

Liquid Coating and UV Curing Solutions

for quality, consistency, efficiency



Equipment...and Spray Finishing System Solutions

Nordson is a leader in automated spray finishing applications for liquid solvent and waterborne coatings and UV curing applications on wood, metal, plastic and glass products.

- Innovative spray application and UV curing technology and controls.
- Modular component design for reliable, consistent performance and maximum uptime.
- Fluid delivery devices for precise application and control of liquid coatings including solvent-based, water-based, and UV materials.

Application Expertise

- Expertise in application development and system design meeting specific material, parts and plant requirements.
- Concise, thorough documentation for system quotation, installation, start-up and operation.
- Equipment test demonstrations on customer specific parts to assure success and satisfaction prior to sale.
- System staging prior to shipment to facilitate installation.

Total
Spray Finishing Application
and UV Curing
Solutions



Wide Range of Liquid Coating and UV Curing Applications

Nordson systems are engineered to meet your specific requirements.

Electrostatic

Superior performance and painting efficiency with many substrates, coatings and part profiles.

Electrostatic Waterborne

High-performance waterborne coatings with low VOC levels.

Liquid UV Coating and Curing

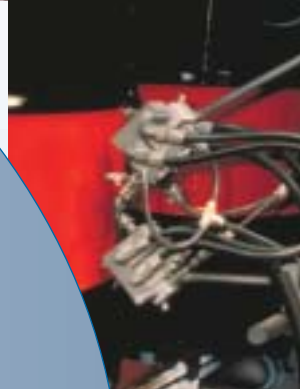
Faster process times in smaller footprint uses less energy to deliver more durable finish quality with no VOCs.

