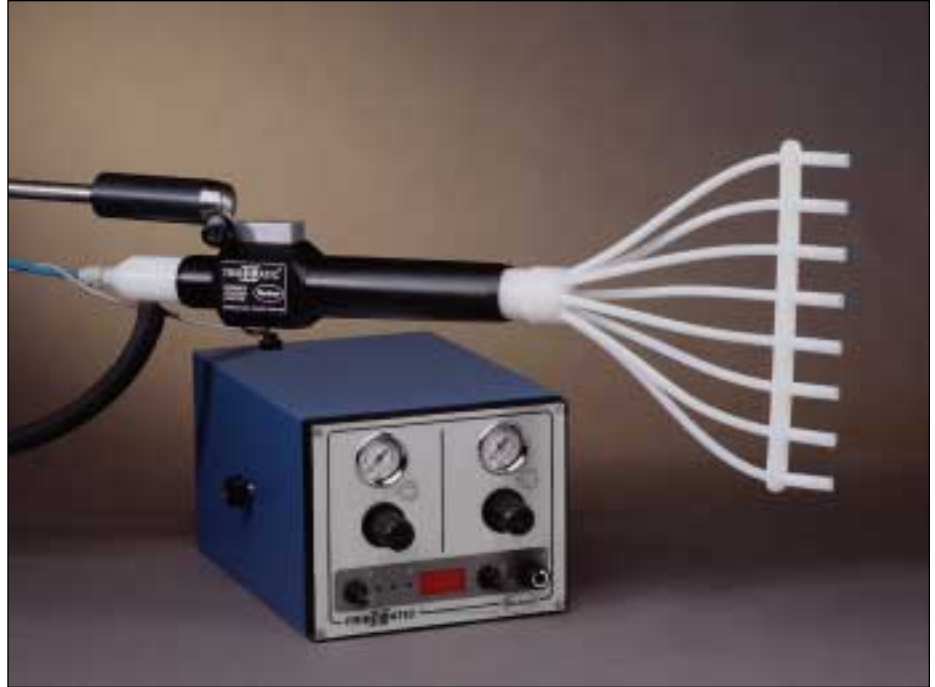


Tribomatic® II Powder Coating System



Tribo-charging system features increased powder output and ease of maintenance.



The Tribomatic II system provides optimum performance when coating complex-shaped parts.

The original Nordson Tribomatic system, through its unique friction-charging design, set the standard worldwide for superior coating efficiency, high film-build capability and excellent finish quality. The friction-charged powder particles effectively overcame Faraday Cage effect for superior coverage of complex-shaped parts with deep recesses and corners.

The patented Tribomatic II system introduces the next generation of tribo-charging technology. You get all the performance advantages of the original Tribomatic system plus several additional benefits.

Increased output

The powder output of the Tribomatic II gun is approximately *double* that of the original Tribomatic gun. In applications where *powder output* is the determining factor as to how many guns are required, you may need only half as many Tribomatic II guns to achieve the desired

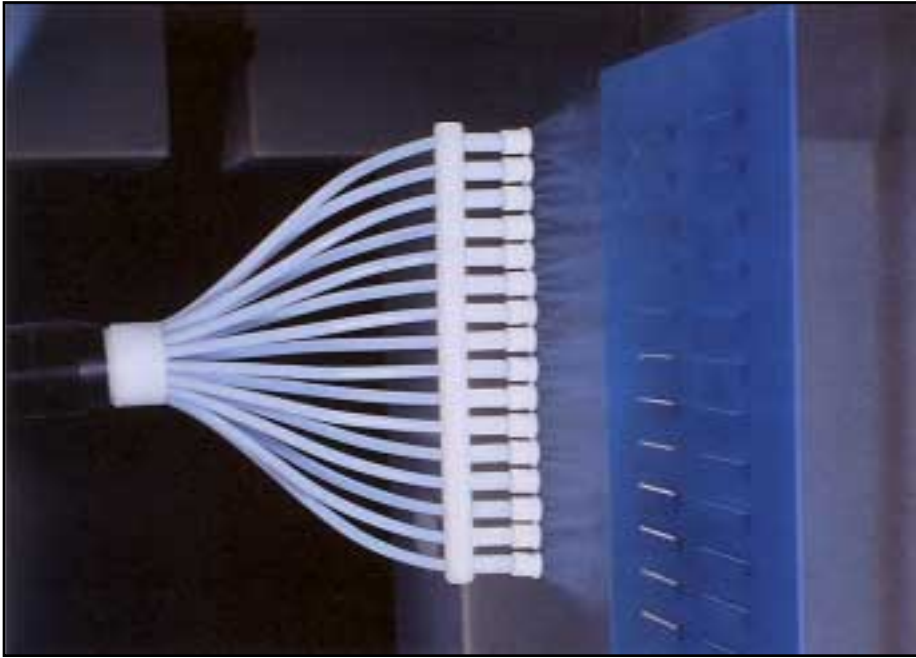
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Compact, lightweight charge module allows ease of positioning.

