



RMA-550

FM LISTED DIRECT CHARGE ROBOT MOUNTED ROTARY ATOMIZER

The RMA 550 is an automatic robot mounted rotary atomizer capable of spraying solventborne coatings electrostatically or non-electrostatically. The 550 incorporates the latest in high-speed spindle technology and the latest in bell cup and shape air design providing the best in class atomization technology and pattern control.

The RMA 550 bell cups are designed for durability and all wetted components are designed to offer maximum in wear and chemical resistance. The Bell's heavy duty design insures excellent service life even when subjected to the quick motions of robotic applications. Components are constructed of durable engineered resins for optimum mechanical strength and solvent resistance.

The applicators aerodynamic shape provides maneuverability into tight spaces and provides ease of cleaning. The easily removable front and rear shrouds, turbine assembly and internally mounted fluid valves, make offline maintenance more efficient. Fitting-less tubing bundle allows for quick and easy access for repairs.

Factory Mutual (FM) Listed applicator...

produces limited energy to prevent ignition of flammable air/solvent mixtures. Only FM approved robot rotary atomizer on the market today.

True Dual Purge Technology...

allows for spraying with one color while cleaning the other paint line with no loss of tip voltage.

No high voltage cable...

The internally mounted high voltage cascade requires only low voltage control wiring.

Color coded tubing bundle...

for easy change-outs and operational efficiency.

Proven long-life...

turbine and bell cup achieving optimum atomization and versatility for today's coating demands.

Less waste to the spray booth...

with dump valve located internally.



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RMA-550 Key Benefits

- Serrated plastic bell cups offered for application flexibility and color match.
- Proven long-life turbine capable of speeds up to 55,000 rpm maximum.
- 60° angled body provides more maneuverability.
- Fitting-less tubing bundle for more flexibility in the robot wrist.
- Utilizes MicroPak 2e free standing unit which provides voltage to the remote cascade and closed loop speed control.
- Various robot adapter plates available for most robotic mounting configurations.



Color coded tubing bundle for easy identification.

Specifications

Electrical:

Power Supply Type:	MicroPak 2e
Charging Method:	Direct
Output Voltage:	30-90kV variable (90kV maximum)
Output Current:	90 μ A
Turbine Speed Control:	MicroPak 2e

Mechanical:

Weight (Dual Flex) Atomizer Only:	11 lbs. (5.0 Kg)
Turbine Type:	Air Bearing Impulse Drive
Turbine Air Supply:	Variable
Maximum/Minimum Turbine Speed:	20,000 to 55,000 rpm (dependent on air flow rate)
Tubing Bundle Max. Rotation:	450° in Either Direction
Bearing Air Supply at the Applicator: (Nominal):	90 psig (\pm 10 psi) (621 kPa \pm 69 kPa) 2.9 SCFM (82 slpm)
Brake Air Supply (Nominal):	60-100 psig (414-689 kPa)
Maximum Fluid Pressure Supply:	
Paint:	150 psi (1035 kPa)
Solvent:	150 psi (1035 kPa)
Fluid Flow Rate:	25-500 cc/min

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