

Perfect Solution for Digital Print on Demand Finishing Laminator

PROTOPIC AUTO-540 Series

PROTOPIC AUTO-540 FUSER
PROTOPIC AUTO-540 DUAL



◀ Single Side Automatic Roll Laminator

► KEY POINTS OF INVENTION FOR PROTOPIC AUTO-540 SERIES

1. Main devices

- High glossy chrome roller with excellent durability (Photo 1)
- Automatic gap adjustment for feeding paper (Photo 2)
- Laminating roller with high pressure by pneumatic cylinder for strong adhesion lamination
- Dual perforating (Film & in-line) (Photo 3 & 4)
- In-line film slitting knife
- Air compressor & low noise vacuum pump included
- Stream feeder installed for auto paper-feeding (Photo 5)

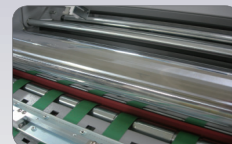


Photo 1) High glossy chrome plated roller



Photo 2) Automatic gap adjustment for feeding paper

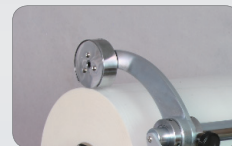


Photo 3) Film perforator



Photo 4) In-line perforator

2. System control

- Super-precision temperature control by temperature sensor inside roller (Photo 6)
- Well-streamlined function adjustment by use of capacitive type touch-screen (Photo 7)
- Film unwinder & rewinder tension adjustment (Photo 8)
- Function of various information for user-friendly convenience

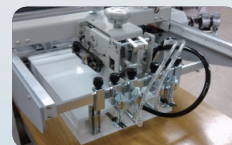


Photo 5) Auto paper-feeding device

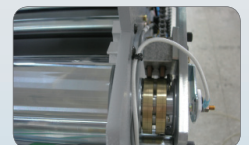


Photo 6) Built-in temperature sensor inside roller

3. Convenience

- One unified machine design including cabinet for easy storing air-compressor & vacuum pump
- Household power supply (AC 220~240V/15A) used. By this, no need for extra installation work to use additional power supply



Photo 7) Capacitive type touch-screen



Photo 8) Tension controller

PROTOPIC AUTO-540 FUSER / 540 DUAL

► Key features of PROTOPIC AUTO-540 series

- Environmentally friendly thermal lami-system
- Perfect lamination without bubbles for all kinds of paper quality
- Automatic paper-feeding system
- Capacitive Touch Screen
- Integrally unified table for convenience
- Increased pressure of laminating roller for enhancing quality of laminating results
- Automatic gap adjustment for feeding paper & Automatic burst-cutting system
- Decurling device & film tension adjustment device installed
- Storage of air compressor & vacuum pump in the cabinet

► Jogging table : Optional



Automatic alignment for easy loading on pallet

- Model name : Jogging Table-700
- Max. paper size : 700mm x 700mm
- Paper pile height : 130mm
- Size (width x length x height) : 795mm x 820mm x 410mm~545mm
- Power requirement : AC220~240V

► Auto Stacker : Optional



Automatic aligning & stacking device for perfect alignment, No need for manually aligning & stacking on pallet

- Model name : ST-50
- Max. paper size : 540mm x 750mm
- Paper pile height : 500mm
- Size (width x length x height) : 830mm x 1190mm x 950mm
- Power requirement : AC220V~240V

► Application range of PROTOPIC AUTO-540 series

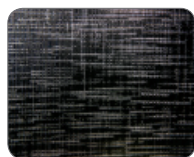
- Poster, Pop sign, Menu
- Book cover
- Photo album & inner papers
- Photo-embossing lamination
- Name card
- Gift certificate
- Label
- New year's card / book

► Basic patterns of embossing roller

Easy conversion to embossing lamination mode - 6 types of embossing rollers



▲ Linen Texture



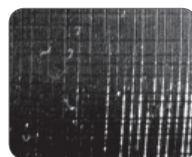
▲ Fine Texture



▲ Leather Texture



▲ Sparkler Texture



▲ Silky Texture



▲ Photo Texture

Note for optional : in case of laminating with photo-textured embossing roller, PROTOPIC AUTO-540 DUAL with chiller should be used.

► Specifications

Models	PROTOPIC AUTO-540 FUSER	PROTOPIC AUTO-540 DUAL
Dimension	(W)800mm x (L)1675mm x (H)1320mm	(W)800mm x (L)1865mm x (H)1320mm
Laminating speed	15m/min	15m/min
Max. laminating size	540*750	540*750
Paper pile height	350mm	350mm
Laminating film	Sing Side: POLYNEX, PERFEX, NYLONEX FILM	Sing Side: POLYNEX, PERFEX, NYLONEX FILM
Thickness of substrate (paper)	120~350g/m ²	120~350g/m ²
Power requirement	AC 220~240V/15A	AC 220~240V/15A
Power consumption	3.45Kw	3.45Kw
Warm up time (min.)	7min	7min
Heating system	INFRARED HEATER	INFRARED HEATER
Operating temperature max.	MAX.150℃	MAX.150℃
Temperature control	Touch-screen	Touch-screen
Speed control	Touch-screen	Touch-screen
Display system	LCD Panel	LCD Panel
Roller pressure	Pneumatic cylinder	Pneumatic cylinder
Film core size	77mm (3 inch)	77mm (3 inch)
Air compressor	2HP 19ℓ	2HP 19ℓ
Vacuum pump	250w 120 L/min	250w 120 L/min



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