓	✓	✓
<b>Use with thermal films</b>							
Up to 250 μ				✓	✓	✓	✓
Up to 320 μ							✓
Encapsulation							✓
Mix of thermal and PSA films				✓	✓	✓	✓
Warranty 2 years	✓	✓	✓	✓	✓	✓	✓
<b>Made in France</b>							

Find more information about our product range at [www.kala.fr](http://www.kala.fr) or check with your local authorized distributor.



2, rue de l'Ecotay  
35410 Nouvoitou  
**France**

Tel.: +33 (0) 299 37 64 64  
E-mail: [info@kala.fr](mailto:info@kala.fr)  
[www.kala.fr](http://www.kala.fr)

PO BOX 1114  
Keller, TX. 76244-1114  
**USA**

Tel.: 214 766 6191  
E-mail: [info@kala.fr](mailto:info@kala.fr)  
[www.kala.fr](http://www.kala.fr)



# KALA

## MISTRAL 1650

Unbeaten  
performances  
at this price  
level



Do you know  
the difference?  
Scan the  
QR code and  
find out

<https://vimeo.com/470248501>



### STATE OF THE ART LAMINATION STATION FOR ECO-SOLVENT, LATEX, OFFSET AND SCREEN PRINTS

- Working width 165 cm (65")
- Nip roller opening up to 50 mm (2")
- Top heated roller from 30 to 60 °C – 86 to 140 °F
- Lamination speed up to 6,5 m/minute (21 ft/mn)
- Manual feeding of the print or roll to roll operation
- Adjustable pressure level corresponding to the media processed
- Kala's patented auto-calibration system constantly monitors the pressure and parallelism of the rollers
- Single side lamination, encapsulation in one pass, pre-mask, mounting up to 5 cm – 2" thick

# MISTRAL 1650



Front and rear view in a Roll to Roll configuration  
Included options Gas lift, LED light kit and in line slitting

## AVAILABLE OPTIONS

**Gas lift** to slow down the descent of the feeding tray

**In line slitting**  
Cuts laminated prints as they exit the roller or the film before lamination

**LED lighting**  
Ideal for lighting up your lamination working space

**Anti-static string with magnets**  
Perfect to unload static generated by lamination and print media



**Remote control**  
Allows the operator to set drive function from a distance



**Shaft**  
Graduated media shafts. Usable from the storage position

## TECHNICAL DATA

Maximum thickness media + board	50 mm (2")
Maximum working width	171 cm (67")
Maximum film width	165 cm (65")
Usable length of lamination media	50 / 100 m (max. diam. 23 cm/9")
Diameter of the roller	114 mm (4 1/2") max.
Temperature of the heating roller	30 to 60 °C in steps of 5° (86 to 140 °F in steps of 9 °F)
Heating time from room temperature to 40 °C (86 °F)	7 minutes
Shafts delivered with the machine	5 shafts + 1 scrolling bar
Adjustable speed	0,3 to 6,5 m/mn - 0,9 to 21 ft/mn
Power W – Voltage – Amps	1800 W – 230 or 110 V / 50-60 Hz – 8A/230 V or 16 A/110V
Dimensions of the machine L x D x H (cm/inch)	206 x 82 x 153 / 81" x 32" x 60"
Net weight of the machine	210 kg (462 lb)
Shipping dimensions L x D x H (cm/inch)	215 x 95 x 170 / 85" x 38" x H 67"
Shipping weight	310 kg (683 lb)
Warranty	2 years
Made in France, CE certified, based on European Machines Directives and electromagnetic compatibility CEM & FCC	

Find more information about this machine and our product range at [www.kala.fr](http://www.kala.fr) or click on the link below

[General Documentation](#)

## MISTRAL 1650 – DUAL FEEDING

Unique  
productive  
feature



Do you know  
the difference?  
Scan the  
QR code and  
find out

<https://vimeo.com/470248501>



### IDEAL FOR WORKSHOP WITH HIGH PRODUCTION AND WILLING TO IMPROVE PRODUCTIVITY FINISHING

- Compatible with all kinds of print and media, and best results with eco solvent, latex, offset, screen printing prints
- Working width 165 cm (65")
- Ideal for large production or frequent changes of media. Save time and operator efforts in film loading operations with media already set on the machine & ready for a quick media installation on the laminator
- Top heated roller from 30 to 60 °C – 86 to 140 °F
- Nip roller opening up to 50 mm (2")
- Lamination speed up to 6,5 m/minute (21 ft/mn)
- Adjustable pressure level corresponding to the media processed
- Kala's patented auto-calibration system constantly monitors the pressure and parallelism of the rollers
- Single side lamination, encapsulation with pressure sensitive adhesive in one pass, pre-mask, mounting up to 5 cm – 2" thick.

