

**Ransburg®**

# RMA 500 SERIES

## ROTARY ATOMIZERS



**Innovative Platinum Performance**  
Sets New Finishing Standards



# Designed to keep your system running at peak performance

The Ransburg MicroPak 2e Controller, paired with the RMA Series applicators, provides proven system control. Using a combination of proven high voltage generation technology and microprocessor-based control for diagnostic and communication functions.



## NEW 500 Series *Platinum* Turbines Provide Extended Life and Optimum Performance

Ransburg has developed a dynamic series of turbine assemblies for all new 500 Series RMA applicators. The objective of our engineers was to provide customers with:

- Robust Turbine Design...provide flexibility under dynamic loads with dissipating bearing mount design.
- Forgiveness in unbalanced conditions...no pronounced negative performance due to slightly damaged or unbalanced bell cups.
- Time saving field repairability...contaminated Platinum Turbines can be field stripped, cleaned and reassembled to assure the most rapid return to production.



## Durable Titanium Bell Cups Evolve To Provide Extended Life, Consistency and Reliability

New Ransburg Bell Cups have been redesigned to provide for fast cleaning and color changing. That means increased productivity and cost saving with enhanced performance.

The choice of Ransburg bell cup diameters also creates flexibility with multiple coatings and part configurations.

This adds up to increased operational efficiencies

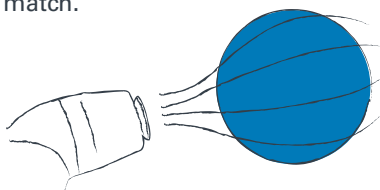
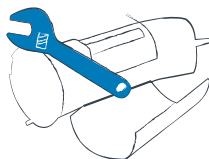
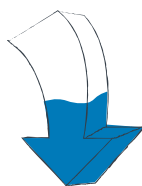


# Ransburg RMA series applicators...

## THE most transfer efficient applicators in the market today.

### WITH RANSBURG ROTARY ATOMIZERS YOU GET:

- **Extremely High Transfer Efficiency**...that means less costly waste / less paint needed!
- **Application Flexibility**...Ransburg applicators can be used with the broadest range of coating materials.
- **Fitting-less Tubing Bundle**...for ease of maintenance and flexibility in the robot wrist.
- **Robust and Field Repairable Turbine**...heavy duty design provides excellent service life with speeds capable of up to 100,000\* rpm
- **Internal Solvent and Air Valves**...Provide fast solvent/air chop to quickly and efficiently clean the interior and exterior of the bell cup.
- **Reduced Downtime**...Quick disconnect feature enables the atomizer to be changed in less than two minutes for off-line maintenance.
- **Serrated and non-serrated bell cup design**...provides application flexibility and color match.
- **Reduced VOC Emissions**...  
Diminishing overspray means enhanced environmental stewardship.
- **Extended life Splash Plates**...reduce replacement costs.
- **Easy Cleanup**...Atomizer's highly polished exterior and aerodynamic design helps keep external surfaces clean.
- **Unmatched Durability**...Components are constructed of durable, engineered resins for optimum mechanical strength and solvent resistance.
- **Durable**...3 year or 15,000 hour warranty.



### Whatever Is Being Finished, There's A Ransburg Applicator That Will Optimize Quality And Provide Significant Savings To Meet Market Demands

Ransburg RMA's are depended upon for the reliability, low maintenance and high quality finish they deliver. From Automotive Tier 1 finishers to general industrial applications and specialty coatings operations, Ransburg RMA's have long been recognized as the workhorse systems for consistent, quality spray performance and maximum transfer efficiency.



# 560

## RMA-560 Direct Charge Robot Mounted Rotary Atomizer

Robot mounted rotary atomizer capable of spraying solvent borne coatings electrostatically or non-electrostatically.



