Application Update

Liquid Painting with Trilogy® Electrostatic and Non-Electrostatic Spray Guns

In an effort to improve painting quality in difficult to reach areas, one of the world’s leading manufacturers of torq motors for the agriculture industry recently turned to Nordson for the latest in spraying technology. With help from CCO Finishing, a Nordson distributor, the manufacturer now incorporates five Nordson Trilogy® automatic electrostatic guns combined with a single Trilogy automatic non-electrostatic LVLP (low volume, low pressure) gun into their paint line – and is experiencing excellent results.

ISSUE

During the liquid painting process, the bottom of the torq motor was not sufficiently painted. The manufacturer was using electrostatic technology to paint the motor, and it was not penetrating many of the hard-to-reach surfaces underneath – such as mounting bolts.

SOLUTION

The distributor recommended the addition of non-electrostatic painting technology by using a Trilogy LVLP automatic gun. The gun, strategically positioned to reach the underside of the motor, is targeted to reach the difficult Faraday areas, while the five Trilogy electrostatic guns focus on the other areas of the motor.

RESULTS

Excellent atomization and pattern control is providing consistent overall coverage of the torq motor – both top and bottom. The customer is achieving the desired results – a better quality finish and less headaches.

The Trilogy non-electrostatic LVLP gun is an excellent all-purpose liquid spray gun with a cost-to-performance ratio that makes it ideal for general manufacturing applications or as a filler/primer gun. It is designed to minimize overspray and provide excellent handling for a variety of liquid spray applications. Other features include:

- **Optimum center of gravity** – provides easy handling
- **Rotating and swiveling air connection** – flexible handling allows easy gun movement
- **Stainless steel nozzle and needle**
- **Externally adjustable packing cartridge** – simplifies maintenance
- **Available in U.S. and Metric versions** reduce powder-in-process for maximum powder use with minimal color-change time

For more information on Trilogy liquid spray guns from Nordson, contact us today at 800.433.9319 or Nordson.com/liquid.