

DRY LAMINATING MACHINE



WDL Series



World Leadership



COMPANY PROFILE

Worldly Industrial Co., Ltd. was established in 1997. We sale our products to all over the world with the brand name Worldly. By trading with many international companies, we acquire lots of precious experiences, and applying those experiences to develop innovative design, manufacturing technique, quality management, marketing strategy, and environmental protection. At a long-year operation, our teams accumulate abundant and advanced manufacturing technique in flexible package printing machineries. In addition we innovate and research continuously and integrate those resources with our machineries to provide better service and products for customers around the world.

Worldly Industrial Co., Ltd. locate in Taichung Industry Park where is in the centre of Taiwan. Due to the attitude of insisting on high quality and taking responsibility for our customers, we develop and expand our manufacturing equipment continuously. Now we have achieved high production capacity & quality. All staff in Worldly contribute their abilities and devote themselves to satisfy with customers. We even encourage with our customers to establish good relationship and mutual benefit.



Doctor Blade Device

Doctor blade holder mechanism has double axles with four liners for bearing to fix it. It has the advantages of strong construction and outstanding sensitivity. In addition flexible doctor blade is adjustable for up/down, forward/rearward, and blade angle can adjust slightly to assure the pressure of down moving. Thus, it can have longer service life of gravure cylinder and prevents surface scratching.



Splicing Device

Arm type splicing device is made up by zigzag blade, pressure roller and auto orientating detector. It can operate simultaneously upper and down oriented splicing, moreover to minimize loss within 5-10 meter.



Unwind Unit

- 1) Twin-reel rotating non-stop type unwinder (optional disc type).
- 2) Drive motor control by AC vector driver.
- 3) Automatic non-stop splicing. Precise splice device achieves low wastage and keep efficiency procreation.
- 4) E.P.C controller
Edge position control with infrared or ultrasonic sensor detector and servo motor.



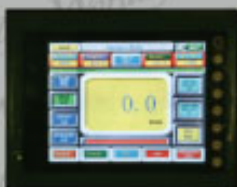
Rewind Unit

- 1) Twin-reel rotating non-stop type rewinder (optional disc type).
- 2) Drive motor control by AC vector driver.
- 3) Automatic non-stop splicing. Precise splice device achieves low wastage and keep efficiency procreation.
- 4) Lay-on roller device with pneumatic pressure and regulator for control on the rewind reel enable keep rewinding the material smooth without sliding.



Coating Section

- 1) Gravure type coating unit
- 2) Dispenser (smooth) roll for diffusion glue with excellent laminating performance without appearance of air bubbles.



Integrated Control Panel

Integrated control panel including human-machine interface touch screen, PLC centralized control system, all machine function and parameter can monitoring and control on user friendly production management.



Drying Chamber

All rolls inside dryer tunnel are synchronized driven with power transmission belt and temperature control by PID automatic controller.



Dry-laminating Unit

- 1) Dry laminator with thermo oil circulation in laminating steel roller to ensure even temperature so that it can achieve high productivity and solid laminating.
- 2) Protection cover design for prevent nip accident.

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In order to apply to various materials and multiple methods in flexible packing markets, WORLDLY develops drying laminating machineries which have strong and multiple functions. The drying temperature of this machinery is adjusted by PID automatic temperature controller that balances the required temperature. The guide roller for drying box uses belt to synchronous work with speed to prevent the materials from wearing. In addition, the design of the Dispenser roller helps balance the glue while coating to prevent appearance of bubbles. Such a careful design which increases production and minimize loss is the essential machinery for flexible packing.

Worldly

Specifications

MODEL	WDL
Maximum Machine Speed	200 m/min
Laminating Speed (Must depend on coating relevant condition, such as material and coating thickness)	180 m/min
Laminating Width	800 / 1,000 / 1,200 mm
Maximum Material Diameter	ø 600 mm / ø 800 mm / ø 1,000 mm

** All specifications and drawing are for reference.
The model depend on actual product.*

Application

PET, CPP, PVC, OPP, PP, PE, Nylon, Aluminum Foil, Paper

Features and Construction

- * Laminating width can be used on different materials.
- * High performance synchronized control system by PLC, provides convenient operation.
- * Reversible smoothing roller prevents air bubbles during lamination.
- * Drying system options: thermal oil, gas burner and electric heating.
- * 4-zone drying: high drying performance and non-volatility remain.

Worldly



PRINCIPLE OF MANAGEMENT

Teamwork

Take customers priority

Reputation first

Sustainable business

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