

RMA-303 DIRECT

STATE-OF-THE-ART ROBOT MOUNTED ROTARY ATOMIZER



DESCRIPTION

Built on the RMA proven technology platform, the RMA-303 rotary atomizer, is the most flexible, transfer efficient applicator on the market today. With its robust and proven air-bearing turbine, you can count on the RMA-303 to keep your system running at peak performance. Its aerodynamic design lessens exterior contamination and simplifies cleaning, decreasing maintenance and providing increased uptime.

Regardless of the application or substrate, we have the experience and technology that will best fit the application. From clear coat to prime, our color match or clear coat cup technology, with dual shape air passages, provides optimum performance and flexibility from large panels to cut-ins. Designed to be durable and provide extended life, we've made our bell cups the most dependable in the marketplace.

The RMA-303 combines state-of-the-art technology with superior design for greater performance and process efficiency.

FEATURES AND BENEFITS

- **External/Internal Bell Cup Wash...**allows automatic external/internal bell cup cleaning without entering the booth.
- **Coiled Fluid Tube...**aids in electrostatic application of high conductivity basecoats materials.
- **Field Proven High Voltage System...**maintains a high Kv tip voltage under higher currents loads.
- **Durable Titanium Bell Cups...**provide extended life and critical reliability.
- **Easy to Access, High Wear Cartridge Valves...**feature one-piece needle and stem design with replaceable fluid seat.
- **Dual Shaping Air...**allows versatile patterns from 26" to 6".
- **Color Coded Tubing Bundle...**user-friendly for easy change-outs and operational efficiency.
- **Faster Atomizer Exchanges with Quick Disconnect Feature...**increases productivity and parts throughput.
- **Adapters Available for All Types of Robots...**maximizes in line versatility and efficiency.
- **Single Purge Valve Manifolds...**allows for quick color change—ten seconds or less—and the flexibility to apply more conductive solventborne material if desired.
- **Reliable Fiber Optic Transmission of Rotational Speed Data...**provides for optimum operational control.
- **Speeds Up to 70,000 RPM...**creates great latitude for your productivity and output

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SPECIFICATIONS

MECHANICAL

Length:	13.2 inches (336.9mm)
Diameter:	4.5 inches, (114mm)
Approximate Weight of Atomizer Only:	12.2 lbs. (5.5 kg)
Approximate Weight of Total Payload:	14.7 lbs. (6.6 kg)
Turbine Type:	Air Bearing Impulse Drive
Turbine Air Supply:	Variable
Maximum Turbine Speed:	70 krpm Continuous
Bearing Air Supply (Normal):	90 psig (±psi) (621 kPa ±69 kPa) 2.1 scfm (60slpm)
Inner Shaping Air Supply (Nominal):	Variable
Outer Shaping Air Supply (Nominal):	Variable
Brake Air Supply (Nominal):	60-90 psig 414-621 kPa
Maximum Fluid Pressure Supply for Paint:	200 psi (1379 kPa)
Maximum Fluid Pressure Supply for Solvent:	10-30 psi (69-207 kPa)
Fluid Flow Rate:	25-700 cc/minute
Speed Readout:	Magnetic pick up, unidirectional fiber optic transmission

ELECTRICAL

Power Supply Type:	MicroPak
Charging Method:	Direct
Output Voltage:	30-100 kV Variable
Output Current:	125 mA



Color Coded Tubing Bundle...
user-friendly for easy change-outs
and operational efficiency.



Versatile patterns
from 6-26 inches.

ITW Ransburg

ITW Automotive Finishing

An Illinois Tool Works Company
320 Phillips Ave, Toledo, Ohio 43612-1493
PH: 419-470-2000
FAX: 419-470-2270
www.itwransburg.com
www.itwautofinish.com
EMAIL: marketing@itwransburg.com

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