

# HIGH PRODUCTIVITY ROTOGRAVURE PRINTING MACHINE



WRP-MV *Series*



*World Leadership*



### Exhaust Recycle System

The exhaust waste air from printing dryer system, have huge quantity of energy on exhausted hot air. Exhaust heat recycle system, can re-use those energies as free energy to preheat fresh air; however, it can recycle the air up to 73% in this exhausted waste hot air and reduce energy usage between 40% to 60%.

On the other hand, this exhaust heat recycle systems are heating fresh cool air, so those preheat fresh hot air without any effluvia.



### Unwind Unit

- 1) Twin-reel rotating non-stop type rewinder (optional disc type).
- 2) Motor control by AC vector driver.
- 3) Auto orientation non-stop splicing. Precise splice device achieves low wastage and keep efficiency production.
- 4) E.P.C controller  
Edge position control with photo sensor detector and servo motor.



### Rewind Unit

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



### Printing Section

- 1) Shaftless device by air pressure holder for easy unloading and reloading the printing cylinder.
- 2) Ink pan cover design to prevent splash ink.



- 3) Inking roller (ink transfer roller)  
Inking roller build between printing ink reservoir and printing cylinder. Providing inks from the ink pan (ink tray) to rotogravure printing cylinder.

Transfer ink evenly and circulating ink in the inking system.





### In-feed Device

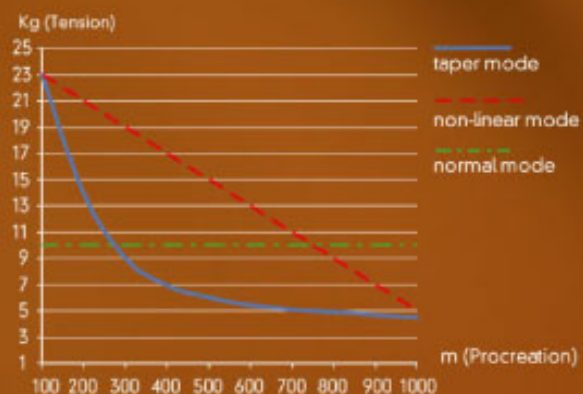
- 1) Infeed section by double pneumatic cylinder type nip roller.
- 2) Motor control by AC vector driver.
- 3) Auto tension control by special frictionless pneumatic cylinder with precision electric resistance.



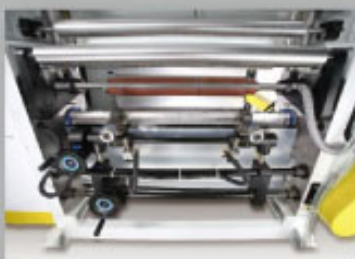
### Integrated Control Panel

Integrated control panel includes human-machine interface touch panel, auto register control system, video web inspection system, and PLC synchronize control are easy operation and user friendly printing production management.

### Rewind Tension Setting



\* Offer three tension control mode choose



### Doctor Blade Unit

Doctor blade holder mechanism has double axes 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.



### Drying Oven

High pressure jet nozzle drying system achieves high efficiency performance.

# HIGH PRODUCTIVITY ROTOGRAVURE PRINTING MACHINE



## WRP-MV Series

Worldly company has good experience and technology development in new rotogravure machine over the years. The printing press equipment with powerful combination of central control system, and ease for operation. Simply and easily function and control parameter display on the human-machine interface touch screen, synchronized with PLC control system, also automatic alarm system provide the most efficient printing management for operators and leads to reduced default rates and less waste. The design leads to high productivity, lowers production costs, and provides a competitive advantage.



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## Specifications

MODEL	WRP-MV
Maximum Machine Speed	220 m/min
Printing Maximum Speed (Must depend on printing relevant condition, such as material and printing thickness)	200 m/min
Printing Width	800 / 1,000 / 1,200 mm
Printing Cylinder Circumference	400 mm ~ 800mm
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

## Optional Features Available

- \* Auto register controller
- \* Shaft-less type
- \* Ink circulating system
- \* Ink viscosity controller
- \* Inspection device
- \* Reverse unit
- \* Split printing function
- \* Drying system options:  
Steam, thermal oil, gas burner,  
electric heater

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## PRINCIPLE OF MANAGEMENT

*Teamwork*

*Take customers priority*

*Reputation first*

*Sustainable business*

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