

TY SERIES

FULL AUTOMATIC SPOT UV COATING MACHINE



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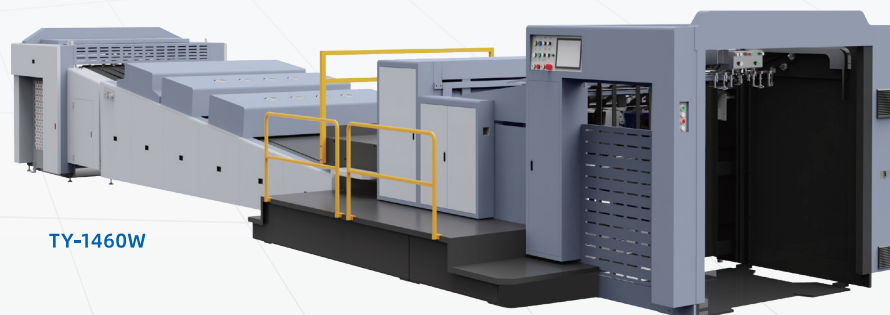
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MAIN FEATURES

- **Linear Rail** Auto-Feeding
- **8,000sph** Swing Delivery
- **Dual-Roller** Coating
- **1,200mm** Auto-Stacking
- **PLC** Frequency Control
- **3-Lamp** UV Curing



TY-1060W



TY-1460W

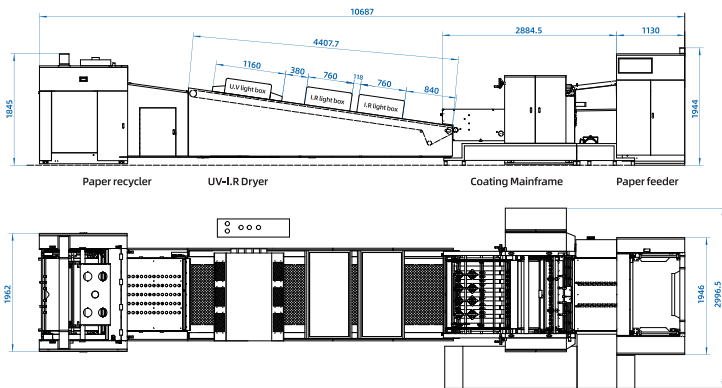
TECHNICAL PARAMETER

Model	TY-1060W	TY-1060W-L
Max.Sheet Size (LxW)	750mmx1060mm	750mmx1060mm
Min.Sheet Size (LxW)	310mmx406mm	310mmx406mm
Max.Coating Area (LxW)	730mmx1040mm	730mmx1040mm
Coating Registration Accuracy	±0.15mm	±0.15mm
Coating Layer Thickness	0.15mm ~ 0.60mm	0.15mm ~ 0.60mm
Sheet Thickness	80 ~ 500 gsm	80 ~ 500 gsm
Up to	6500-8000sheet/hour (Depends on paper size, dimensions and quality)	6500-8000sheet/hour (Depends on paper size, dimensions and quality)
Power Required	40kW (W water-based)	44kW (E oil-based)
Machine Dimension	10625mmx2260mmx2100mm	13225mmx2260mmx2100mm
Machine Weight	7600kg	8200kg

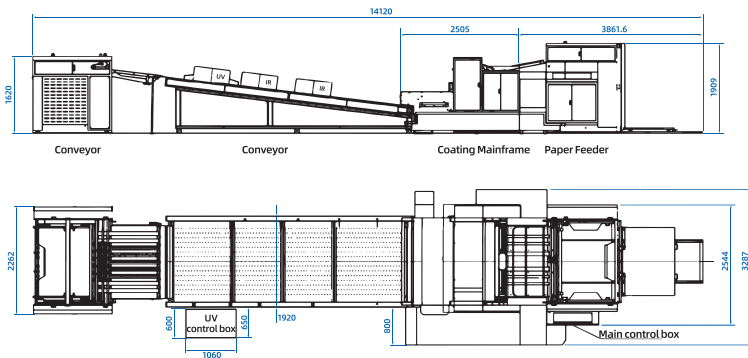
TECHNICAL PARAMETER

Model	TY-1460W	TY-1650W
Max.Sheet Size (LxW)	1100x1460mm	1300x1650mm
Min.Sheet Size (LxW)	350x460mm	400x460mm
Max.Coating Area (LxW)	1090x1440mm	1290x1640mm
Coating Registration Accuracy	±0.15mm	±0.15mm
Coating Layer Thickness	0.15mm ~ 0.60mm	0.15mm ~ 0.60mm
Sheet Thickness	105 ~ 600 gsm	120 ~ 600 gsm
Up to	Up to 5-6000sheet/hour (Depends on paper size, dimensions and quality)	Up to 4-5000sheet/hour (Depends on paper size, dimensions and quality)
Power Required	68kW/Water-based: oil-based total power	76kW/Water-based: oil-based total power
Machine Dimension	11800x3400x2300 mm	12840x3400x2360 mm
Machine Weight	10200kg	12000kg

PRODUCT DIAGRAM: TY-1060W



PRODUCT DIAGRAM: TY-1460W



PRODUCT HIGHLIGHTS



Multi-functional Coating Oil Head

- Dual-roller differential-speed coating head ensures flat, uniform, and glossy oil film with precision.
- Optional ceramic anilox roller with chambered doctor blade configuration.



Electrical Control System

- Full-machine variable frequency drive (VFD) with PLC programmable controller ensures high stability and low failure rate.



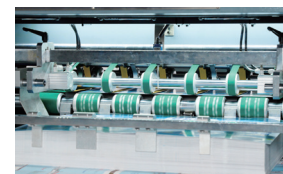
Automatic Paper Feeder

- High-reliability suction heads with linear slide rails ensure fast paper feeding, tightly delivering sheets of all sizes.
- Sensitive electro-mechanical double-sheet detector automatically stops feeding upon detecting multiple sheets.
- Maximum paper stack height: 1,150mm.
- Precision front and side guides (front guide and pull guide) with quick-adjust mechanisms for accurate positioning.



UV Drying and Curing Equipment

- Three UV mercury lamps ensure rapid UV coating curing.
- Teflon mesh conveyor with bottom suction enables quiet, high-speed curing and easy maintenance.
- Full/half-lamp switching and UV leakage protection enhance safety.
- Integrated auto-temperature control, fault trip, and cooling/exhaust systems prevent overheating.
- Dual IR drying groups (12x1 kW lamps, staggered layout).
- Auxiliary air-blowing ensures uniform heat distribution.



Automatic Paper Collector

- Integrated auto-loading platform with maximum stack height of 1,200 mm.
- Photoelectric-pneumatic dual-side alignment ensures precise stacking.
- Thin-paper guiding device guarantees smooth and orderly sheet delivery.



Paper Feeding and Printing Unit

- The swing-arm sheet transfer mechanism supports maximum speed of 8,000 sheets/hour.
- Impression and coating cylinders undergo precision grinding and dynamic balancing calibration for dimensional accuracy.
- Quick-mount system for coating cylinder blankets and plate bases, enabling fast plate changes.