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Increased output

The powder output of the Tribomatic II gun is approximately *double* that of the original Tribomatic gun. In applications where *powder output* is the determining factor as to how many guns are required, you may need only half as many Tribomatic II guns to achieve the desired coverage. In applications where *gun positioning* is the determining factor, Tribomatic II guns can be operated at much lower powder flow rates. This reduces air consumption and extends the wear life of powder-contact components.

The increased output capability of the Tribomatic II gun makes it comparable to conventional corona-charging powder spray guns. The Tribomatic II gun's unique characteristics and capabilities may provide distinct advantages over conventional electrostatic guns in performance, versatility, simplicity of operation and overall operating costs.

Tribomatic II gun

The Nordson Tribomatic II powder spray gun is an assembly of modular components for ease of disassembly and maintenance. Major components include a diffuser, charge module and a wide variety of original-design Tribomatic sprayheads.

Compact charge module



The control unit sets and regulates powder flow rate, powder diffusion and level of charge.

The Tribomatic II charge module is less than half the length and substantially lighter in weight than the original Tribomatic charge tube. The shorter length, combined with the new in-line, multi-position gun mount provides virtually unlimited freedom in positioning the gun in any direction. Such gun positioning flexibility proves extremely valuable when coating three-dimensional parts of complex surface profiles.

Fast, easy cleaning and color change

The spray gun can be completely disassembled in a few minutes for fast, easy routine cleaning and contamination-free color change.

Field-replaceable wear parts

The Tribomatic II gun's powder contact parts are precision machined to carefully designed part geometries. This maximizes frictional charging performance while minimizing wear and powder impact fusion. All powder contact parts are field replaceable, either individually or in convenient service kit form, for low operating and maintenance costs.

The unique design of the Tribomatic II charge module's inner and outer wear sleeves provides controlled surface wear. This enables the inner and outer wear sleeves to be reversed, as a set, for exceptionally long wear life with no degradation of charging capability.

New in-line, multi-position gun mount

The space-saving design of the in-line, multi-position gun mount option requires half the booth opening space of conventional offset mounts. The mount provides virtually unlimited freedom in positioning the gun in any direction. Such gun positioning flexibility proves extremely valuable when coating three-dimensional parts of complex surface profiles. The gun can be easily disconnected and reconnected to the mount for faster servicing and more complete cleaning during color changes.

The Tribomatic II system

Optimum performance is achieved with a complete Tribomatic II system,



Modular Tribomatic II charge module disassembles easily for cleaning and routine maintenance.

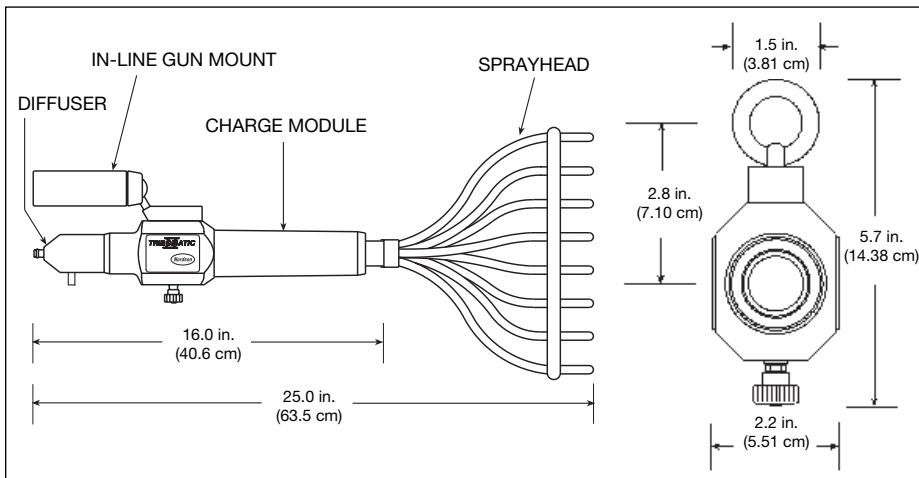
which includes a charge module, diffuser, pump and control unit. The Tribomatic II diffuser and pump are refinements of previous-generation components to optimize powder flow, powder charging and spray pattern uniformity.

Cost-effective retrofit

The Tribomatic II charge module is designed to work with original Tribomatic control units and sprayheads, for an exceptionally cost-effective upgrade of existing



The Tribomatic II manual system meets powder coating requirements for superior coating efficiency and excellent finish quality.



Tribomatic II spray gun and new, in-line multi-position gun mount dimensions.

