



S P R A Y S Y S T E M S



Benefits of the Kinetix Spray System

Transfer Efficiency

Reduced Material Costs and Environmental Compliance

- 93 kV at the gun tip - the highest in the industry - delivers superior transfer efficiency and paint wrap.
- Automatic Current Limiting customizes electrostatics to specific part profiles for improved coverage across the part and into contours and recesses.
- Extreme fan pattern control from 4 to 20 inches, with quick, easy adjustment for multiple configurations to deliver consistent part coverage.
- Strong electrostatic load line keeps voltage consistently high, even as gun-to-part distance changes, for higher transfer efficiency.



Automatic Current Limiting customizes electrostatics to specific part profiles for optimal coverage and efficiencies.

Painter Productivity and Safety

Increased Capacity and Production Throughput, Reduced Scrap and Rework, Improved Appearance

- Lightweight, balanced, handle-forward design provides maximum maneuverability for improved painter comfort.
- Easy access to precise controls at painter's fingertips allows for fast, easy adjustments to maintain production pace and deliver quality finishes.



Durable single-piece multiplier for trouble-free operation and better weight distribution.

- Anti-wrap-back feature reduces operator exposure to VOCs and overspray for greater operating safety.
- Over 62 fluid tip and air cap combinations are available for greater flexibility.

Nordson Reliability

Lower Maintenance Costs, Less Downtime

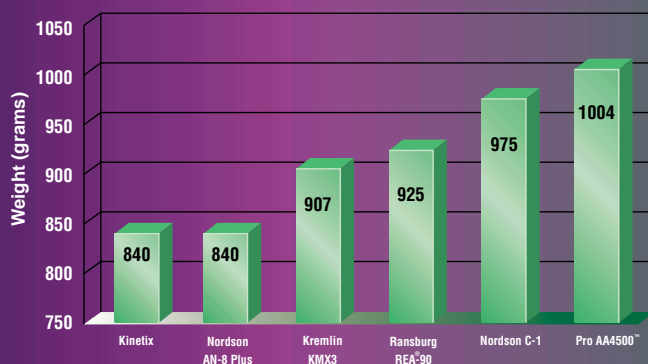
- Gun bodies are constructed of super-tough carbon-filled polyamide materials for long life under punishing manufacturing environments.
- Aircraft aluminum used for retaining screws and manual-gun triggers is strong, yet lightweight.
- Carbide ball-and-seat combinations and durable PEEK materials for air caps and fluid tips deliver maximum wear resistance.
- Tough, single-piece multipliers are positioned inside gun and contain no fragile moving parts for longer life.



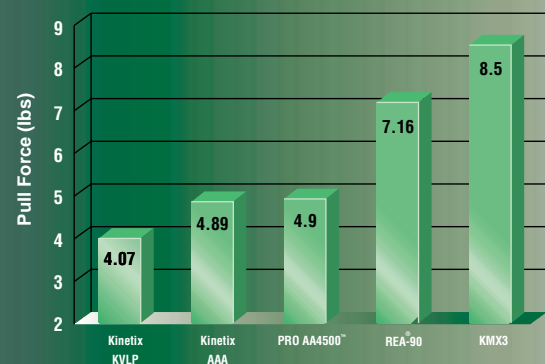
Advanced packing cartridge provides insurance against carbon tracking and resultant voltage loss.

- Self-adjusting packing cartridges are designed for long, trouble-free operation and fast, easy routine maintenance.
- Production-proven, proprietary Cross-Cut® nozzles for precise atomization and soft-spray efficiencies.

Lightest Gun



Easy Trigger Force-Pull



Easiest trigger force pull and lightest gun means less fatigue and higher productivity.

Kinetix Spray Systems balance each element of liquid finishing.

Nordson Kinetix™ spray systems* are designed to deliver superior application performance with a variety of substrates, coatings and part profiles. The complete line of advanced Kinetix electrostatic spray systems feature air spray, airless spray, air-assisted airless and HVLP technologies for both automatic and manual applications.

Kinetix technology optimizes the key mechanics of spraying – including electrostatic power, air energy, fluid

pressure, and dynamic motion. The synergy of these elements created by Kinetix delivers results: superior transfer efficiency; increased capacity with less scrap and rework costs; and improved operator comfort in manual applications for reduced material waste and improved finish quality.

*patent applied for



Electrostatic Power

Powerful systems manage electrostatics for maximum transfer efficiency.

The integrated multiplier design of Kinetix technology brings the power of electrostatics to your finishing operation. Kinetix guns are the highest kV guns available. Automatic Current Limiting lets you adjust the charge to coat your specific part profiles. And with the strongest electrostatic load lines, Kinetix spray systems deliver better transfer efficiencies.