# MISTRAL 1650 – DUAL FEEDING



Front and rear and side views



Clutch system to select one reel and brakes

## INCLUDED OPTION

**Gas lift** to slow down the descent of the feeding tray



## AVAILABLE OPTIONS

### LED lighting

Ideal for lighting up your lamination working space



### Remote control

Allows the operator to set drive function from a distance



### In line slitting

Cuts laminated prints as they exit the roller or the film before lamination



### Shaft

Graduated media shafts. Usable from the storage position



### Antistatic string with magnets

Perfect to unload static generated by lamination and print media



## TECHNICAL DATA

Maximum thickness media + board	50 mm (2")
Maximum working width	171 cm (67")
Maximum film width	165 cm (64")
Usable length of lamination media	Max. diam. 23 cm / 9"
Diameter of the roller	114 mm / 4 1/2" max.
Temperature of the heating roller	30 to 60 °C in steps of 5° (86 to 140 °F in steps of 9 °F)
Heating time from room temperature to 40 °C (86 °F)	7 minutes
Shafts delivered with the machine	7 shafts + 1 scrolling bar
Adjustable speed	0,3 to 6,5 m/mn - 0,9 to 21 ft/mn
Power W / Voltage / Amps	1800 W / 230 or 110 V / 50-60 Hz / 8A/230 V or 16 A/110V
Dimensions of the machine L x D x H (cm/inch)	206 x 82 x 153 / 81" x 32" x 60"
Net weight of the machine	230 kg (500 lb)
Shipping dimensions L x D x H (cm/inch)	215 x 95 x 170 / 85" x 38" x 67"
Shipping weight	330 kg (727 lb)
Warranty	2 years
Made in France, CE certified, based on European Machines Directives and electromagnetic compatibility CEM & FCC	

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[General Documentation](#)

**KALA**

Made in France

CE

RoHS

## MISTRAL 2100

For wide  
format and  
large board  
requirements



Do you know  
the difference?  
Scan the  
QR code and  
find out

<https://vimeo.com/470248501>



### A PERFECT COMPLEMENT TO FLAT BED PRINTERS

- Incredible sealing results with all kinds of print and media, particularly UV prints, even with the largest ink drops and the most irregular surfaces.
- Working width 210 cm (83")
- Extra width offers more comfort for large board lamination and therefore less possible damage during handling.
- Top heated roller from 30 to 60 °C – 86 to 140 °F
- Nip roller opening up to 50 mm (2")
- Lamination speed up to 6,5 m/minute (21 ft/mn)
- Adjustable pressure level corresponding to the media processed
- Single side lamination, encapsulation with pressure sensitive adhesive in one pass, pre-mask, mounting up to 5 cm – 2" thick
- Kala's patented auto-calibration system constantly monitors the pressure and parallelism of the rollers

