

RANSBURG RMA-560

Direct charge robot mounted rotary atomiser

Ransburg®



The RMA-560 is an automatic robot mounted rotary atomiser 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 atomisation 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 lightweight package allows better manoeuvrability 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, utilising the quick disconnect feature an atomiser can be changed in less than two minutes.

True dual purge capability...

spray one colour 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 atomisation and versatility for today's coatings

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

Colour coded tubing bundle...

for easy change-outs and operational efficiency

RMA-560

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Specifications

Electrical	
Power Supply Type	MicroPak 2e
Charging Method	Direct
Output Voltage	30-100 kV Variable (100 kV Maximum)
Output Current	125 µA
Turbine Speed Control	MicroPak 2e
Mechanical	
Weight (Dual Flex) Atomiser Only	5.8Kg (12.8lbs) 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)	6.2 bar (90 psi) (621 kPa ±69 kPa) 2.9 SCFM (82 slpm)
Brake Air Supply (Nominal)	4.1 - 6.9 bar (60 - 100 psi)
Maximum Fluid Pressure Supply:	
Paint	13.8 bar (200 psi)
Solvent	10.3 Bar (150 psi)
Fluid Flow Rate	25-1000 cc/min. (dependent on bell cup size, speed and flow rates) Available in 30mm, 55mm and 65mm.



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



CE and ATEX Approved.

RMA-560 Key Benefits

- Serrated and non-serrated bell cups are available for application flexibility and colour match. All bell cups are made using Titanium or Aluminium.
- True dual purge capability. Spray one colour 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 manoeuvrability.
- 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.



Re-designed bell-cup range provides improved colour change and cleaning performance.



Robust platinum turbine for improved application performance.

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