

Encore® HD

Manual Powder Coating System

Achieve savings on your powder line with precision process control.

The Encore HD Manual Powder Spray System is our fourth generation high density, low velocity (HDLV) spray technology. Designed for superior process control, you can achieve a highly dense phase spray, a more diluted mixture...or anything in between. HDLV technology delivers a high concentration of powder, but using very little air. As a result, you get greater transfer efficiency, less overspray and superior cured finish quality for every conceivable part type. The latest system is configured in many ways to meet everyday application demands.

- **Mobile**
Hopper and VBF
- **Standalone**
Single and Dual
- **Wall Mount**
- **Rail Mount**



The Application



The Spray Gun

- Lightweight, well-balanced spray gun to make the painter's job easier.
- Powder deposition at speeds nearly double that of venturi systems
- Superior edge and corner coverage with one pass
- Higher transfer efficiency
- On-gun controls for fast, easy adjustments
- Uniform spray patterns with all powders, even the most challenging materials
- Highly durable lance extensions for fast color-change environments
- 100kV multiplier delivering maximum first pass transfer efficiency



The Nozzles

- Common Encore nozzle family lowers cost of ownership
- Designed to resist wear and impact fusion



- Variety of nozzles offerings accommodates numerous applications
 - Large surfaces
 - Intricate parts
 - Deep recesses
 - Bottom and top surfaces

The Controller

- Closed loop digital flow control for consistent, repeatable output
- Patented AFC control for the highest finish quality
- NFC allows small incremental adjustments under 10 microamps and independent kV control to achieve a smooth finish, even using the most challenging powder materials
- 20 available preset modes to make operation easier
- Customized control programs to adjust to any application need



The Pump

- Built to deliver up to 750 grams per minute
- Developed to perform 10 million cycles without maintenance



- Repeatable performance after continuous duty
- Patented clear housing provides visibility to valves during operation
- Distributes more powder, using less air
- Designed for automated color changing

The System

Introducing the first commercially available HDLV mobile system designed to feed from a box. HDLV is now easily mobile and configured to accommodate box fed and 50 lb hopper fed applications. Each system is specialized with a unique pick up tube engineered for superior fluidization and easy cleaning.

The new Encore HD manual system configurations also include standalone and wall/rail mount systems to complement several types of applications.



Specifications

Encore HD Manual Gun	
Height	25.4 cm (10.00 in.)
Length	33.8 cm (13.30 in.)
Weight	530 gm (18.70 oz.)
Pump	
Output (Max)	750 g/min (1.65 lbs/min)
Minimum Operating Air Pressure	5.8 bar (85 psi)
Total Air Consumption	85 l/min (3 cfm)
Color Change Air Consumption	283 l/min (10 cfm)

Further enhance your operation using Encore HD Color-On-Demand for multiple color change applications. For more information, please contact your local Nordson Representative.

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

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