# MISTRAL 2100



Roll to roll and mounting



For roll lifters, ask us about our RollJack

## INCLUDED ACCESSORIES

### Gas lift

To slow down the descent of the feeding tray



## AVAILABLE OPTIONS

### LED lighting

Ideal for lighting up your lamination working space



### Remote control

Allows the operator to set drive function from a distance



### In line slitting

Cuts laminated prints as they exit the roller or the film before lamination



### Shaft

Graduated media shafts. Usable from the storage position



### Antistatic string with magnets

Perfect to unload static generated by lamination and print media



## TECHNICAL DATA

Maximum thickness media + board	50 mm (2")
Maximum working width	216 cm (85")
Maximum film width	208 cm (82")
Usable length of lamination media	50 / 100 m (max. diam. 23 cm/9")
Diameter of the roller	119 mm (4 2/3") max.
Temperature of the heating roller	30 to 60 °C in steps of 5° (86 to 140 °F in steps of 9 °F)
Heating time from room temperature to 40 °C (86 °F)	7 minutes
Shafts delivered with the machine	5 shafts + 1 scrolling bar
Adjustable speed	0,3 to 6,5 m/mn - 0,9 to 21 ft/mn
Power W – Voltage – Amps	1800 W – 230 or 110 V / 50-60 Hz – 8A/230 V or 16 A/110V
Dimensions of the machine L x D x H (cm/inch)	257 x 82 x 153 / 101" x 32 1/2" x 60"
Net weight of the machine	257 kg (566 lb)
Shipping dimensions L x D x H (cm/inch)	264 x 96 x 185 cm / 104" x 38" x 73"
Shipping weight	460 kg (1015 lb)
Warranty	2 years
Made in France, CE certified, based on European Machines Directives and electromagnetic compatibility CEM & FCC	

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[General Documentation](#)



# KALA

## ARKANE 1650

Solid and  
robust for  
intensive use



### HIGH QUALITY RESULTS FOR THE MOST DEMANDING JOBS

- Incredible sealing results with all kinds of print and media, particularly UV prints, even with the largest ink drops and the most irregular surfaces
- Working width 165 cm (65")
- Top heated roller from 30 to 140 °C – 86 to 284 °F
- Nip roller opening up to 50 mm (2")
- Lamination speed up to 6,5 m/minute (21 ft/mn)
- Adjustable pressure level corresponding to the media processed
- Single side lamination, encapsulation with pressure sensitive adhesive in one pass, pre-mask, mounting up to 5 cm (2") thick, use of polyester thermal film on the upper side
- Kala's patented auto-calibration system constantly monitors the pressure and parallelism of the rollers

# ARKANE 1650

## —• ARKANE 1650



Front and rear views

## —• ARKANE 1650 D



Same as Arkane.  
Dual heating top and bottom, for technical works with media requiring heat to reactivate adhesive backing

## —• AVAILABLE OPTIONS

**Gas lift** to slow down the descent of the feeding tray



**In line slitting**  
Cuts laminated prints as they exit the roller or the film before lamination



**LED lighting**  
Ideal for lighting up your lamination working space



**Anti-static string with magnets**  
Perfect to unload static generated by lamination and print media



**Remote control**  
Allows the operator to set drive function from a distance



**Shaft**  
Graduated media shafts.  
Usable from the storage position

## —• TECHNICAL DATA

Maximum thickness media + board	50 mm (2")
Maximum working width	171 cm (67")
Maximum film width	165 cm (65")
Usable length of lamination media	50 / 100 m (max. diam. 23 cm / 9")
Diameter of the roller	119 mm (4,7") max.
Temperature of the heating roller	30 to 140 °C (86 to 284 °F) – Arkane D: separate heating of the 2 rollers
Heating time from room temperature to 40 °C (86 °F)	7 minutes
Shafts delivered with the machine	5 shafts + 1 scrolling bar
Adjustable speed	0,3 to 6,5 m/mn - 0,9 to 21 ft/mn
Power W – Voltage – Amps	1800 W – 230V 8A – 50-60 Hz – Arkane D : 3400 W – 230V 16A – 50-60 Hz
Dimensions of the machine L x D x H (cm/inch)	206 x 82 x 153 / 81" x 32" x 60"
Net weight of the machine	210 kg (462 lb)
Shipping dimensions L x D x H (cm/inch)	215 x 95 x 170 / 85" x 38" x H 67"
Shipping weight	310 kg (683 lb)
Warranty	2 years
Made in France, CE certified, based on European Machines Directives and electromagnetic compatibility CEM & FCC	

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[General Documentation](#)

**KALA**

Made France  
CE  
RoHS

# KALA

## ARKANE 1650 TS

Strong and  
robust for  
intensive use



### HIGH QUALITY RESULTS FOR THE MOST DEMANDING JOBS

- Incredible sealing results with all kinds of print and media, particularly UV prints, even with the largest ink drops and the most irregular surfaces
- Working width 165 cm (65")
- Top heated roller from 30 to 100 °C – 86 to 212 °F
- Nip roller opening up to 50 mm (2")
- Lamination speed up to 6,5 m/minute (21 ft/mn)
- Adjustable pressure level corresponding to the media processed
- Single side lamination, encapsulation with pressure sensitive adhesive in one pass, pre-mask, mounting up to 5 cm (2") thick, use of polyester thermal film on the upper side
- Kala's patented autocalibration system included to monitor constantly the pressure and parallelism of the rollers

