

Versa-Spray® IPS-PE Powder Spray Guns



High-performance integral-power-supply spray guns for high-efficiency application of porcelain enamel powder coatings.

The new patented Nordson® Versa-Spray® IPS manual and automatic powder spray guns, now available in models for applying porcelain enamel powder coatings, incorporate the latest integral-power-supply technology and modular design for exceptional operating performance, efficiency and versatility.

The advanced design of the Versa-Spray integral power supply provides higher output voltage, under actual spraying conditions at typical gun-to-part distances, than conventional electrostatic spray guns. The result is higher first-pass transfer efficiency and dramatically improved coating coverage.

Versa-Spray gun bodies are constructed of lightweight, durable, non-conductive engineered plastics for maximum electrostatic attraction to the part to be coated, and for maximum ruggedness with minimum weight. The manual gun's handle is carbon-fiber-reinforced, semi-conductive plastic to help assure proper electrical grounding for safe operation, while also helping to further minimize gun weight.

Flexible, Low-Voltage Cable

An exceptionally flexible cable provides low-voltage power to the gun's integral voltage multiplier, which in the case of the manual gun contributes to vastly improved maneuverability, control and operator comfort.



Maximum Operating Safety, Easy Maintenance

The porcelain enamel model Versa-Spray guns, like all Nordson electrostatic equipment, meet the industry's strictest requirements for operating safety. The guns are also completely field repairable with modular replacement components if service is required.

Wear-Resistant, Interchangeable Parts for Easy Replacement, Cleaning

The gun's powder pathway module is easily removed, without special tools, for routine cleaning and wear parts replacement. Powder contact parts are made of specially engineered materials for maximum resistance to wear and impact fusion. The powder pathway module and internal wear parts are completely interchangeable between the manual and automatic gun, which helps minimize space parts inventory and associated costs.

Optional Nozzles

Optional conical-spray deflectors and flat-spray nozzles are available to help customize the spray pattern for particular parts being coated to help maximize transfer efficiency and minimize the amount of recycled coating material.



Optional flat-spray nozzle for use with non-combustible porcelain enamel powder.

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Features and Benefits

■ **Integral-power-supply design** provides higher voltage output and stronger field strength, under actual spraying conditions, for higher transfer efficiency.

■ **Modular construction** — Fast, easy disassembly for routine cleaning and field service minimizes downtime and maintenance costs.

■ **Wear-resistant materials** — All powder pathway components are made of specially engineered materials for exceptional resistance to wear and powder impact fusion.

■ **Shur-lok™ gun mount** — Non-slip fixture ensures positive automatic gun positioning on either fixed gun stands or gun-moving devices.

■ **Optional nozzles** — A variety of flat-spray and conical-spray nozzles provide exceptional spray pattern versatility for optimum coating coverage and efficiency on a wide range of part configurations.



Nordson pump for porcelain enamel powder coatings.

Powder Pump

A Nordson® powder pump specially designed for use with porcelain enamel powder coatings provides high-performance delivery capability with both manual and automatic spray guns. Pump operation is controlled by the Versa-Spray® control unit. Powder-contact parts are made of specially engineered materials for maximum resistance to wear and impact fusion.

Versa-Spray Control Unit

The Versa-Spray control unit supplies and controls low-voltage power to the gun's internal electrostatic voltage

multiplier. It also controls powder flow and atomizing air for the powder delivery pump used with the gun.

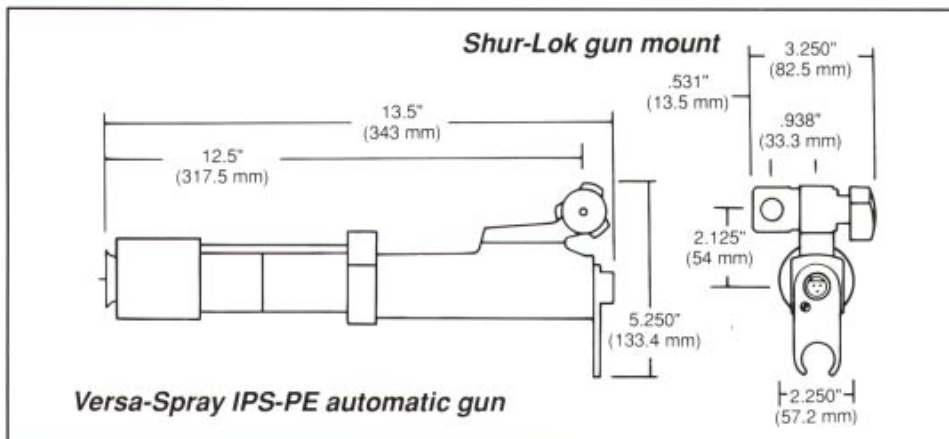
A large, easy-to-read LED display indicates the output voltage of the gun's internal power supply. A momentary switch changes the display to read gun current, in microamps, for diagnostic assistance in verifying proper gun operation and for troubleshooting.



Versa-Spray control unit for use with automatic guns in standard 19-inch rack cabinet.

The modular Versa-Spray control unit comes in a compact half-rack size for side-by-side mounting with other control units in a standard 19-inch instrument cabinet for use with automatic guns.

The same controller is available in a compact single-unit cabinet for convenient operator-platform mounting for use with individual manual guns. Control unit commonality also helps further minimize spare parts inventory and associated costs.



The Nordson Shur-lok gun mount provides secure positioning and easy adjustment on stationary gun stands or automatic gun movers.

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

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

United States
Amherst, Ohio
Telephone: (800) 626-8303
Telecopier: (216) 985-1471

Canada
Markham, Ontario
Telephone: (416) 475-6730
Telecopier: (416) 475-8821

Europe
Erkrath, Germany
Telephone: (49) 211-9205-0
Telecopier: (49) 211-254658

Japan
Tokyo, Japan
Telephone: (81) 3-3450-8818
Telecopier: (81) 3-3472-3301

Latin America and Far East
Amherst, Ohio
Telephone: (216) 988-9411
24-hour message service:
(216) 988-9421
Telecopier: (216) 985-3710