Air Energy

Air management is key to paint efficiency and part coverage.

Nordson air caps produce fine particle atomization at lower pressures for improved part-to-part transfer with minimal overspray. Kinetix guns feature large diameter air ports for more air energy at the tip which allows you to atomize your most viscous coatings. Fast, easy air adjustments for greater fan pattern control accommodates varying part configurations. Feather-out finishing of hard-to-coat areas with smoother, consistent coverage is now possible with Kinetix spray systems.



Fluid Pressure

Good fluid control is critical to an effective finishing operation.

The Kinetix advanced packing cartridge prevents fluid leakage, minimizing the risk of carbon tracking and loss of electrostatic power. Tough, wear-resistant carbide ball and seats easily accommodate abrasive fluids. Use of PEEK materials for Kinetix fluid tips provide exceptional field strength for durable operation.

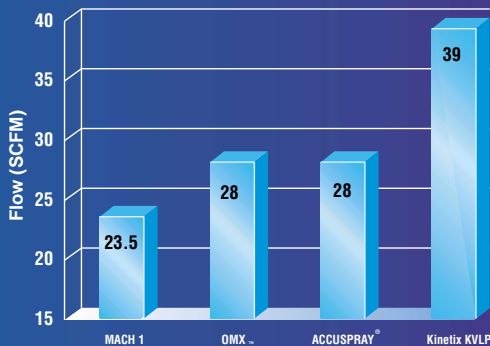


Dynamic Motion

Technology design that integrates gun motion and ergonomics to deliver optimal performance.

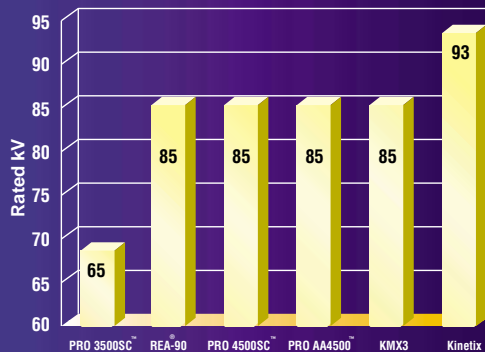
No other electrostatic gun in the industry is lighter than Kinetix. Our compact automatic gun design offers more flexibility in mounting options to meet your changing requirements. The balance and comfort of our manual guns minimize operator fatigue and maintain consistent part-to-part coverage. The balanced, handle-forward design equally distributes gun weight over the hand for comfortable handling and consistent control. An anti-wrap-back feature reduces exposure to VOCs for improved operating safety and comfort.

Air Energy



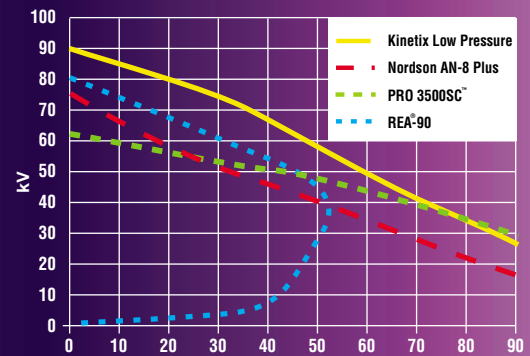
Highest SCFM gives flexibility to set air pressures and volumes to optimal atomization settings.

