



# Vibratory Box Feeder System

*Mobile electric unit pumps powder directly from shipping containers with a simple flip of the switch.*

The improved patented Nordson mobile vibratory box feeder system features an electric vibratory motor that minimizes noise levels typical of pneumatic vibratory motor systems and delivers better overall control and performance. The electric unit is easy to operate, requiring no setting or adjustment of air pressures. A simple flip of the switch readies the system for operation.

The angled box cradle is designed to pump out virtually all powder from the box, eliminating waste and the need to pour remaining powder from one box into another. An innovative fluidizing-assist feature ensures that the small amount of air used in the system is drawn back up with the powder in the inner pick-up tube, preventing powder from drifting out of the box. The Nordson system provides a cleaner, healthier operating environment by limiting operator exposure to powder and preventing unnecessary airborne powder in the workplace.

The Nordson box feeder system is ideal for all coating operations, especially those requiring frequent color changes, and can be used with cartons from 25- to 55-pound (11- to 25-kg) capacity. It is designed for use with all Nordson spray gun and control units.



*(above) The Nordson box feeder system pumps powder directly from shipping containers for faster replacement or color change.*

*(inset) The stand-alone configuration can be used with a wall- or booth-mounted gun and control, or as a bulk transfer system to a larger delivery hopper.*



## Innovative “Fluidizing-assist” Design

Nordson’s innovative fluidizing-assist design features a small porous disc at the bottom of the outer pick-up tube that passes just enough air to provide local fluidization. The small amount of air used in the system is drawn up the inner pick-up tube with the powder, preventing powder from drifting out of the box as seen with conventional fluidizing-assist designs used in other conventional box feeder systems.



*Powder is fluidized as air passes through a small porous disc at the bottom of the outer pick-up tube.*

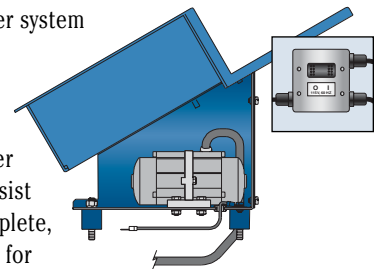
## Durable, Rugged Construction

The Nordson box feeder dolly is extremely well-balanced for excellent mobility and ease of use. Rugged tubular construction delivers long service life and provides a sturdy angled box cradle design that pumps virtually all powder out of the box to minimize waste. And the large rubber wheels easily maneuver over irregular floor surfaces and steps.

## Upgrade Kits Available

An electric vibratory box feeder upgrade kit easily retrofits older, pneumatic systems. The kit includes one complete vibratory cradle assembly with electric motor and switch box. Once the old pneumatic cradle assembly is removed from the existing dolly system, it is replaced with the new electric cradle assembly. When the switch box is attached to the dolly, the “new” box feeder system is ready to use.

A fluidizing-assist upgrade kit is also available to adapt an original Nordson box feeder system without a fluidizing-assist version pick-up tube to a complete, up-to-date box feeder system for maximum performance.

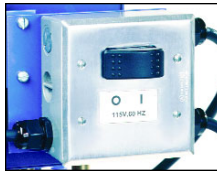


*Vibratory cradle assembly upgrade kit with electric motor and switch box.*

## Vibratory Box Feeder System

### Other Features and Benefits

- **Simple on/off switch.** The system is engaged by simply turning the vibratory motor switch on. Simply turn off during breaks in production.
- **Economical operation.** The system uses less air than a fully pneumatic system, and low electrical power to operate, for better overall operating efficiencies.
- **Angled vibratory platform empties box completely.** Powder is directed to the bottom corner of the box, where the pick-up tube is located. Flat-platform feeders can leave as much as 25 percent of the powder in the carton, which must be manually dumped into the next carton.
- **Fast and easy color change.** Simple blowing out of the powder pump, pick-up tube, powder feed tubing and gun with compressed air readies the system for the next color to be used.
- **Convenient mobile design.** The Nordson box feeder system makes it easy to transport powder shipping cartons from storage to the application site. And the large rubber wheels easily maneuver over irregular floor surfaces and steps.
- **Shipped as a complete unit.** The system comes complete with powder pump, pick-up tube and control for the electric vibrator.
- **Available with a gun and control, or as a stand-alone unit.** A complete system is available with a Nordson gun and control unit. It can also be purchased as a stand-alone configuration for use with a wall- or booth-mounted gun and control, or as a bulk transfer system to a larger delivery hopper.
- **FM, CSA and CE approved.** Approvals of the feeder box system assure improved operating safety.



### Specifications

#### Electrical power consumption

##### Two versions:

115V, 60 Hz, nominal current .23 Amps

220V, 50 Hz, nominal current .1 Amps

*Must specify by system part number or configuration code when ordering.*



*Stand-alone configuration of vibratory box feeder system.*



Nordson reserves the right to make design changes to products 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.*

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