



## **RMA-560**

### **DIRECT CHARGE ROBOT MOUNTED ROTARY ATOMIZER**

The RMA-560 is an automatic robot mounted rotary atomizer capable of spraying solvent borne coatings electrostatically or non-electrostatically. It incorporates the latest in high speed spindle technology, bell cup and shape air design to provide the best in atomization and pattern control. The bell cups are designed for durability and all wetted components are designed to offer the maximum in wear and chemical resistance. The RMA-560 incorporates an integrated turbine allowing speeds up to 100,000 rpm, dependent on the coating flowrate.

The RMA-560'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 bells aerodynamic shape and light weight package allows better maneuverability into tight spaces and provides ease of cleaning of the external surfaces. The easily removable front and rear shrouds, turbine assembly and the internally mounted fluid valves, make off-line maintenance more efficient and economical. An optional split shroud is available for easy access to internal components while still mounted on

the robot. The new construction also reduces downtime for maintenance, utilizing the quick disconnect feature an atomizer can be changed in less than two minutes.

#### **True dual purge capability...**

spray one color while cleaning the other paint line with no loss of tip voltage.

#### **Proven long life turbine and bell cup...**

capable of speeds up to 100,000 rpm, achieving optimum atomization and versatility for today's coatings.

**Warranty...** proven components - 3 year or 15,000 hour warranty.

#### **No external high voltage cable...**

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

#### **Less waste to the spray booth...**

with the dump valve located internally next to the feed tube.

#### **Color coded tubing bundle...**

for easy change-outs and operational efficiency.



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### RMA-560 Key Benefits

- Serrated and non-serrated bell cups are available for application flexibility and color match. All bell cups are made using Titanium or Aluminum.
- True dual purge capability. Spray one color while cleaning the other paint line with no loss of tip voltage.
- Proven long life turbine motor capable of speeds up to 100,000 rpm.
- 60° angled body provides more maneuverability.
- Compact high voltage control system. The MicroPak 2e™ Cascade control takes only 1/2 of the space in a 19-inch eurorack, leaving room for additional control modules.
- Large range of fluid tip sizes available.
- Fitting-less tubing bundle, more flexibility in the robot wrist.



Color coded tubing bundle.

### Specifications

#### Electrical:

Power Supply Type:	MicroPak 2e
Charging Method:	Direct
Output Voltage:	30-100 kV Variable (100 kV Maximum)
Output Current:	125 $\mu$ A
Turbine Speed Control:	MicroPak 2e

#### Mechanical:

Weight (Dual Flex) Atomizer Only:	12.77 lbs. (5.8 Kg) max.
Turbine Type:	Air Bearing Impulse Drive
Turbine Air Supply:	Variable
Maximum/Minimum Turbine Speed:	Up to 100,000 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:	200 psi (1379 kPa)
Solvent:	150 psi (1035 kPa)
Fluid Flow Rate:	25-1000 cc/min. (dependent on bell cup size, speed and flow rates) Available in 30mm, 55mm and 65mm.

## Ransburg

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