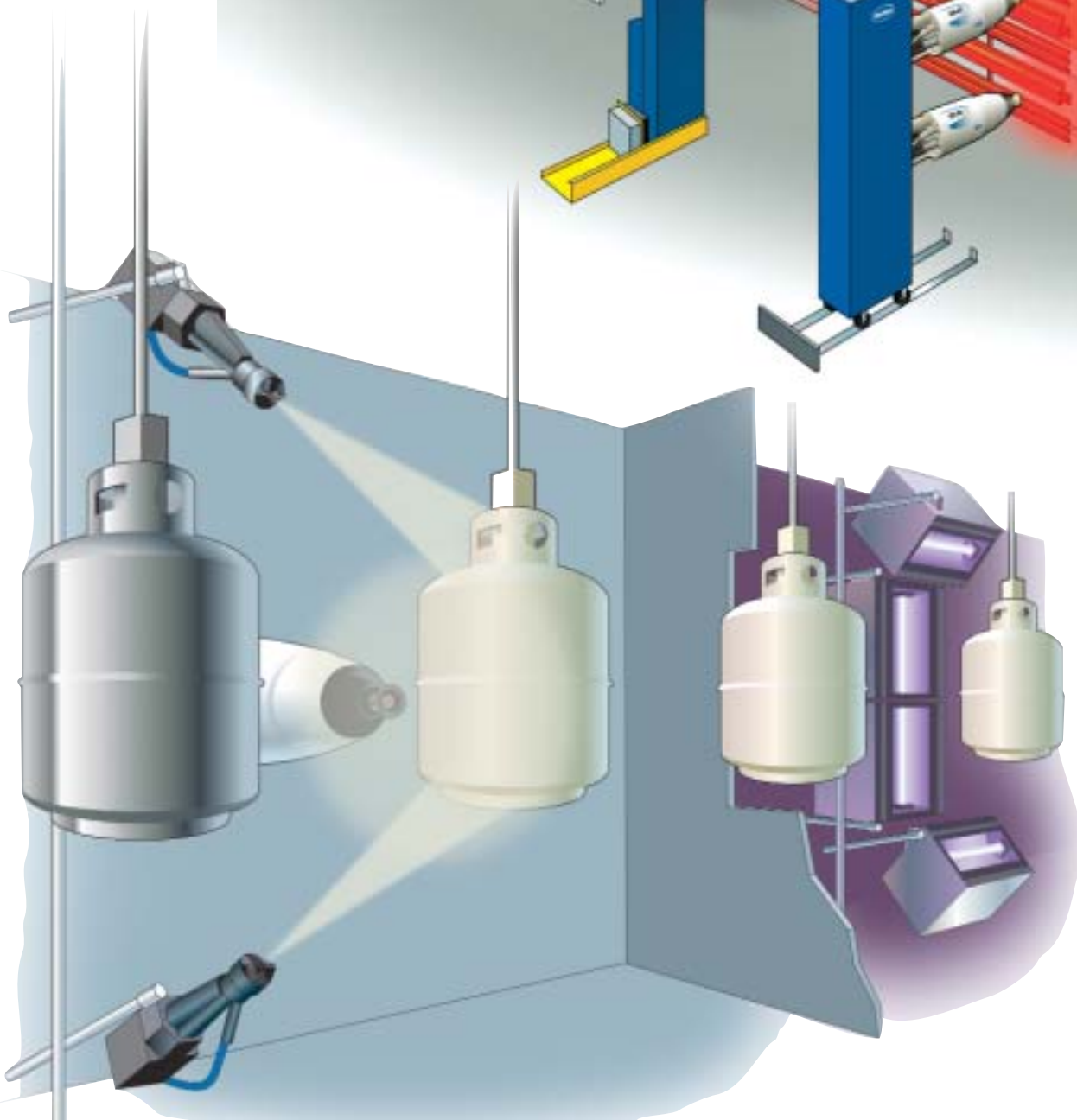
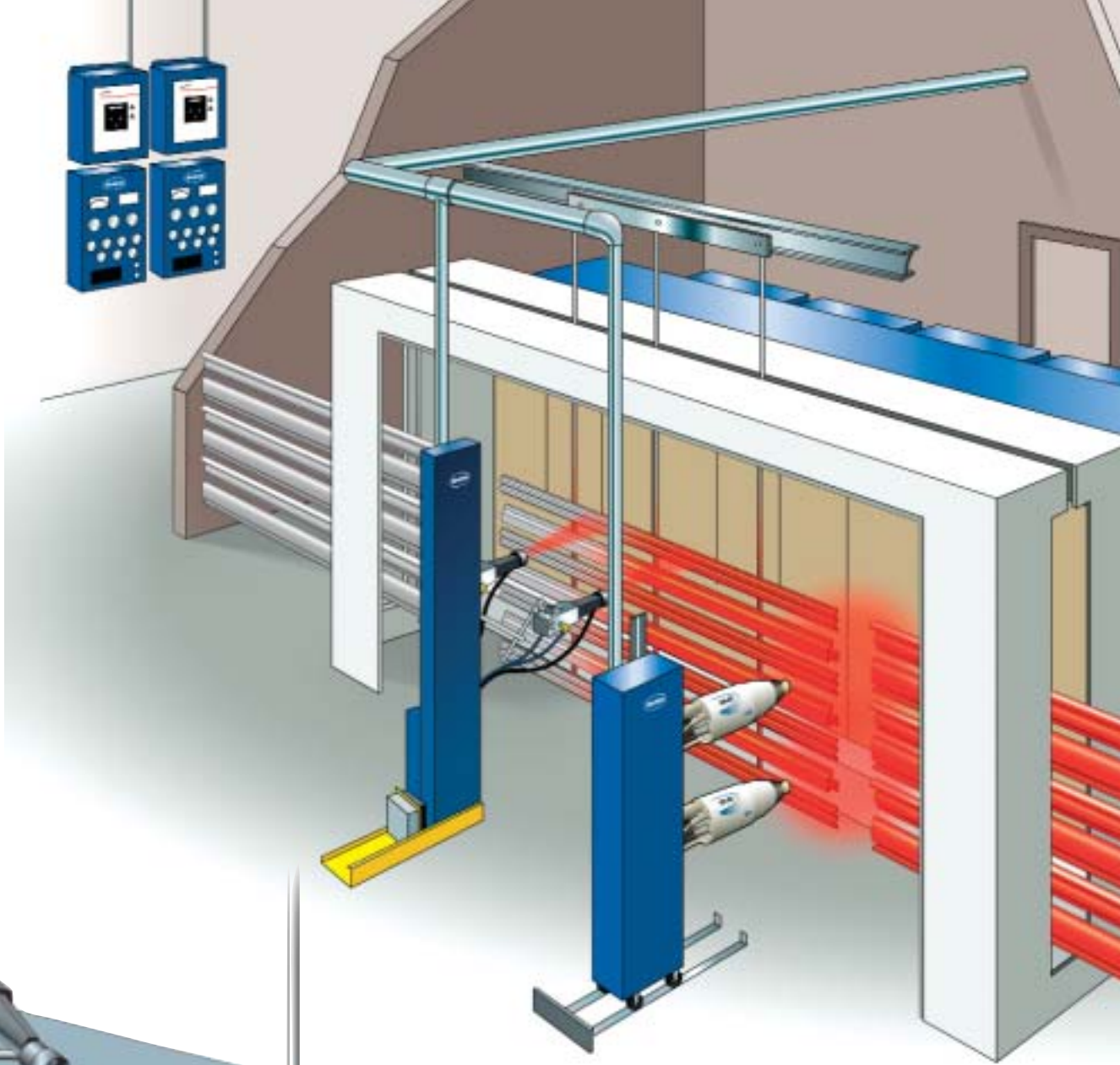
Non-Electrostatic Airless and Air-Assisted Airless