# ARKANE 1650 TS



Rear view

## INCLUDED

**Gas lift** to slow down the descent of the feeding tray



## AVAILABLE OPTIONS

### LED lighting

Ideal for lighting up your lamination working space



### In line slitting

Cuts laminated prints as they exit the roller or the film before lamination



### Antistatic string with magnets

Perfect to unload static generated by lamination and print media



### Remote control

Allows the operator to set drive function from a distance



### Shaft

Graduated media shafts. Usable from the storage position



## TECHNICAL DATA

Maximum thickness media + board	50 mm (2")
Maximum working width	171 cm (67")
Maximum film width	165 cm (65")
Usable length of lamination media	50 / 100 m (max. diam. 23 cm - 9")
Diameter of the roller	119 mm (4,7") max.
Temperature of the heating roller	30 to 100 °C in steps of 5° (86 to 212 °F in steps of 9 °F)
Heating time from room temperature to 40 °C (86 °F)	7 minutes
Shafts delivered with the machine	5 shafts + 1 scrolling bar
Adjustable speed	0,3 to 6,5 m/mn - 0,9 to 21 ft/mn
Power W - Voltage - Amps	1800 W - 230 or 110 V / 50-60 Hz - 8A/230 V or 16 A/110V
Dimensions of the machine (cm)	L 206 x P 82 x H 153 cm (L 81" x P 32" x H 60")
Net weight of the machine	210 kg (462 lb)
Shipping dimensions (cm)	L 215 x P 95 x H 170 cm (L 85" x P 38" x H 67")
Shipping weight	310 kg (683 lb)
Warranty	2 years
Made in France, CE certified, based on European Machines Directives and electromagnetic compatibility CEM & FCC	

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[General Documentation](#)

**KALA**

Made in France  
CE  
RoHS

## ARKANE 1650 – DUAL FEEDING

Unique and  
productive  
feature



### HIGH QUALITY RESULTS FOR THE MOST DEMANDING JOBS

- Incredible sealing results with all kinds of print and media, particularly UV prints, even with the largest ink drops and the most irregular surfaces.
- Working width 165 cm (65")
- Top heated roller from 30 to 140 °C – 86 to 284 °F
- Nip roller opening up to 50 mm (2")
- Lamination speed up to 6,5 m/minute (21 ft/mn)
- Adjustable pressure level corresponding to the media processed
- Single side lamination, encapsulation with pressure sensitive adhesive in one pass, pre-mask, mounting up to 5 cm (2") thick, use of polyester thermal film on the upper side
- Kala's patented auto-calibration system constantly monitors the pressure and parallelism of the rollers

# ARKANE 1650 – DUAL FEEDING

## ARKANE Dual feeding



Rear and front views

## ARKANE 2 D Dual feeding & double heat



Same as Arkane.  
Dual heating top and bottom, for technical works with media requiring heat to reactivate adhesive backing

## INCLUDED

**Gas lift** to slow down the descent of the feeding tray



## AVAILABLE OPTIONS

### LED lighting

Ideal for lighting up your lamination working space



### In line slitting

Cuts laminated prints as they exit the roller or the film before lamination



### Anti-static string with magnets

Perfect to unload static generated by lamination and print media



### Remote control

Allows the operator to set drive function from a distance



### Shaft

Graduated media shafts. Usable from the storage position



## TECHNICAL DATA

Maximum thickness media + board	50 mm (2")
Maximum working width	171 cm (67")
Maximum film width	165 cm (65")
Usable length of lamination media	50 / 100 m (max. diam. 23 cm/9")
Diameter of the roller	119 mm (4,7") max
Temperature of the heating roller	30 to 140 °C (86 to 284 °F) – Arkane D: separate heating of the 2 rollers
Heating time from room temperature to 40 °C (86 °F)	7 minutes
Shafts delivered with the machine	7 shafts + 1 scrolling bar
Adjustable speed	from 0,3 to 6,5 m/mn – from 0,9 to 21 ft/mn
Power W – Voltage – Ampers	1800 W – 230V 8A – 50-60 Hz – Arkane 2D : 3 400 W – 230V 16A – 50-60 Hz
Dimensions of the machine L x D x H (cm/inch)	206 x 82 x 153 / 81" x 32" x 60"
Net weight of the machine	230 kg (507 lb)
Shipping dimensions L x D x H (cm/inch)	L 215 x P 95 x H 170 cm (L 85" x P 38" x H 67")
Shipping weight	330 kg (727 lb)
Warranty	2 years
Made in France, CE certified, based on European Machines Directives and electromagnetic compatibility CEM & FCC	

