Coating Applications
for Drum Manufacturing
Whether you are manufacturing or reconditioning dozens or thousands of steel drums, Nordson offers the right coating technologies to keep your lines moving. We are the world’s largest supplier of precision dispensing and coating equipment, bringing engineered system solutions that deliver speed, lower costs and enhanced product quality in your operations.

Precision and Efficiency in Drum Coating Applications

- **Fast, efficient color change** – with an easy-to-use, graphic-based user interface.
- **Precise coating application** – eliminates masking when banding in different colors.
- **Minimal material use** – fine atomization and soft controllable spray minimizes waste.
- **Recipe-driven automatic color changes** – provide greater consistency and less waste for up to 100 recipes.
- **Higher productivity** – decreased downtime and reduced maintenance with a cleaner, more efficient operation.
- **Reduced operating costs** – by minimizing material costs and improving overall efficiency.
- **Meet specific production requirements** – with a wide range of standard and special models.

No matter what the size of your operation, Nordson’s complete line of airless spray systems can help you meet your application needs. The right technology makes a big difference in your coating operation – we will help you achieve precise coverage without masking, while reducing material use and achieving a cleaner, more profitable operation.
High-Performance Products for Superior Results

Nordson provides a wide range of painting equipment for drum coating. Our systems include proprietary spray nozzles; durable, production-proven spray guns; high-performance pumps; heaters; high-pressure filters and more.

Perma-Flo® Pump

- Modular design provides long service life and lower maintenance costs
- Excellent solvent chamber accessibility
- All stainless steel wetted parts for a wide range of applications
- Muffler design meets strict OSHA requirements for safe operation without hearing protection
- ScoreGuard™ wear-resistant coating on plungers and housings provides superior performance and toughness
- Improved air motor design reduces pump wink
- Integral mounting bracket for easy installation and direct retrofits with 180D/360D pumps
- Threaded high-pressure housing design simplifies assembly and disassembly
- All pneumatic circuitry eliminates mechanical linkage failures
- Quick-disconnect coupling reduces maintenance time by enabling quick replacement or repair of the hydraulic section and leaving the air motor section mounted in place
- Adjustable upper packing gland provides longer packing life with a design that allows quick replacement without pump disassembly

A7A Modular Airless Spray Guns

- Reliable automatic spray guns for high-production airless drum coating applications
- Compact, rugged, stainless steel construction
- Compatible with proprietary Nordson drum head nozzles
- 207 bar (3000 psi) pressure rating
- Fast cycling with positive cutoff
- Non-stick coating on internal parts provides longer service life
- Mounts to 1/2" round bar – for fast, easy installation
- Gun body is removable without disconnecting air and fluid lines
- Several models available – single-chamber, dual-chamber and Quattro guns can provide fast cleaning and color change with no downtime

Nordson Controlled Pattern Nozzles

- Provides optimum uniformity of coating thickness for material savings and high quality finish
- Excellent atomization at lower fluid pressures for a soft spray with less material use and bounceback
- Unique spray pattern to coat drum ends more efficiently and uniformly
- Proven materials for any application – custom-carbide nozzles for solventborne or waterborne

Nordson Precision Nozzles

- Provide improved atomization with a wide range of materials, including highly viscous and difficult-to-atomize coatings
- Low pressure airless spraying reduces material waste and equipment maintenance costs
- Produce significantly wider fan patterns than conventional airless nozzles – up to 28 inches wide
- Inherently less prone to plugging, eliminating the need for costly and unwieldy self-cleaning
- Available in Cross-Cut® or Dome configurations, for application versatility
Drum System Controller Package

- PLC control system specially designed for the drum coating industry
- Touchscreen, graphics-based user interface makes operation simple
- Storable recipes for easy, repeatable changeover to different color combinations
- Monitors temperature, pressure and pump operation in a single system to provide proper material flow
- Monitors amount of paint being dispensed through the system, allowing the calculation of VOCs for easier reporting
- Maintains a corrective action history for faster, improved troubleshooting and maintenance
- Permits fast and easy color changes with minimal waste
- Timer-based control system protected with battery backup

Ancillary System Components

- Stainless steel fluid filters prevent nozzle clogging by continuously filtering paint through dual or step filters
- NH-4 fluid heater provides precise temperature control
- Automatic color changers provide unmatched color flexibility

Standing Behind You...Every Step of the Way

Nordson has earned a reputation for its commitment to the success of our customers. From start to finish, Nordson customers are considered partners in evaluating the best approach to meet challenging application requirements. We will be there from systems engineering and development through installation and start-up. After, our worldwide service and support team will remain with you – 24/7.

Call Nordson today at 800.433.9319 to get started on your paint line improvements.

www.nordson.com/container

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

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