ATMA · TAIWAN

ATMA ATMALINE RR3250-C

PRINTERS / ROLL-TO-ROLL PRINTERS / IN-LINE



OVERVIEW

Among next generation of sunrise industries, FPC (Flexible Electronics) technology is being developed rapidly, flexible electronics is generally known technology, which is configured components onto thin film or metal foil or flexible substrateApplication of flexible electronic technology is widely used currently, except for the earlier development and mature technology of FPC industry, Flexible Display, E-paper, Thin Film Solar Cell, RFID and so on is application scope of flexible electronics, great potential development in futureCombined with Roll-to-Roll continual processing to produce flexible electronic products, also achieves advantage of production efficiency and cost down.

BRAND	ATMA
COUNTRY	Taiwan
MODEL	ATMALINE RR3250-C
SERIES	ATMALINE
CATEGORY	Printers
TYPE	Roll-to-roll printers
OPERATION	In-line

01 SPECIFICATIONS

AT_RR2350-C (UNWINDING MACHINE)	
Feed-in Mode	Vacuum roller winding
Transmission Mode	Servo power winding
Proceed along edge Mode	Structural EPC
Proceed along edge Margin	±10mm
Tension Control Mode	Vertical type, servo control
Unwinding Tension	0.5-3.0kgf
Unwinding Speed	10-100mm/sec
Cutting / Lamination Device	Attachment
CCD Camera	4 pcs
FOV scope	15x20mm
Image Detection Mode	Detect up / down registration mark simultaneously
Camera detection scope	X=±75-±250mm Y=±100-±170mm
Operation Interface	HMI (parameter setting)
Enclosure Mode	Feed-in Section: upper enclosure Printing Section: full enclosure
Power source	3ph,220/380V,50/60Hz
Machine dimension	3525x1725x2350mm
Machine weight	2,220kgs

AT_RI3250 (INSPECTION)	
Quality Inspection	Manual moving CCD inspection + monitor display (12.1 inch)
Inspection CCD Camera Number	1 pc (colored camera)
Camera FOV	12.5x17 mm
Inspection Area	340x500 mm
CCD Height	91mm
Conveyor Speed	10~100mm/sec ()
Conveyor Delivery	Vacuum roller conveyor, servo motor driven
Vacuum Mode	Vacuum ring blower
Cutting / Lamination Device	Yes
Air floating Inspection Platform	Yes
Material Connecting Structure	Yes (3" Air Shaft)
Equipment Exterior Enclosure	Lift protective cover
Power source	3ph,220/380V,50/60Hz
Machine dimension	1475×870×1840mm
Machine weight	700 kgs

Specifications are taken from the manufacturer's published data and may change. Confirm the configuration for your job with Sunstar before ordering.

AT_RB3250 STANDSTILL MACHINE	
Conveyor Speed	10~100mm/sec (adjustable)
Conveyor Mode	Vacuum conveyor roller, servo driven
Vacuum Roller Height	1780+60 mm
Vacuum Roller Group	6 sets (induction motor driven)
Vacuum Mode	Vacuum ring blower
Equipment Exterior Enclosure	Enclosure protection
Power source	3ph,220/380V,50/60Hz
Machine dimension	3495×955×2410mm
Machine weight	1150 kgs

AT_RIO4032 DRYER	
Model	AT_RW3250 Winding Machine
Conveyor Delivery	Vacuum roller
Effective Conveyor Width	250300320340mm
Transmission Mode	Vacuum roller transmission
Conveyor Height	1750+60mm
Conveyor Speed	0.5-6 M/min
Heating Mode	IR + Hot air circulation
Heating Section	4 sections
Conveyor Length	Total 16M
Ventilation	Air blower
Ventilative Direction	from up to down
Material	Thermal isolation inner layer adopted SUS 430 Thermal isolation external layer adopted SS41 lacquer
Warm Up System	Hot air +IR
Temperature Control System	Hot air circulation
Temperature Range	Room temperature +20~200℃
Circulation System	10.5 inch fan circulation
Average Temperature	Setting temperature within ±3%
Operation Interface	Proface 7 inch HMI, parameter setting
General Setting	Heat extraction 16CMM (mechanical valve adjustable flow rate)
Protection Device	Temperature controller over heating setting, over heating temperature 10℃ to cut off electrothermalElectric over temperature protector (temperature setting, highest +20℃), exceed setting temperature to cut off electrothermalDepending on HMI display error message, three color warning lamp + buzzer, E-stop button
Power source	3ph,220/380V,50/60Hz
Machine Dimension L×W×H	4300×1500×2100mm (heating section length: 3760mm)
Machine weight	650 kgs
Winding mode	90° vacuum roller conveyor (servo motor driven)
Winding Speed	10-100 mm/sec
Vacuum Mode	Ring Blower
Proceed along edge Mode	Corrector + Structural EPC±10mm
Tension Control Mode	Loadcell + Servo control
Winding Tension	0.5-3 kgf
Equipment Exterior Enclosure Mode	Lift protective cover
Machine dimension	1250×1195×1390mm

02 FEATURES

- Servo Control Tension: conveyor mode adopts servo power coupling structure EPC, tension control adopts self-development vertically, servo tension control
- CCD Registering: enclosed with 4 sets CCD registering and four axis (XYXY) servo driven screen displacement to attain function of precise registration and printing
- Equalized Pressure Control: printing head adopts equalizing air pressure control, squeegee/ flood coater digital equalizing system control can be preset (3-62 kgf) on touch screen panel
- High Level Accuracy: thick Aluminum alloyed plate with precise machining and iodized treatment is used for table top, prevent scratching substrate, table flatness accuracy achieves ±0.02mm
- Quick Operation: Advanced IPC integration control, colored touch-screen + colored LCD monitor provide diverse functional parameters setting and instant operating / surveillance, easy operation to fulfill perfect requirement for digitalization, standardization, humanization
- Safety Protection: equipped with error diagnosis, safety restoration, E-stop, three color warning lamp, etc, comprehension protection

03 APPLICATIONS

PCB fully automatic screen printing line

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PRODUCT PAGE

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