- RMA's unique design with longer knuckle and adapter help keep the applicator clean, reducing downtime.
- True dual purge capability to spray one color while cleaning the other paint line offers increased productivity.
- Latest in high speed spindle technology, bell cup and shape air design.
- Bell cups are designed for durability and all wetted components are designed to offer the maximum in wear and chemical resistance.
- Heavy duty design insures excellent service life even when subjected to quick motions.
- Aerodynamic shape and lightweight package allows better maneuverability into tight spaces and provides ease of cleaning of the external surfaces.

# 570

## RMA-570 Indirect Charge Applicator

Newest generation in a long line of Ransburg robotic atomizers capable of spraying waterborne coatings electrostatically or non-electrostatically.

- Fast color changes are easily achieved with the center feed fluid delivery.
- Provides simultaneous paint push while solvent washes the feed tube and bell cup interior, reducing downtime.
- Long life titanium bell cups achieve optimum atomization and versatility for today's coating's.
- Dump valve is located internally, next to the feed tube, meaning less waste in the spray booth.
- Removable high voltage ring, with replaceable probes, to simplify maintenance and clean up.
- External Cascade provides increased uptime.



The RMA manifold consists of color tubing for easy identification

## MMA-570 Machine Mount Atomizer

The MMA-570 is an automatic machine mountable rotary atomizer ideal for applying solvent or waterborne coatings, electrostatically or non-electrostatically.

- All components are made of durable, highly-engineered resins for optimum strength and endurance.
- Available in direct or indirect charge technology.
- Offers a series of serrated or non-serrated bell cups.





**Improve Production. Add Value. RMA Hybrid Units – 580 and 590 –** save production time and money by eliminating the downtime associated with material application change outs. This benefit enhances an operation's overall efficiency and value.

# 580

# 590

## **RMA 580 / Hybrid Direct Charge Water OR Solvent Borne Applicator**

Quick disconnect robot mounted rotary atomizer able to apply both waterborne and solvent borne coatings electrostatically, using a direct charge method.

- Internal cascade applies high voltage to the coating material as it exits the applicator.
- Provides maximum voltage at the applicator, resulting in high transfer efficiency.
- Achieves operating speeds up to 100,000\* rpm and flow rates up to 1,000 cc/min.
- Can spray waterborne materials, with direct charge, in conjunction with an isolation system, such as the Ransburg Voltage Block.
- Fitting-less tubing bundle for greater flexibility and longer tubing life.



## **RMA 590 / Hybrid Direct Charge Solvent OR Indirect Charge Water Borne Applicator**

Proven hybrid applies waterborne coatings using indirect charge and solvent borne materials using direct charge making the RMA-590 one of the most versatile applicator in the market today.

- An industry first dual Cascade technology.
- Flexibility allows use of the same applicator without mechanical changes, saving valuable time and labor, and providing increased uptime.
- 60° and 90° angled adapters provide more maneuverability and facilitates robot programming.
- Tubing freely moves within the robot plate providing greater flexibility and longer life.



Ransburg application equipment is recognized around the world for its highly engineered quality and long term dependability, achieving the industry's highest levels of efficiency and productivity.



\*dependent on coating and flow rate

## Finishing Brands – combined expertise spans more than 350 years.

The story of advancement in application technology is the story of our Finishing Group of Brands – DeVilbiss, Ransburg, BGK and Binks. Each brand grew into its own and became leaders in their individual product categories. Today – and collectively – those products share a common heritage of performance excellence and dependability. They also share a common name – Finishing Brands.

Finishing Brands is a unique, integrated provider of total paint system solutions. Electrostatic and conventional guns, fluid handling equipment, fluid metering, process controls, curing – everything is designed and manufactured to provide customers with finishing solutions with long term value.



### Ransburg®

Design and manufacture  
of electrostatic systems  
for electrostatic painting  
and related electronic fluid  
handling equipment.

### ***Sales and Service through our Global Network of Distributors***

Finishing Brands Offices

Americas:	<b>USA</b>	<b>Mexico</b>	<b>Brazil</b>
Europe/Asia/Africa:	<b>United Kingdom</b>	<b>France</b>	<b>Germany</b>
Pacific Rim:	<b>China</b>	<b>Japan</b>	<b>Australia</b>

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