



Sure Coat® Manual Gun System

Superior powder spray gun features and selectable product-specific coating modes provide peak performance for every application.



Superior Gun Design for Maximum Performance

The Sure Coat spray gun combines advanced features with optimum operator comfort and control for superior coating performance, consistency and finish quality.

- **Lightweight, well balanced** – for ease-of-use and reduced fatigue.
- **Unique purge trigger** – keeps powder path clean during operation.
- **Electrode air rinse** – keeps electrode free of any powder build-up.
- **Two gun lengths** – provides appropriate reach without extensions.
- **Two extension lengths** – for increased reach when necessary.
- **Wide selection of spray nozzles** – tailor spray patterns to part geometry.

Sophisticated, Yet Easy-to-Use Controller

The Sure Coat controller combines advanced technology with familiar pneumatic controls for ease of use.

- **Bright LCD display** – for fast, easy monitoring of key operating parameters.
- **Long-life touch-key controls** – for fast, easy parameter selection and adjustment.
- **Extensive self-diagnostics** – assist with routine maintenance and troubleshooting.
- **Pneumatic regulators with constant-read gauges** – allow easy adjustment and monitoring without triggering the gun.

Advanced Selectable Coating Modes

Developed and patented by Nordson, Select Charge® technology, first introduced with the Sure Coat manual gun system, enables you to select the ideal electrostatic parameters for your particular application with a single touch.

- **Standard Mode** – fully adjustable electrostatic voltage and current limit control.
- **Select Charge Mode 1** – preset for re-coating applications.
- **Select Charge Mode 2** – preset for close-in coating and Faraday Cage penetration.
- **Select Charge Mode 3** – preset for deep cavity applications.
- **Select Charge Mode 4** – user programmable for specific applications or materials.



Part-specific coating modes for peak performance.



Automatic Feedback Current (AFC) Control

AFC control maintains gun current at a user-selectable limit by automatically adjusting the gun electrostatic voltage output based upon proximity to the grounded target. Particularly beneficial in manual coating operations where gun-to-part distance is continuously changing, AFC assures the highest quality of finish by delaying the onset of “back-ionization” or when a part accumulates an excessive electrostatic charge causing imperfections in the coating surface layer.

Flexibility to Meet Your Needs

Available in electric vibratory box feeder and 23 kg (50-lb.) and 36 kg (80-lb.) capacity fluidized hopper mobile systems, as well as rail-mount and wall-mount configurations, the Sure Coat manual systems will meet your specific powder coating requirements without compromise.

The vibratory box feeder mobile system lets you spray direct from the box in which your powder is supplied, for maximum operating flexibility and faster color change. The Sure Coat vbf system includes new design enhancements for improved performance.

- **Gun trigger actuated vbf motor** – for more convenient, efficient operation.
- **Forward-facing box cradle** – eases box removal to speed color change.
- **New pick-up tube and swing arm** – simplifies and speeds color change.

Sure Coat System Specifications

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Manual Gun

Height 25.4 cm (10 in.)

Length

- Long version: 43.8 cm (17.25 in.)
- Short version: 37.5 cm (14.75 in.)

Reach

- Long version: 27.9 cm (11 in.)
- Short version: 21.6 cm (8.5 in.)

Weight

- Long version: 560 g (19.7 ounces)
- Short version: 510 g (17.9 ounces)

Cable Lengths

6 meters (20 ft.) gun cable

4 meters (13 ft.) cable extension

Control Unit

Height 25.4 cm (10 in.)

Width 33.0 cm (13 in.)

Depth 15.5 cm (6.25 in.)

Input Voltage

85-250 VAC, 1 Phase, 50-60 Hz

Output Voltage

6-21 VDC

Input Air Pressure

4 bar (60 psi) minimum

7 bar (100 psi) maximum



Choice of lengths reduces the need for gun extensions.

Typical Air Consumption

Pump and fluidizing 99.1 l/m (3.5 psi)

Air Filtration

Air must be clean and dry



You can select from a wide range of spray nozzles.



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.

United States

Amherst, Ohio
 Telephone: 800.626.8303
 Facsimile: 888.229.4580
 Web: www.nordson.com/powder
 E-mail: powder@nordson.com
www.nordson.com

Canada

Markham, Ontario
 Telephone: 800.463.3200
 905.475.6730
 Facsimile: 905.475.8821
www.nordson.ca

Europe

Erkrath, Germany
 Telephone: 49.211.9205.0
 Facsimile: 49.211.254658
 E-mail: info@de.nordson.com

Japan

Tokyo, Japan
 Telephone: 81.3.5762.2700
 Facsimile: 81.3.5762.2701
 E-mail: ppa.dm@nordson.co.jp
www.nordson.co.jp

Asia/Australia/Latin America

Amherst, Ohio
 Telephone: 440.985.4000
 24-hour message service:
 440.985.4797
 E-mail: intcustomerservice@nordson.com