Electrostatic Power

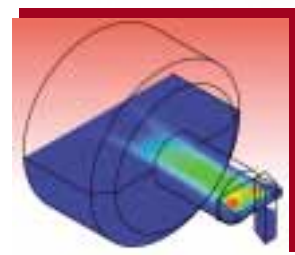
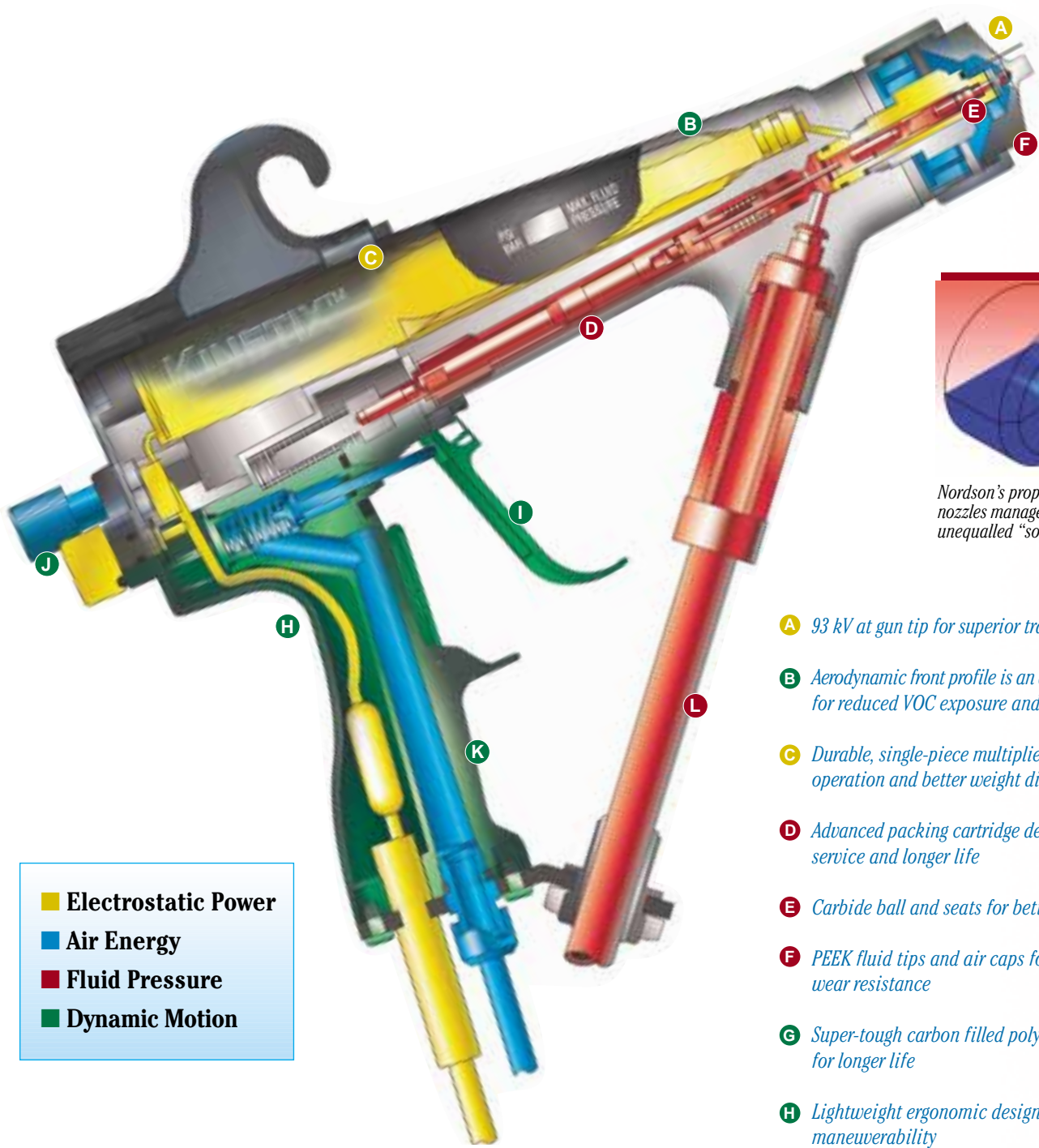


Kinetix is the highest kV-rated gun available providing maximum transfer efficiency.

Strongest Electrostatic Load Line



Kinetix provides highest electrostatic voltage over the full range of normal operating micro-amp draw.



Nordson's proprietary Cross-Cut® nozzles manage fluid pressure for unequalled "soft spray" patterns.

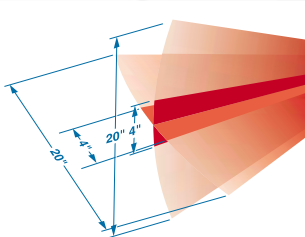
- **Electrostatic Power**
- **Air Energy**
- **Fluid Pressure**
- **Dynamic Motion**

- A** 93 kV at gun tip for superior transfer efficiency
- B** Aerodynamic front profile is an anti-wrap-back feature for reduced VOC exposure and waste
- C** Durable, single-piece multiplier for trouble-free operation and better weight distribution
- D** Advanced packing cartridge design for easier service and longer life
- E** Carbide ball and seats for better durability
- F** PEEK fluid tips and air caps for increased wear resistance
- G** Super-tough carbon filled polyamide gun body for longer life
- H** Lightweight ergonomic design for easy, whole-shift maneuverability
- I** Aircraft aluminum triggers and extension retaining screws are tough, yet lightweight
- J** Easy access controls at painter's fingertips for fast, easy adjustments
- K** Handle forward design for reduced risk of repetitive motion injuries
- L** Patented Iso-Flex™ hose prevents voltage leakage
- M** FM, CSA approvals for electrostatic safety

REA®-90 is a registered trademark of ITW Ransburg Corporation.
 ACCUSPRAY® is a registered trademark of AccuSpray Inc.
 PRO AA4500™, PRO 3500SC™ and PRO 4500SC™ are trademarks of Graco Inc.
 OMX™ is a trademark of ITW DeVilbiss.
 KMX3 is a trade name of Kremlin Inc.
 MACH 1 is a trade name of ITW Industrial Finishing Binks.

