Singe & Double Side Thermalami Machinery
CHALLENGER DOUBLE-1020 Series

Laminating Speed : 75m/min
Feeding & Bursting Speed : 10,000Sheet/hrs
MAX. Paper Size : 1020(W)*720(L)mm & 1,100mm

▷ CHALLENGER DOUBLE -1020J G50R20
▷ CHALLENGER DOUBLE -1020J H102R20
▷ CHALLENGER DOUBLE -1020N G50R20
▷ CHALLENGER DOUBLE -1020N H102R20

※GMP Thermalami Patented

▶Scratch-Free Matt Film

▶Embossing Textured Laminating Film

Laminator ◀ installed with Embossing Roller

Heat Pressing & ◀ Embossing for Thermalami

Index
- G50= GMP Stream Feeder 50
- H102= Heidelberg Feeder 102
- R20= Rotary Knife 20
- F102M= Flying Knife 102 Module

Using POLYNEX 16 film, thermalami operation is available with minimum cost

POLYNEX Film

Paper Register

Electric Induction Heating Roller System
Precise Temperature Control ($\pm 1°C$)
Speedy Heating-Up
Long Life

- Reduce cost greatly by laminating prints on both side at the same time
- High grade laminating with excellent adhesive strength on all kinds of prints
- Unification system with high speed automatic feeding, laminating, bursting & loading
- Use air shaft for easy exchange of film and left-right alignment during operation
- Precise feeding system and alignment system running by servo driver
- Automatic stacking table for aligning papers after laminating and bursting
- Special effects on printed surface laminated by various films increase value added
- Seek the maximum value to add partial varnishing & double embossing after basic embossing
- Operating easily the papers with short space of print by side alingment on feeding system
- Precise and uniform roller temperature under induction heating system

CHALLENGER DOUBLE-1020 Series

CHALLENGER *DOUBLE-1020 Series*

Automatic Stacking Table

Automatic loading & alignment system for perfect alignment
No need to work again for manual alignment and pallet loading

Model Name : Automatic Stacking Table
Feeder Loading Height : 750mm
Paper Maximum Size : 1,100mm x 1,200mm
Power Requirements : AC 220V, 60Hz

Heidelberg Feeder (Option)

Type of embossing patterns

▶ Various types of embossing offer high quality and capacity on demand
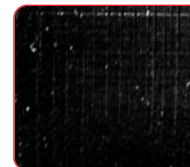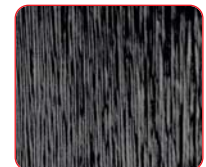
• Linen Texture   • Fine Texture   • Leather   • Sparkler   • Silky Texture   • Hair Line

Thermalami Film

• GMP POLYNEX (OPP Base Thermalami Film)

POLYNEX Thermal Gloss - 20	ECONOMIC Gloss Film
POLYNEX Thermal Gloss - 25	Gloss Film
POLYNEX Thermal Matt - 22	ECONOMIC Matt Film
POLYNEX Thermal Matt - 28	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 Silver Gloss - 40	Silver Color film for Embossing Laminating

• 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

• 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

Specifications

Model Name	CHALLENGER DOUBLE-1020 Series		
Laminator Dimensions(WxLxH)	1,700 x 7000 x 1,670mm	Operating System	Motion Control System
MAX. Laminating Speed	75m/min	Single Laminator Motor	Parker 5.5kw Induction Motor with Vector Driver
MAX. Feeding Speed	10,000sheet/hr	Double Laminator Motor	Parker 5.5kw Induction Motor with Vector Driver
MAX. Sheet Format	1,020(W) x 720(L)mm	Feeder Motor	Parker 0.4kw Servo Motor with Servo Driver
MIN. Sheet Format	210(W) x 250(L)mm	Bursting Motor	Parker Induction Motor with Vector Driver
Thickness of Substrate(Paper)	120 ~ 480g/ m^2	Rewinder Motor	Induction Motor with Vector Driver
Feeder Loading Height	900mm	Vacuum Pump	Becker-T4.40
Laminating Films	POLYNEX, NYLONEX, PERFEX, MICRONEX	Nip Pressure	Pneumatic Cylinder
Power Requirements	AC 380~400V, 3N, 50~60Hz	Film Core	Air Shaft (3")
Power Consumption	73kw	Cooling System	Air Cooling with Blower
Warm up Time	15min	Feeding	GMP Syncro Stream Feeder
Heating System	Induction Heating System	Cutting	Burst Cutting with Rotary Cutter, Perforator
Max. Laminating Temperature	140 ℃		

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

GMP CO.,LTD.