

Features:

1. Programmable logical control for the entire machine, man-machine interface with efficient operation, live centralized network control realizes all automatic control over manufacturing process. Most up-to-date techniques ensures this machine quality reaches the world-best level.
2. Machine tension is precisely controlled by PLC, presetting function for speed and other data.
3. The speed synchronization and tension control of the following five parts: 1<sup>st</sup> unwind, 2<sup>nd</sup> unwind; coating, laminating and rewind are controlled by the all digit AC vector inverter system (ABB motor and Japan YASKAWA inverter). Tension control system and Roller stable system reach world level.
4. Machine consists of: 1<sup>st</sup> unwind-coating(gluing)-drying-2<sup>nd</sup> unwind-laminating-rewind-control system-supporting devices.
5. Coating (gluing) section consists of anilox roller, impression roller, doctor blade, glue recycling device, glue mixing roller and other devices. Driven by AC motor and AC inverter for tension control.
6. Sectional drying for the dry oven, auto temperature control, the input and output volume of air can be adjusted according to different job conditions.
7. Guide rollers in the drying oven are of the same speed with main machine; pneumatic open and close for the oven, and operation plat is provided for film traveling.
8. Lamination system consists of double layer internal thread heating type laminating rollers, assisting preheating roller, cooling roller, and main transmission system. Driven by AC motor and AC inverter for tension control.
9. Double arm turret type unwind and rewind, air chucking combines air expanding roller, automatic rotating and auto splicing without stopping machine, EPC system for film edge control.
10. The driving and tension control of unwind and rewind are carried out by AC motor, encoder, low friction air cylinder, AC inverter and tension control modular. Functions: Automatic control of speed synchronization, taper degree, tension control and pre rotation of turret arm for splicing.
11. All the passive guiding rollers are made of hard aluminum alloy, made in Taiwan China.
12. Low voltage electric fittings are of famous brand or imported fittings.
13. Pneumatic fitting and action cylinders are all imported of made up of imported components. Mainly from Japan and Taiwan China.

Technical Data:

Laminating material	Plastic film, paper, aluminium foil, etc
laminating width	850、1050、1250mm
Mechanical speed	250m/min

Tension system	Nine-motor(glue press roller motor)
Unwind web dia.	Φ 600mm
Rewind web dia.	Φ 800mm