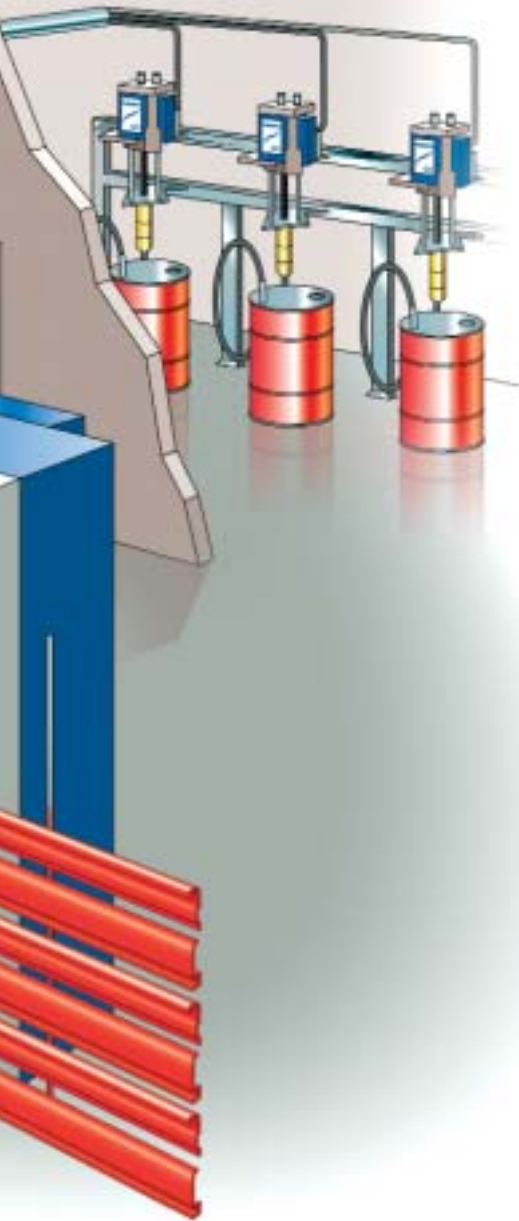
Excellent transfer efficiency, precise paint distribution and fast color-change performance in high-speed production lines.

Support Services

- An experienced project management team.
- Expert installation specialists.
- Formal and hands-on training.
- Factory direct, 24/7/365 service.
- Preventive maintenance packages.
- Technical assistance hotline.
- In-house technical representatives available.
- Replacement parts in stock.
- Dedicated Customer Support Center.