Tribomatic systems. The charge module will also work with original Tribomatic pumps and diffusers, although there may be some reduction in performance.

Tribomatic II control unit

The Tribomatic II control unit uses advanced pneumatics and electronics to set and regulate powder flow rate, powder diffusion and level of charge. The unit includes an integral warning system to alert the operator when charging drops below the user-selectable minimum charging level. One control unit is used per gun.

The modular controller is a compact half-rack size, for side-by-side mounting with other control units. A standard Nordson 19-inch instrument cabinet can hold up to 14 Tribomatic II control units. The control unit works with several Nordson master control units, including the MC-3 control, the Smart-Spray[®] control and the existing Nordson Tribomatic master control.

Specifications - Gun

Dimensions

Length

(charge module and diffuser)
16.0 in (40.6 cm)

Length

(overall w/8-tube sprayhead pictured below)
25.0 in (63.5 cm)

Height

(charge module and mount)
5.0 in (12.7 cm)

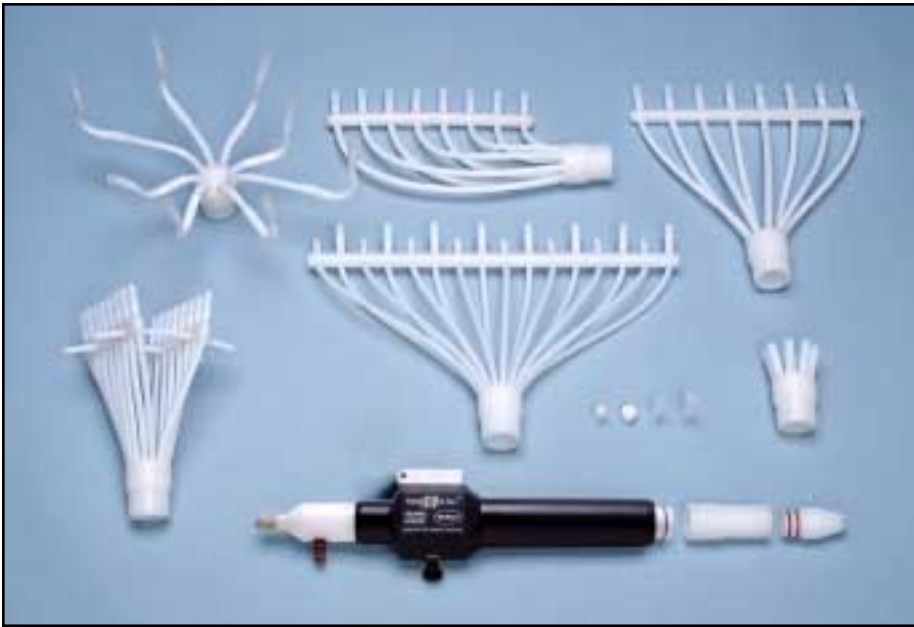
Width

(gun only)
2.2 in (5.51 cm)

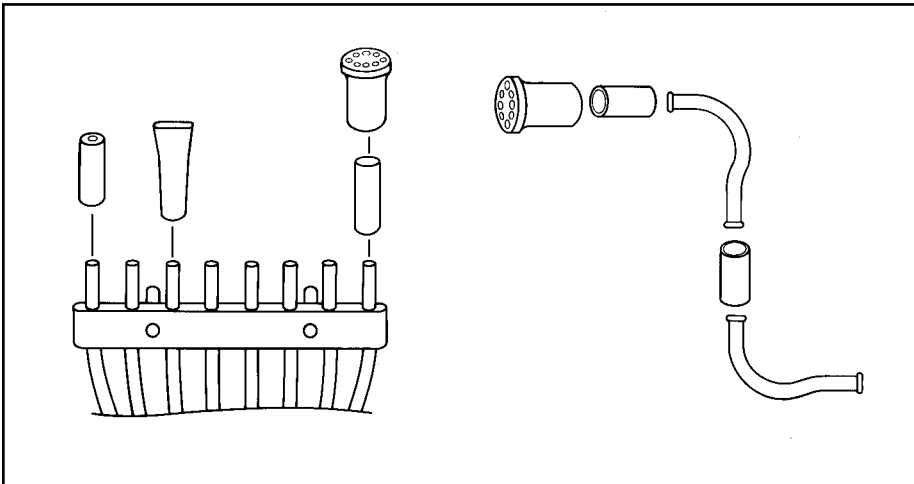
Weight

(charge module, diffuser and gun mount)
2.24 lbs (1,024 g)

Tribomatic® II Powder Coating System



Several optional sprayheads are available to meet a wide range of application requirements.



A variety of nozzles and angled sprayhead extensions allow precise control and placement of the spray pattern.

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

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