

RMA-580

Direct Charge Hybrid Rotary Atomizer

The RMA-580 is a quick disconnect robot mounted rotary atomizer designed to apply both solvent and waterborne coatings electrostatically, using a direct charge method. An internal cascade applies high voltage to the coating material as it exits the applicator, providing maximum voltage at the applicator, resulting in high transfer efficiency and reduced coating material usage. The atomizer's design incorporates the new Platinum Series turbine, capable of operating speeds up to 100,000 rpm for demanding production environments.

The RMA-580's unique design allows the unit to spray waterborne materials, with direct charge, in conjunction with an isolation system, such as the Ransburg Voltage Block.



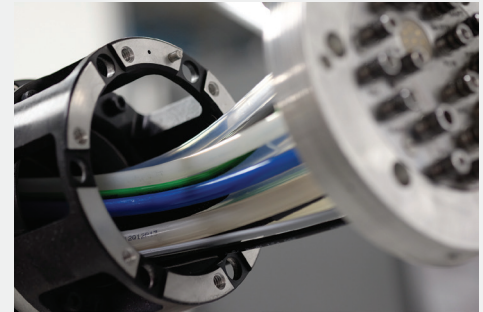
The newest member in a long line of Ransburg robotic atomizers, the RMA-580 utilizes state-of-the-art technology to ensure superior performance with consistent, high-quality results. The atomizer's highly polished exterior and aerodynamic design makes cleaning external surfaces a breeze. The RMA-580 includes a fitting-less tubing bundle for quick and easy change out; the tubing is allowed to rotate within the robot plate, for greater flexibility and longer life.

The RMA-580 Hybrid Atomizer provides a cost effective solution for changing production demands while providing superior atomization, increased uptime and flexibility.

FEATURES

- Internal solvent and air valves
- Proven long life turbine and bell cup
- Warranty
- Serrated and non-serrated bell cup design
- Heavy duty design provides excellent service life
- Compact high voltage system

Electrical	
Power Supply Type:	MicroPak 2e
Charging Method:	Direct
Output Voltage:	30-70 kV Variable (70 kV Maximum)
Output Current:	125 μ A
Mechanical	
Weight Atomizer Only:	11.80 lbs. (5.35 Kg) max. (with 65mm Dual Flex)
Total Payload with Robot	14.25 lbs. (6.46 Kg) max.
Plate & Adapter:	(65mm Dual Flex)
Turbine Type:	Air Bearing Impulse Drive
Turbine Speed:	Up to 100,000 rpm (dependent upon 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, 65mm



Color coded tubing bundle for easy change-outs and operational efficiency.

Note: Air Heater is recommended for the turbine air supply.

Let's start a conversation

We want to work together to help answer your application challenges. To learn more about what we can offer, visit our website at **Carlisleleft.com** or call us today.

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