Electrostatic Technology

Superior application performance and painting efficiency with a variety of substrates, coatings and part profiles.



Kinetix®

- Air spray, airless spray, air-assisted airless and KVLP
- Automatic and manual applications
- Superior transfer efficiency, improved finish quality
- Increased capacity, less scrap and rework
- Improved operator comfort



Patented RA-20 and RA-20R Rotary Atomizers

- High transfer efficiency with variety of coatings
- Quality finishes, with greater throughput and less waste
- Ideal for coating deep recesses and contoured, hard-to-coat products

UV Curing Technology

Full line of electrode and microwave curing systems for clean, efficient operation in small footprint with less process time and contamination for durable, quality finishes



CoolWave® Microwave-Powered Systems

- Modular design allows for wider curing applications
- Proprietary dichroic-coated reflectors for cooler operation, higher intensity, and design flexibility
- Durable, stainless-steel lampheads resist oxidation and reduce contamination
- No internal gasketing reduces operational and maintenance costs and downtime, compared to other microwave lamp technologies



UV Star Electrode Systems

- 23-second start-up time is fastest electrode lamp start-up on the market
- 4", 6", 8", 10" and 13" lengths available
- Ideal for curing 3-D shapes
- Single and dual units for specific energy density requirements
- Integral and remote cooling capability

Liquid Coating and UV Curing Solutions that Do More with Less

Every day Nordson helps today's manufacturers... reduce costs...enhance efficiency...increase productivity and throughput...decrease VOCs... improve the speed of color changes. All while maintaining the highest finish quality.

Electrostatic Waterborne Technology

Safer, cost-effective technology for high-performance coatings with low VOCs.



Patented Iso-Flo® HD System

- Consistent spray application performance
- Heavy-duty pumps, rugged steel cabinets for superior productivity
- Air-gap isolation of coatings for operating safety
- Automated and manual painting systems

Liquid Coating and UV Curing Technology

Faster process time with greater productivity and efficiency in smaller footprint using 100% solids, zero-VOC coatings for more durable finishes, lower film build and less contamination when compared to powder coatings.



Kinetix® Automatic KVLP Gun

- Extreme fan pattern control from 4 to 20 inches for consistent coverage
- 93 kV at gun tip for superior transfer efficiency
- Provides precisely atomized 'soft' spray
- 62 fluid tip and air cap combinations for optimum KVLP settings



RA-20 Rotary Atomizer

- Softer, finely atomized spray for precise film build and optimal coating
- Wide pattern adjustability from 8 to 42 inches
- Excellent pattern control reduces overspray and waste



780S Series Low Volume Low Pressure (LVLP) System

- No overspray, no mist, no bounce
- High transfer efficiency
- Extremely consistent coverage
- Adjustable fluid flow, nozzle air and post-air cutoff

Non-Electrostatic Airless and Air-Assisted Airless Spray Technology

For high production speeds with excellent transfer efficiency, precise paint distribution, and fast color-change performance.



A7A Automatic Airless Spray Guns

- Quick, clean color changes
- Compact, high-cycle, pneumatically triggered design
- Fast response time with soft, controllable spray
- Excellent finish with minimal overspray



A7AA Air-Assisted Airless Spray Gun

- Sprays viscous and hard-to-atomize coatings
- Compact, high-speed, automatic spray applications
- Non-circulating or circulating versions for heated systems, or for continuous circulation of fluids



A4B Airless Manual Spray Gun

- Lightweight, rugged, easy to operate
- Long service life
- Non-circulating version for cold airless painting
- Circulating version for high-performance heated airless painting

Fluid Delivery Technology and Other Ancillary Equipment

Whatever the liquid painting requirements, Nordson's full line of technologies and equipment can be integrated to provide you with the highest level of performance and efficiency to meet your application needs.

