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SAFM Series Automatic Film Laminating Machine

Introduction

SAFM series automatic film laminating machine is a compound machine for thermal film. This machine is mainly composed with paper feeding section, laminating section, and paper separating section. The electrical devices are controlled by PLC and the heating roller is heated up through the circulation of heated oil in order to ensure the accuracy of laminating temperature. The whole machine is characterized by compact structure and high degree of automation and humanity operation. So it is the right choice for large and medium scale laminating enterprises.

Features

1. Automatic paper feeder adopts oil-free vacuum pump to feed paper automatically.
2. Automatic paper feeding system is equipped with no paper protector and paper break protector, which are controlled by photoelectric and mechanical systems. When no paper or paper break occurs, the machine will stop automatically for self-protection.
3. Conveying table is furnished with air aspirator and front lay etc. to guarantee paper conveying and overlap stable and regular.
4. High precision of chrome plated heating roller is equipped with oil circulation heating system, which has excellent performance to temperature control. The laminating temperature is adjustable upon applications.
5. Pneumatic pressuring system provides automatically steady pressure to guarantee good laminating quality. The pressure is adjustable upon applications.
6. Air expansion shaft releases film, and also makes the loading and unloading of film roll more convenient.
7. The combination of air expansion shaft and braking device can adjust film release tension and speed.
8. Film cutter cuts film width to make it meet paper size. The cut film is left on the film release spindle.
9. Film perforating wheel perforates film edge for the automatic cut of laminated paper.
10. Anti-curvature device: when going through the anti-curvature device, the laminated paper shall be leveled at once and won't curve again after cut.
11. Pneumatic cutting system realizes automatic paper cut.
12. Vibration receiving table: cut paper is sent to vibration receiving table, and will be stacked and tidied up automatically.

Technical data

Model	SAMF- 800	SAMF -1000
Max. Paper	780×1040mm	1040×780mm
Min. Paper	300×400mm	300×400mm
Paper Thickness	125-500g/m ²	125-500g/m ²
Max. Laminating Speed	40m/min	40m/min
Total weight	1500kg	1500kg
Overall Dimensions	4800×1650×1700mm	4800×1650×1700mm



Automatic feeder



PLC control plate



Pneumatic stacker



Vibration receiving table



Conveyor belt



Oil Circulation heating system