Find more information about this machine and our product range at [www.kala.fr](http://www.kala.fr) or click on the link below

[General Documentation](#)

**KALA**

Made France  
CE  
RoHS

# KALA

## ATLANTIC 1650

Completely  
versatile



### ALL LAMINATION SOLUTIONS IN ONE MACHINE

- Incredible sealing results with all kinds of print and media, particularly UV prints, even with the largest ink drops and the most irregular surfaces
- Working width 165 cm (65")
- Heated rollers from 30 to 140 °C – 86 to 284 °F
- Nip roller opening up to 50 mm (2")
- Lamination speed up to 6,5 m/minute (21 ft/mn)
- Adjustable pressure level corresponding to the media processed
- Single side lamination, encapsulation with pressure sensitive adhesive in one pass, pre-mask, mounting up to 5 cm – 2" thick, use of polyester thermal film for encapsulation
- Kala's patented auto-calibration system constantly monitors the pressure and parallelism of the rollers

# ATLANTIC 1650



Use of thermal film, on the take up



Use of pressure sensitive film on any type of prints

## INCLUDED

**Gas lift** to slow down the descent of the feeding tray



## AVAILABLE OPTIONS

### LED lighting

Ideal for lighting up your lamination working space



### Remote control

Allows the operator to set drive function from a distance



### In line slitting

Cuts laminated prints as they exit the roller or the film before lamination



**Shaft** Graduated media shafts. Usable from the storage position



### Anti-static string with magnets

Perfect to unload static generated by lamination and print media



## TECHNICAL DATA

Maximum thickness media + board	50 mm (2")
Maximum working width	171 cm (67")
Maximum film width	165 cm (65")
Usable length of lamination media	50 / 100 m (diam. max. 23 cm/9")
Diameter of the roller	119 mm (4,7") max.
Temperature of the heating roller	30 to 140 °C in steps of 1° (86 to 284 °F in steps of 2 °F)
Heating time from room temperature to 100 °C - 212 °F	20 minutes
Shafts delivered with the machine	5 shafts + 1 scrolling bar
Adjustable speed	0,3 to 6,5 m/mn - 0,9 to 21 ft/mn
Power W / Voltage / Amps	3600 W / 230 V / 50-60 Hz / 16 A
Dimensions of the machine (cm and inch)	W 206 x D 82 x H 153 (W 81" x D 32" x H 60")
Net weight of the machine	300 kg (660 lb)
Shipping dimensions (cm/inch)	W 215 x D 95 x H 170 / W 85" x D 38" x H 66"
Shipping weight	370 kg (815 lb)
Warranty	2 years
Made in France, CE certified, based on European Machines Directives and electromagnetic compatibility CEM & FCC	✓

Find more information about this machine and our product range at [www.kala.fr](http://www.kala.fr) or click on the link below

[General Documentation](#)

**KALA**

Made in France  
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## ATLANTIC 1080



Completely  
versatile

### QUALITY AND MASS PRODUCTION IN 1,08 M – 42 ½”

- A laminator for multiple application with thermal and pressure sensitive adhesive films
- Working width 108 cm (42 ½”)
- Heated rollers from 20 to 140 °C – 86 to 284 °F
- Nip roller opening up to 25 mm (1”)
- Lamination speed up to 3 m/minute (10 ft/mn)
- Adjustable pressure level corresponding to the media processed
- Single side lamination, encapsulation with pressure sensitive adhesive in one pass, pre-mask, mounting up to 25 mm – 1” thick, use of polyester thermal film for encapsulation

# ATLANTIC 1080



## INCLUDED

### In line slitting

2 cutter blades integrated in the machine for slitting your works in line between the 2 sets of rollers while the lamination goes on.



## OPTION

### Electrical rewinder

Practicle for saving space, collecting and preserving work output. The laminated material gets rewound automatically on a core, waiting for the next finishing process.



