

# Value Plastics

A Nordson Company

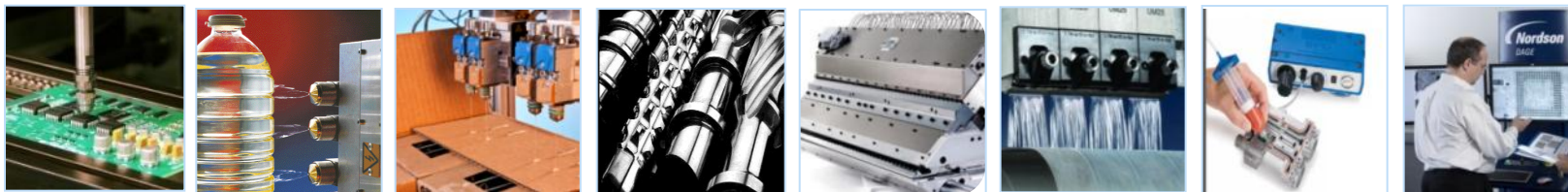
*Specialists in Fluid Connections*



VALUE PLASTICS, INC.  
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# Nordson Corporation

## Precision Technology Solutions



Dispensing & Processing - Fluid Management - Test & Inspection - Surface Treatment

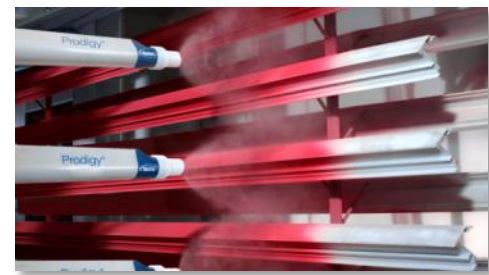
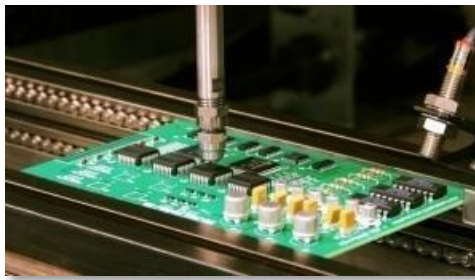
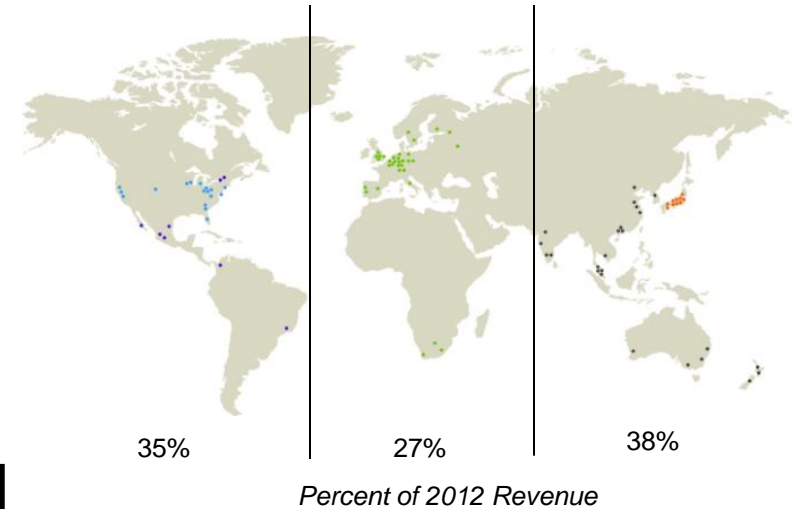
**NASDAQ:** NDSN



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# Nordson Overview (Nasdaq: NDSN)