- **Heavy-Duty Pumps** – patented ScoreGuard® coating provides superior performance with maximum pump life. Two-year, 'no questions asked' guarantee.
- **Stainless Steel, High-Pressure Fluid Filters** – prevent nozzle clogging with continuous filtering of paint through dual or step filters.
- **A7A Automatic Color-Change Valves** – fast, reliable color-change performance in circulating and non-circulating systems; available in high- and low-pressure configurations.

UV Applications

Zero-VOC, ultraviolet (UV) curable coatings are applied/cured to three-dimensional substrates including metal, wood, plastic, glass and composites with Nordson technology.

- **Circulation Valves** – maintain material flow rate in distribution systems for improved efficiency.
- **Proprietary Cross-Cut® Nozzles** – deliver softer, low-velocity spray with excellent atomization; spray wide range of coatings, including highly viscous and difficult-to-atomize materials.
- **Fluid Heaters** – provide precise temperature control to reduce coating material viscosity and increase operating efficiency without adding solvent.



- **Controls** – accurate, simple-to-use PLC control systems provide automatic control of spray device trigger points for improved paint savings and cleaner operation.
- **Reciprocators and Oscillators** – built specifically for your systems requirements as part of a total finishing system. Features include vertical triggering capability, in-out positions, PLC interface, and Variable Frequency Drives.

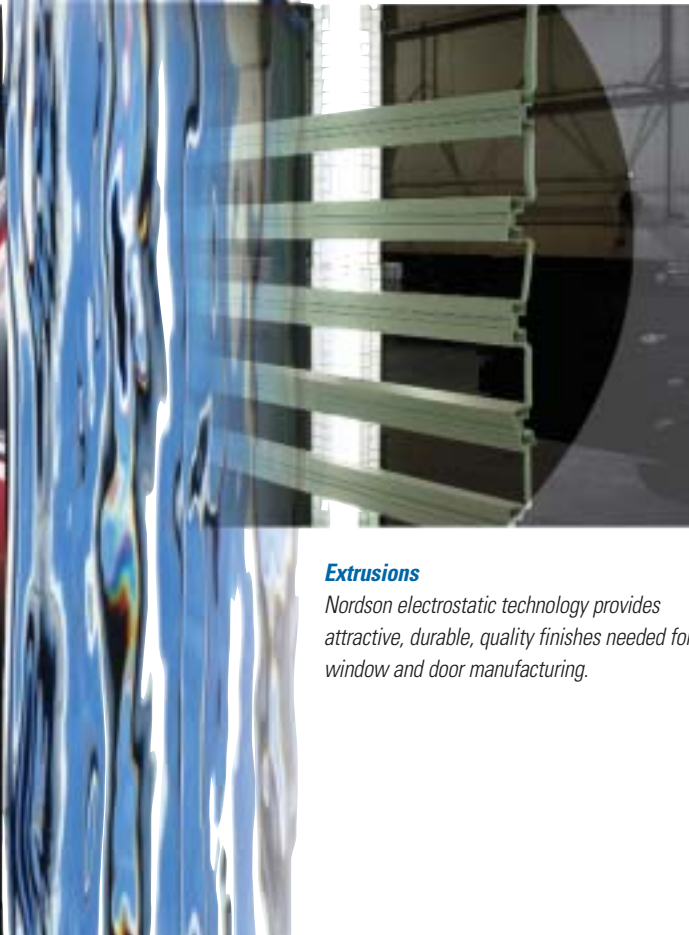
Auto Wheels

Stringent requirements for consistently superior finishes in automotive wheel production are met with Nordson systems that apply corrosion- and UV-resistant finishes, colors and metallics that maintain their original luster and sparkle.



Extrusions

Nordson electrostatic technology provides attractive, durable, quality finishes needed for window and door manufacturing.



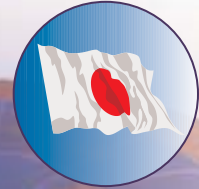
GLOBAL STRENGTH **FOR IMMEDIATE RESPONSE**

Our integrated worldwide network of knowledgeable, experienced professionals and research and testing facilities assure that Nordson will help its customers gain the competitive edge.

Australia



Japan



United States



Canada



Germany



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

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