

Econo-Coat[®] Gun/Manual System



Powder spray system that offers production-proven technology and performance at a surprisingly affordable price.

The new Nordson Econo-Coat manual spray system combines production-proven powder spray gun and control technology and performance with a rugged, two-wheel dolly and electric vibratory box feeder to provide an exceptionally affordable and versatile powder coating package.

Rugged-design Manual Gun with Proven Performance Features

The Econo-Coat manual spray gun is lightweight and compact, yet extremely rugged – the perfect tool for today's tough manual powder coating environments. Designed with the customer in mind, the Econo-Coat manual gun utilizes a wide variety of existing Nordson nozzles and lance extensions to provide the flexibility to meet even the most challenging coating applications without having to stock yet another generation of accessories.

Simple, Operator-friendly Controls for Ease of Use with Maximum Results

The Econo-Coat gun control unit features simple, easy-to-use controls for setting pneumatic and electrostatic parameters. Familiar, production-proven pneumatic regulators and gauges enable easy adjustment of operating air pressures. Long-life touch-key controls and LED displays enable the operator to easily adjust and monitor gun kV and Automatic Feedback Current (AFC) set points.



Automatic Feedback Current (AFC) Control

Precise control of gun current is critical to ensure optimal powder charging for maximum coating performance and transfer efficiency. This is especially true in applications where gun-to-part distance changes, due to part size and geometry or a manual operator's normal movement of the gun. The Econo-Coat control unit's user-adjustable AFC control provides maximum operating flexibility to meet a variety of coating requirements including parts with deep recesses and re-coating of already cured parts.



The Econo-Coat gun controller features easy selection/adjustment of kV and micro-amp setpoints.

Econo-Coat® Gun/Manual System

Ruggedly Mobile Unit Ensures Quick Color Change, Efficient Powder Usage

The Econo-Coat manual system incorporates the production-proven Nordson two-wheel dolly with an updated vibratory box cradle and pick-up tube arm. The box feeder unit can be used with cartons from 11- to 25-kg (25- to 55-pound) capacity. The pick-up tube arm easily swings up and out of the way for fast, easy removal of the powder box for color change. The patented angled box cradle design enables virtually all of the powder to be pumped out of the box. This eliminates powder waste, and the mess of transferring powder to another box, associated with conventional box feeder systems.

Innovative "Fluidizing-assist" Design

Nordson's innovative fluidizing-assist design features a small porous disc at the bottom of the outer pick-up tube that passes just enough air to provide local fluidization of the powder. The small amount of air used to help fluidize the powder is drawn back up the inner pick-up tube with the powder being delivered to the gun, preventing powder from drifting out of the box, as with conventional fluidizing-assist designs used in other box feeder systems.

Additional Configurations Available

The Econo-Coat manual gun and control are also available in a mobile dolly system with fluidized hopper. Also, as a wall-mount configuration, the controller and gun can be mounted to an operator platform rail or booth wall, with powder supplied from a stand-alone vibratory box feeder or fluidized hopper.

Specifications

Manual Spray Gun

Gun Weight (w/o hose and cable)
600 Grams (21.2 oz.)

Length
325 mm (12.8 in.)

Height
202 mm (7.9 in.)

Control Unit

Height
134 mm (5.3 in.)

Width
330 mm (13 in.)

Depth
254 mm (10 in.)

Input Voltage
85 – 250 VAC, 1 phase,
50-60 Hz, 1 Amp

Output Voltage
6 – 21 VDC

Reach

Barrel from trigger forward:
200 mm (7.8 in.)

Optional lance extensions:
150 mm, 300 mm, 450 mm
(6 in., 12 in., 18 in.)



Input Air Pressure

4 bar (60 psi) minimum
7 bar (100 psi) maximum

Typical Air Consumption

Pump and fluidizing assist:
99.1 l/min (3.5 cfm)

Air Filtration

Air must be clean and dry.



*Econo-Coat mobile system
with fluidized hopper*



Nordson reserves the right to make design changes to products to improve their function. These changes may occur between printings.

For more information, talk with your Nordson representative or contact your Nordson regional headquarters office.

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