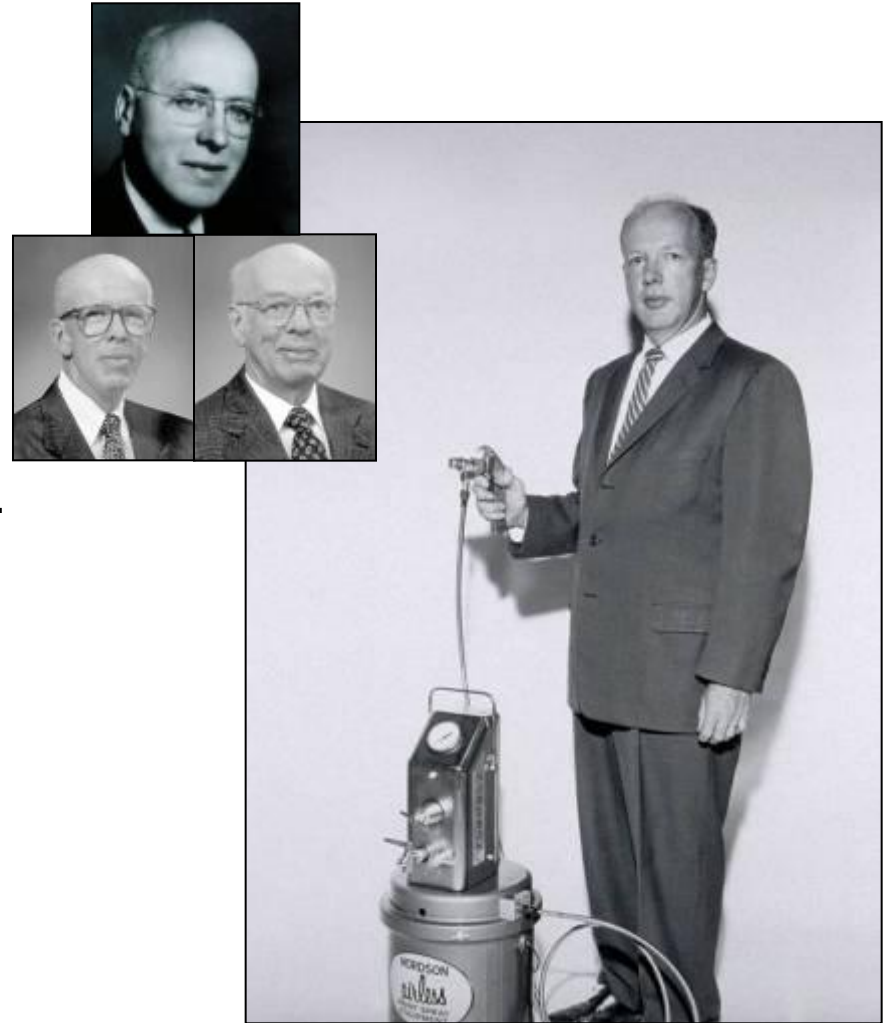
- Founded: 1954
- FY2012 Sales: \$1.4 billion
- Direct Operations: 30+ countries
- Employees: 5000+
- Headquartered in Cleveland, OH



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# History

- U.S. Automatic Co. founded 1908
- Walter Nord and sons Eric and Evan Nord founded Nordson in 1954 as subsidiary of U.S. Automatic
- Initial product is airless spray equipment.
- By 1960s, company develops thermoplastic adhesives application equipment
- International Expansion
  - Europe 1966
  - Latin America 1968
  - Asia Pacific 1969
- Company continues to grow through globalization and acquisition to present day



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# Philosophy and Culture

- *“Nordson strives to be a vital, self-renewing worldwide organization which, within the framework of ethical behavior and enlightened citizenship, grows and produces wealth for our customers, employees, shareholders and communities.”*

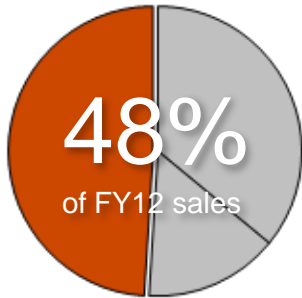
Eric Nord, co-founder

- Corporate Values: Integrity, Respect for People, Customer Passion, Energy, Excellence
- 5% of pre-tax U.S. earnings to charitable endeavors
- Time ‘n Talent Employee Volunteering



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# Adhesive Dispensing Systems



Melting, filtering, pumping, transporting and deposition of adhesives, plastics and other materials in the manufacturing of a wide range of goods.

## Growth Drivers

- Income growth in emerging markets
- Increased use of disposable hygiene products
- Increased use of processed/ convenience foods
- Increased use of lightweight plastics
- Productivity investments
- Material, machinery and process innovations

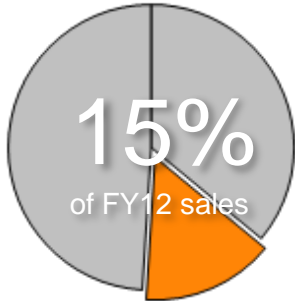
## End Markets

- Food and beverage packaging
- Nonwovens / disposable hygiene
- Furniture and building products
- Paper converting
- Macro electronics
- General industrial assembly
- Alternative energy
- Medical devices
- Labeling
- Transportation



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# Industrial Coating Systems



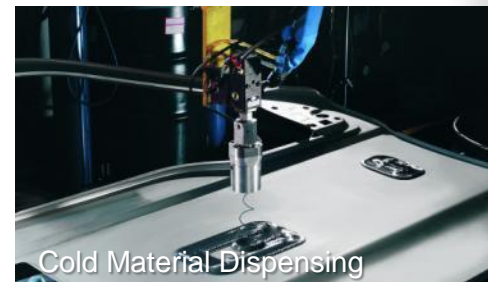
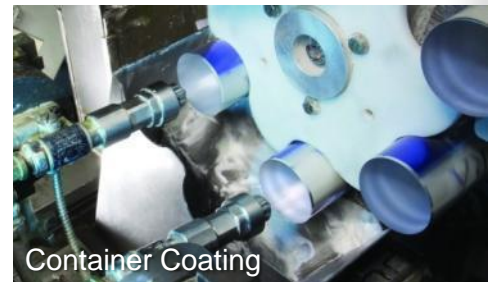
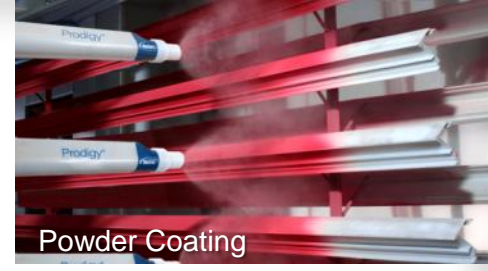
Precision equipment and systems to apply and cure paints, sealants, coatings, cold materials and other materials to a wide range of products

