

Tribomatic®

Powder Spray Guns

Nordson® Tribomatic “frictional electrostatic charging” technology delivers exceptionally smooth finishes and excellent penetration into part recesses for high-quality powder coating results.

This line of Nordson powder spray guns includes the Tribomatic II automatic gun, Tribomatic 500 manual gun, and the Tribomatic manual and automatic “wand” gun for selected internal coating applications. The Tribomatic II automatic gun is designed for use with the Nordson iControl® gun control system. The Tribomatic 500 manual gun and Tribomatic wand are designed for use with the Nordson Vantage® control units.

Tribomatic 500 Manual Spray Gun

The Tribomatic 500 manual spray gun provides excellent tribo-charge performance in a lightweight, well-balanced design. The gun weighs less than 500 grams, which is much lighter than other manual tribo-charge spray guns. The Tribomatic 500 manual spray gun applies very smooth finishes and provides excellent penetration into Faraday cage areas and superior “wrap.” The inside of the gun is streamlined to provide high-charging efficiency in a compact design. It has a small outside diameter, which improves the operator’s reach into contours of the part.

The Tribomatic 500 gun uses a variation of Nordson’s wave-charging process that provides highly effective electrostatic charging for maximum transfer efficiency, as well as ease of routine cleaning and maintenance.

The Tribomatic 500 spray gun includes an adjustable conical nozzle for fast, easy spray-pattern control, from a large, soft pattern to a narrow penetration pattern.

Flexibility to Meet Your Needs

Available in electric vibratory box feeder and conventional fluidized hopper mobile systems, as well as in a wallmount configuration, the Tribomatic® 500 system offers convenience and flexibility to meet a broad range of powder coating requirements.

The vibratory box feeder model supplies powder direct from the manufacturer’s shipping container for fast color-change operations.



Two fluidized hopper models, 23 kg (50 lb.) and 36 kg (80 lb.) capacities, provide more consistent powder delivery, especially with more difficult-to-spray textured and metallic powders. The hoppers are easily disassembled for routine cleaning and color change.

Tribomatic Wand

The Tribomatic wand is designed to coat the inside surfaces of elongated products such as pipe and tubing. It can produce a variety of spray patterns for consistent surface coverage.

In operation, the Tribomatic wand is placed through the part to be coated, then triggered on as the gun is retracted from the part. A centering device is available to keep the gun centered in the part.

The Tribomatic wand includes a hand-held remote trigger for enhanced operator convenience and control. A variety of spray nozzles and extensions are available to effectively coat a wide range of products.



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

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