

# AeroCharge™ Manual Spray Gun



*Revolutionary charging technology provides improved performance in the most challenging coating applications.*

The new Nordson AeroCharge manual spray gun\* features revolutionary charging technology that delivers improved coverage and finish quality in especially challenging coating applications such as parts with deep recesses, blind corners and other complex geometries, as well as recoating applications over cured or uncured powder.

The AeroCharge gun is 30 percent lighter than a typical corona gun to provide maximum operator comfort and control. An easy-to-use, pneumatic control unit makes operation of the gun extremely easy.



*Nordson AeroCharge manual spray gun and control unit; (inset) Close-up 'point and shoot' accuracy delivers unprecedented coating capability with uncompromising finish quality.*

## **Ideal Supplemental Coating Tool**

Designed for compatibility with conventional 'negative corona' guns, the AeroCharge gun can be a valuable supplemental tool that delivers performance previously unachievable with conventional powder coating technology alone. With it, powder coaters can now achieve improved recoating performance with either cured or uncured powder, increased penetration into Faraday-cage areas, and better finish quality even with heavier film builds.

With its unique charging method, the AeroCharge gun allows for very close positioning to the part for 'point and shoot' accuracy and quick film build, with less dependence on operator technique. This permits spray application closer to the part with longer dwell time, and with dramatically reduced back ionization, compared to corona guns.



*The AeroCharge gun improves recoating performance and penetration into Faraday-cage areas for optimal coating coverage in difficult coating applications.*

\*patent pending

# AeroCharge™ Manual Spray Gun

## Large Selection of Nozzles, Pattern Adjusters and Extensions

The AeroCharge gun utilizes two different size pattern adjusters and a variety of nozzles that vary pattern size, direction and spray velocity for easier, more efficient coating application. In addition, extensions can be stacked together to extend the gun's reach when coating parts with deep cavities and other recessed areas.



*Innovative AeroCharge nozzles and extensions help optimize spray pattern shape and reach, to accommodate a broad range of application requirements.*

## Highly Effective, Long-Life Charge Module Design

The AeroCharge gun features an innovative, exceptionally compact charge module that very effectively charges powder, extends service life, and facilitates easy disassembly for routine cleaning and maintenance. The innovative-design charge module features indexing capability that permits rotation to three different positions, and also end-for-end, for a total of six positions. This maximizes surface area available for charging and ensures the longest-possible wear life.

## Versatile Control Mounting

The AeroCharge control unit's versatile mounting design accommodates changing production requirements to meet current and future manual coating needs. The unit is easily adapted to either a rail-, dolly- or wall-mount configuration using appropriate hardware and bracketry.

## Improved Performance With A Variety Of Powders

The AeroCharge gun provides improved performance with several types of powder materials, including primid, TGIC polyester, polyester/urethane and polyester/epoxy hybrids. Consult your Nordson sales representative or powder material supplier to determine compatibility of your specific powder coating material with AeroCharge technology. Material testing may be required to verify an optimum match of powder and gun technologies.

## Features and Benefits

- **Exceptionally lightweight gun design** provides maximum operator comfort and control.
- **Easy-to-operate pneumatic control** provides fast, easy set-up and operation.
- **Easy-to-remove charge module design** facilitates routine cleaning and maintenance.
- **Innovative, indexing charge sleeve** provides six total positions to ensure optimum utilization of surface area for maximum charging performance and wear life.
- **Large selection of nozzles, pattern adjusters and extensions are available** for expanded operating versatility.
- **Easy control-mounting design** accommodates dolly-, wall- and rail-mount configurations for varying production requirements.

## Specifications

### Gun Weight (w/o hose and cable)

395 grams (14 oz.)

### Length

300 mm (12 in.)

### Reach

Standard barrel: 170 mm (6.7 in.)

Optional extended barrel: 270 mm (10.7 in.)

Optional extensions: 100 mm (4 in.)

### Height

188 mm (7.4 in.)

### Input Air Pressure

Minimum: 6 bar (90 psi)

Maximum: 7 bar (100 psi)

### Typical Air Consumption

Gun and pump: 209.5 l/min (7.4 cfm)

### Air Filtration

Air must be clean and dry

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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