## Growth Drivers

- Growth in emerging markets
- Environmental advantages of powder coatings
- Productivity investments
- Lean manufacturing
- Quick color change

## End Markets

- Appliances
- Lawn and garden
- Metal container inside coating
- Automobile sealing & bonding
- Cold material dispensing
- Pipe coating and construction
- Woodworking
- General industrial
- Electronics / UV curing

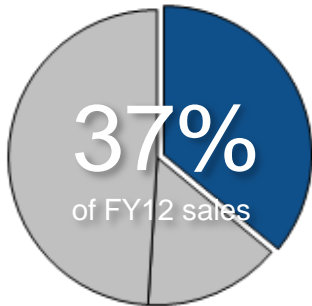


Includes industry leading brand: Sealant Equipment & Engineering



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# Advanced Technology Systems



Precision dispensing, fluid management, test, inspection and surface treatment products for electronics, medical and general industrial markets

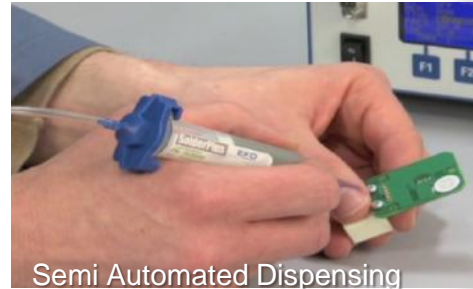
## Growth Drivers

- Mobile computing trend
- Device convergence / migration to flip chips
- Circuit shrinkage / new architectures
- New consumers in emerging markets
- Medical needs driven by aging population
- Alternative energy high volume manufacturing

## End Markets

- Semiconductor packaging, testing, inspection, surface prep
- Printed circuit board assembly
- General electronic assembly
- Medical devices and procedures
- General industrial assembly
- Solar
- LED

Includes industry leading brands: Nordson ASYMTEK, Nordson DAGE, Nordson EFD, Nordson MARCH, Nordson MICROMEDICS, Nordson YESTECH, Value Plastics



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# Fluid Management Solutions



## Medical Components

- Precision engineered, plastic molded, single-use fluid connection components used in critical flow control applications.



## Biomaterial Delivery Devices

- Innovative solutions for complex delivery of one or more biomaterials



## Medical Device Assembly

- Precision manual and automated fluid dispensers and disposable components for applying controlled amounts of assembly fluids

# Value Plastics

## Fluid Management Components

- A leading designer and manufacturer of highly engineered fluid connection components, check valves, stopcocks, and quick connects
  - High technology, precision plastic molding
  - High-value-add, consumables
  - Customer base is leading medical device equipment manufacturers
- 
- **Major applications:**
    - General insufflations, irrigation and aspiration sets.
    - Cardiovascular surgery
    - Blood management
    - Ophthalmic/cataract surgery
    - Anesthesia procedures
    - Bio-Pharmaceutical
    - Industrial

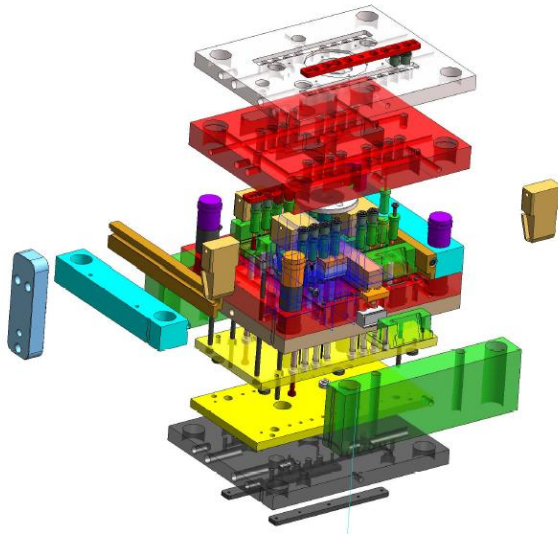


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# Mold Design Capability

➤ We design, build and repair our molds in a state-of-the-art tool room.

o High speed machining, CNC mills, grinders, lathes, and wire and sinker EDM



➤ Production molds stored in an environmentally controlled vault

➤ Mold history is tracked via our ERP system



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# Injection Molding

- Electric Cincinnati Milacron molding presses, supported by an automated central material handling system
- Manufacturing process can operate around the clock
- Injection molding processes and secondary operations operate in an environment designed to meet Class 100,000 clean room requirements



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# Inventory Control / Product Distribution

- All products are stored in sealed / bar coded tubs and placed in bar coded locations
- The ERP system generates a pick list with product location and quantity, then generates fill activity



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# Thank You



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