## TECHNICAL DATA

Maximum thickness media + board	25 mm (1")
Maximum working width	108 cm (42 1/2")
Maximum film width	110cm (43 1/3")
Usable length of lamination media	50 / 100 m (max. diam. 23 cm/9")
Diameter of the roller	78 mm (3")
Temperature of the heating roller	20 to 140 °C (68 to 284 °F) – different heat on the rollers
Heating time from room temperature to 100 °C - 212 °F	20 minutes
Shafts delivered with the machine	4 shafts
Adjustable speed	Up to 3 m/mn - 10 ft/mn
Power W / Voltage / Amps	3100 W – 230V – 14A – 50-60 Hz
Dimensions of the machine (cm and inch)	W 142 x D 76 x H 132 cm (W 56" x D 30" x H 52")
Net weight of the machine	185 kg (407 lb)
Shipping dimensions (cm/inch)	W 201 x D 73 x H 106 cm (W 80" x D 29" x H 42")
Shipping weight	250 kg (550 lb)
Warranty	2 years
Made in France, CE certified, based on European Machines Directives and electromagnetic compatibility CEM & FCC	✓

Find more information about this machine and our product range at

[www.kala.fr](http://www.kala.fr)

**KALA**

Made France  
CE  
RoHS

## SIROCCO 1080

Low  
cost  
investment



Model illustrated: Sirocco 1080 with optional print rewinder

### A FIRST STEP IN PRINT FINISHING FOR NEW OR SKILLED OPERATORS, AT A LOW COST INVESTMENT

- Laminating width 108 cm – 43" for semi-intensive and occasional use
- Entry level model, perfect for copy-shops, hyper markets or any integrated print-shop in a corporation
- Heating rollers adjustable from 40 to 160 °C – 104 to 320 °F. Same heating on the top and bottom rollers
- Use of thermal polyester film up to 125 μ (5 mil) thickness
- Use of pressure-sensitive adhesive film for single side lamination or simultaneously with double side adhesive
- Mounting up to 25 mm – 1" thickness
- Pressure adjustable in accordance with the exact thickness of the material and not preset

# SIROCCO 1080



Use of pressure sensitive adhesive film on any type of media and prints



Use of thermal polyester film on paper printed with water based inks



A clear and easy to use control panel



## In line slitting

2 cutter blades integrated in the machine for slitting your works in line between the 2 sets of rollers while the lamination goes on.

## —● OPTION

### Electrical rewinder

Practicle for saving space, collecting and preserving work output. The laminated material gets rewound automatically on a core, waiting for the next finishing process.



## —● TECHNICAL DATA

Maximum working width	108 cm (43")
Maximum film width	113 cm (45")
Usable length of lamination media	50 / 100 m (diam. max. 23 cm)
Diameter of the roller	54 mm – 2 1/8"
Temperature of the heating roller	40 to 160 °C ( 104 to 320 °F)
Heating time from room temperature to 100 °C - 212 °F	20 minutes
Shafts delivered with the machine	3
Adjustable speed	Up to 3 m/mn (10'/mn)
Power W	2800 W
Voltage	230 V / 50-60 Hz
Ampers	16 A/230 V
Dimensions of the machine (cm and inches)	W 142 x D 76 x H 126 (L 56" x P 30" x H 50")
Net weight of the machine	160 kg (353 lb)
Shipping dimensions (cm)	L 180 x P 105 x H 100
Shipping dimensions (inch)	L 71" x P 42" x H 40"
Shipping weight	209 kg (460 lb)
Warranty	2 years
Made in France, CE certified, based on European Machines Directives and electromagnetic compatibility CEM & FCC	✓

See our total range of products on our web site [www.kala.fr](http://www.kala.fr)

[www.kala.fr](http://www.kala.fr)

**KALA**



**RoHS**

# 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.



**NEW**

**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



Certified



**RoHS**

# STARTER 1600, 1400 & 1080



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.

Very easy to use !



Feeding print...



Laminated print !



Mounting print onto a board...



Collecting the mounted board !

## 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 :



Green = Mounting



Orange = Application tape



Red = Lamination

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

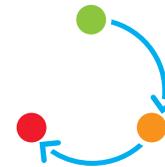
A LED light changes color depending on the amount of pressure applied when turning the pressure adjustment knob.

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

	 Mounting 50mm/2"	 Adjustable speed	 Diameter 21cm / 8 1/4", Film reel 100m/110 yd			
				<b>STARTER 1080</b>	<b>STARTER 1400</b>	<b>STARTER 1600</b>
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

