



Box production & Large quantity laminating

CHALLENGER DELUXE-1100 Series

Laminating Speed : 100m/min
Feeding & Bursting Speed : 12,500Sheet/hrs
MAX. Paper Size : 1100(W)*800(L)mm

- ▷ CHALLENGER DELUXE-1020A H102R20F102M
- ▷ CHALLENGER DELUXE-1100A H102R20F110M
- ▷ CHALLENGER DELUXE-1100D H102R20F110M

※GMP Thermalami Patented

▶ Scratch-Free Matt Film

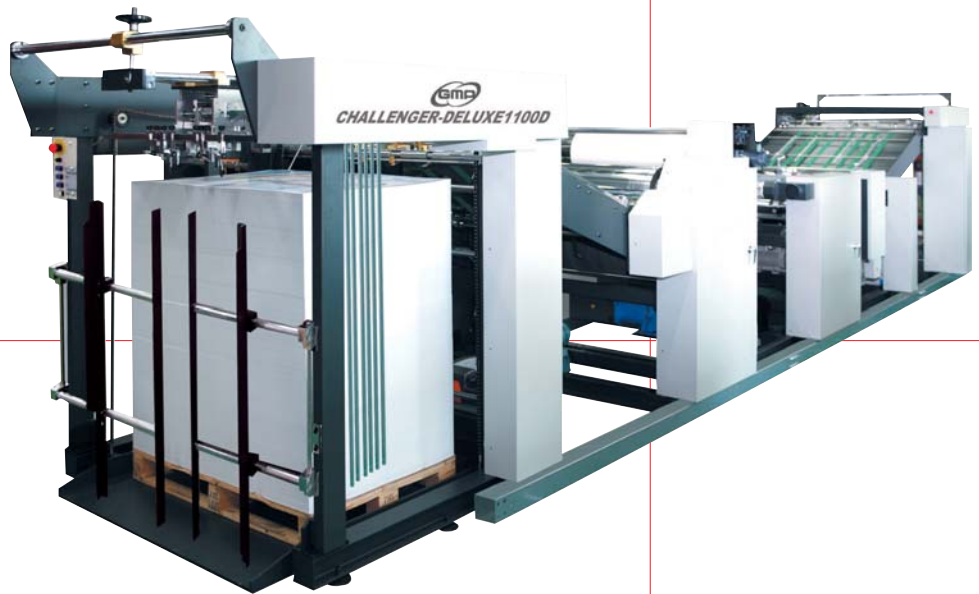
▶ Embossing Textured Laminating Film

Laminator installed with Embossing Roller

Heat Pressing & Embossing for Thermalami

Index

- H102= Heidelberg Feeder 102
- F102M= Flying Knife 102 Module
- R20= Rotary Knife 20
- F110M= Flying Knife 110 Module



POLYNEX Film

Electric Induction Heating Roller System
Precise Temperature Control ($\pm 1^{\circ}\text{C}$)
Speedy Heating-Up
Long Life



High Power Cooling Pipe

- High speed, large quantity laminating job 12,500sheet/hr.
- 1m stacking space decreasing job cycle time
- Precise and durable high quality German Eurotherm(SSD) Servo System
- Precise Feeding System for Large quantity Laminating
- Ultra-precise temperature control induction heating roller - patented product
- Semi-permanent, periodic check and maintenance free heating roller
- Strong cooling fan suitable for high-speed laminating

CHALLENGER DELUXE-1100 Series

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KOSDAQ Registered Corporation(NO. 018290)





CHALLENGER DELUXE-1100 Series

Main Device



▶ Side alignment



▶ Automatic Up & Down Swing Un-winder

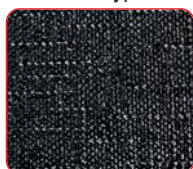


Heidelberg Feeder (Option)

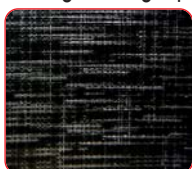


Type of embossing patterns

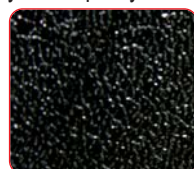
▶ Various types of embossing offer high quality and capacity on demand



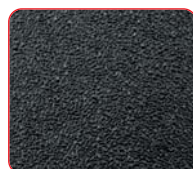
• Linen Texture



• Fine Texture



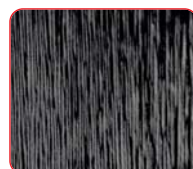
• Leather



• Sparkler



• Silky Texture



• Hair Line

Thermalami Film

• GMP POLYNEX (OPP Base Thermalami Film)

POLYNEX Thermal Gloss - 20	ECONOMIC Gloss Film
POLYNEX Thermal Gloss - 25	Gloss Film
POLYNEX Thermal Pure Gloss - 20	Pure Gloss Film
POLYNEX Thermal Matt - 22	ECONOMIC Matt Film
POLYNEX Thermal Matt - 28	Matt Film
POLYNEX Thermal Pure Matt - 22	Pure Matt Film
POLYNEX Thermal Gloss Emboright - 40	Embossing & High gloss Film
POLYNEX Thermal Matt Antiscuff - 31	Scuff-free matt Film
POLYNEX Thermal Gloss Digital Supermelt - 40	Digital Print Supermelt Gloss Film
POLYNEX Thermal Matt Digital Supermelt - 43	Digital Print Supermelt Matt Film
POLYNEX Thermal Hologram - 40	Hologram Film
POLYNEX Thermal Silver Gloss - 40	Silver Color film for Embossing Laminating

• GMP NYLONEX (Nylon Base Thermalami Film)

NYLONEX Gloss - 27	Curl & Scratch Free Gloss Film
NYLONEX Matt - 31	Curl & Scratch Free Matt Film
NYLONEX Gloss Digital Supermelt - 40	Curl & Scratch Free Gloss Film for Digital Print
NYLONEX Matt Digital Supermelt - 44	Curl & Scratch Free Matt Film for Digital Print

• GMP PERFEX (OPP Base Thermalami Film)

PERFEX Gloss - 25	Gloss Film
PERFEX Gloss - 38	High gloss & Deep Image Film
PERFEX Matt - 32	Matt Film
PERFEX Matt - 38	Deep image Matt film
PERFEX Sliver - 25	High gloss Silver Film

* PERFEX Film for Sliver, Gold & UV printing



Specifications

Model Name	CHALLENGER DELUXE-1100 Series	
Laminator Dimensions	1,890(W)*11,000(L)*2,100(H)mm	Heating System Induction Heating System
Max. Laminating Speed	100m/min	Max. Laminating Temperature 140 °C MAX.
Max. Feeding Speed	12,500 sheet/hr	Temperature Control PID Control
Max. Sheet Format	1,100(W)*800(L)mm	Operating System Programmable Logic Controller
Min. Sheet Format	210(W)*250(L)mm	Main Driving Parker 5kw Servo Motor with Servo Driver
Laminating Film	POLYNEX, NYLONEX, PERFEX, MICRONEX	Feeder Driving Parker 0.4kw Servo Motor with Servo Driver
Thickness of Substrate(Paper)	120~480g/㎡	Nip Pressure Pneumatic Cylinder
Feeder Loading Height	1200mm	Film Core Air Shaft (3")
Power Requirements	AC 380~400V, 3N, 50/60Hz	Cooling System Air cooling with Blower
Power Consumption	50 kw	Feeding GMP Syncro Stream Feeder
Warm up Time	20min	Cutting Snapping with rotary cutter

GMP reserves the right to after change specifications without prior notice.