This CD can be used in a standard CD ROM drive.

Kinetix is engineered for superior performance.



Extreme fan pattern control – from 4 to 20 inches – provides quick, easy adjustment for multiple part configurations.



Kinetix Atomization Technologies

Kinetix KVLP

- True electrostatic HVLP technology
- Large air passages deliver maximum air energy to the tip for easier atomization and larger flow rates
- 62 tip and air cap combinations provide optimum KVLP settings
- Extreme fan pattern control - 4 to 20 inches

Kinetix AAA

- Soft-spray technology means proprietary Cross-Cut® nozzles with precise air-assist
- Fine atomization and very slow particle velocity deliver superior transfer efficiency



Kinetix Air Spray

- Large air passages provide maximum air energy at the tip for easier atomization
- 54 fluid tip and air cap combinations provide optimum air spray settings
- Extreme fan pattern control - 4 to 20 inches

Kinetix Airless

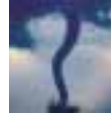
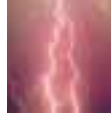
- Proprietary Cross-Cut® nozzles for superior atomization
- Nordson's strong tradition in precision dome style nozzles

Kinetix Watermark®

- Direct charge transfer efficiency for waterborne applications
- Ultra-lightweight - no multiplier needed in gun
- Iso-Flo® technology



The Complete Kinetix Story



Kinetix technology redefines your expectations of electrostatic finishing: superior control and balance for reliable operation with consistent performance. Kinetix is not just a spray technology, but a whole new way to improve your finishing operations. It is only part of Nordson's complete line of quality application equipment for all your liquid finishing requirements. Be sure to ask your Nordson distributor representative about the full range of Kinetix products and services.

Systems

Turnkey Automatic Systems

Fully engineered automated spray systems with guns, controls, reciprocators, etc.

Manual Systems

Cart or wall-mounted manual systems including pumps, filters, heaters, flexible hoses

Iso-Flo® Systems

Waterborne systems with patented air-gap technology for efficient automatic and manual applications

UV System Technologies

Turnkey UV Kinetix spray and curing systems, including KVLP, air spray and RA-20 rotary atomizers

Hot Spray

Kinetix hot spray/high solids packages, with over 30 models of heaters, for every spray application

Technology

KVLP

Electrostatic HVLP technology using 62 fluid tip and air cap combinations in automatic and manual operations

Air-Assisted Airless

Electrostatic air-assisted airless Kinetix guns featuring Cross-Cut® and precision dome AAA nozzles for automatic and manual applications

Air Spray

Highest kV-rated gun in the industry with extreme fan pattern control uses 54 fluid tip and air cap combinations in automatic and manual operations

Airless Classic

Classic Nordson electrostatic airless systems with integrated Kinetix technology and Cross-Cut and precision dome airless nozzles for automatic and manual operations

Watermark®

Waterborne air spray and KVLP spray systems featuring Iso-Flo®'s direct-charge efficiencies for automatic and manual applications

Support

Nordson Campus

World class lab and test center for full-scale application testing with robotics, UV, RA-20 rotary atomizers, controls, etc.

Paint Scholar

Personalized training seminar on the academics of Kinetix painting at Nordson campus in Amherst, Ohio

On-Site Demos

Plant demos on Kinetix technology, including atomization recommendations, training and on-line comparison testing

Payback Calculator

Audit Report on Kinetix technology to calculate waste reduction, paint savings, capacity increase, reduced rework, labor savings and maintenance cost reductions

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

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

United States

Amherst, Ohio
Telephone: (800) 955-9563
Facsimile: (440) 985-1536
www.nordson.com/liquid

Canada

Markham, Ontario
Telephone: (905) 475-6730
(800) 463-3200
Facsimile: (905) 475-8821
www.nordson.ca

Europe

Erkrath, Germany
Telephone: (49) 211-9205-0
Facsimile: (49) 211-254658

Japan

Tokyo, Japan
Telephone: (81) 3-5762-2700
Facsimile: (81) 3-5762-2701

Asia/Australia/Latin America

Amherst, Ohio
Telephone: (440) 985-4000
Facsimile: (440) 985-3710
24-hour message service:
(440) 985-4797
24-hour facsimile service:
(440) 985-1096

www.nordson.com



When you expect more®