

Electrostatic Powder Sprayers



Delivering controlled and exact powder coverage to virtually any substrate - Series 202, 300 and 350

Baldwin OXYDRY[®] electrostatic sprayer systems offer unparalleled performance in dispensing powder for sheetfed, commercial web, flexo and industrial applications.

Series 202: Meets individual sheetfed press specifications

Series 300: For sheetfed, commercial web, flexo and converting applications

Series 350: Wide width especially designed for glass and industrial substrate markets

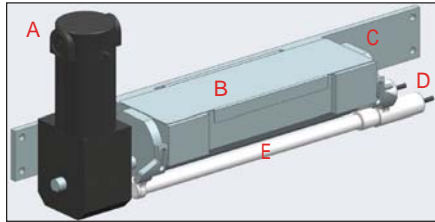
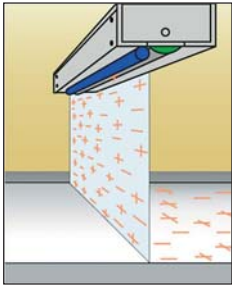
The Baldwin OXYDRY[®] sprayers utilize electrostatic properties to deliver exact powder coverage for impressive reliability. The electrostatic tubes produce alternating positive and negative charges of electricity, affecting the powder as it is dispensed from the sprayer box. The high voltage electrical charge builds a powerful attraction between the particles of powder and substrate.

This charging action of the electrostatic tube helps to reduce static electricity and evenly lays powder on the substrate.

Benefits and savings

- Proven reliability – OXYDRY[®] brand sprayers have been on the market for over 70 years
- Custom-designed to meet individual press specifications
- Adjustable electrostatic tubes deliver greater directional control of powder
- Pressurized air chambers control the powder flow as it is attracted to the substrate
- Low maintenance; adjustable tube holders on Series 300 and 350 models make tube maintenance and replacement easy
- Cost-effective and fast ROI
- Low operating costs
- Low power requirements

Electrostatic Powder Sprayer



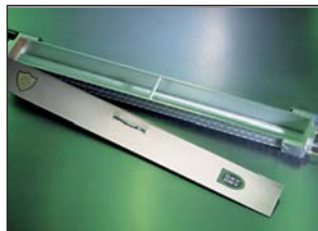
Sprayer Parts: A: Motor B: Hooper Cover C: Air Inputs D: Bulb Electrical Connections E: Bulbs

Charged powder is drawn to the substrate.

Baldwin OXYDRY® Electrostatic Sprayers

Custom-Designed Sprayers Meet Individual Press Specifications

Baldwin's sprayers are built to each customer's exact press specifications. All system components, including powder hoppers, rollers and electrostatic tubes are custom made. As each system activates, tension-set wiper blades meter powder from the powder storage hopper to the roller. Blast-off action from the electrostatic tubes charges the falling powder, allowing for even distribution to the substrate. Customized rollers can be tailored to specific powder or production material dispensing needs.



Self-lubricating bearings assure smooth roller rotation throughout the life of the sprayer. The ability to vary the width of powder distribution is achieved by adjusting divider felts within the hopper. A press operator can easily control the volume of powder by varying the speed of the roller rotation.

The electrostatic tubes are mounted to end housings; adjustable tube holders on Series 300 and 350 models make tube maintenance and replacement easy. In addition, a pressurized air curtain controls the powder flow as it is attracted to the substrate.

Contact us for

- Professional advice and support
- Further product information
- Return on investment calculation (ROI)

Series	Details	Size	Sprayer Box Profile
Series 202	With a 2" slim profile, the 202 series is designed to fit sheetfed presses with limited space between gripper bars. A controlled profile of powder is achieved with one pre-adjusted electrostatic tube.	7" to 43" (17.78 - 109.22 cm)	1" to 2" (2.54 - 5.08 cm)
Series 300	Engraved chrome roller and adjustable tube mountings for ultimate powder control. Two adjustable, electrostatic tubes give greater directional control of the powder. Mounted to the housings, the tubes can be adjusted to achieve greater flexibility of electrical discharge.	7" to 79" (17.78 - 200.0 cm)	5" (12.7 cm)
Series 350	Designed specifically for glass and industrial applications, this heavy-duty model also features adjustable tubes.	79.25" to 180" (201.0 - 457.2 cm)	5" (12.7 cm)
Standard on all models	EDSC-2E digital Solid State controller which regulates roller rotation speed and on/off system switching is standard on all models.		
All Series*	Electrical Requirements: 110 VAC, 10amps Air Requirements: 3 PSI Maximum Wiper Blades: Made from stainless steel or PVC		



Baldwin OXYDRY® Anti-offset Powder

- Baldwin manufactures the highest grade powder; a best choice for controlling multi-pass work and yielding the smoothest printed sheet.
- GMO-free and Passover Approved powders are also available.
- Contact Baldwin for information and pricing on powder.

Service Solutions

- Quality service organization with 24 hour phone support and overnight parts shipment.

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