

Nordson Excel PE Enamel Powder Paint Booth

Powder Coating Type: Inorganic

Design Conveyor Speed: 30 FPM

Conveyor System Type: Monorail

Parts Coated: Enamel on Flatware

Coating Thickness Desired: 5 – 9 mils Average on Selected Surfaces

Largest Part Size: 2'6" W x 6'2" H

Profile End Opening: 3'6" W x 7'2" H

Number of Reclaimed / Recycling Powders: 3

Number of Powders: 3

Encore LT P.E. Manual Gun Rail Mount System

- 2** - *Encore LT P.E. Rail Mount System*
- 2** - *150mm Lance Extension*
- 1** - *Lot, Ceramic Nozzles*

STURDY OPERATOR PLAFORM, 3'-0" wide x 3'-0" long is constructed of welded, heavy-gauge steel with safety rails.

- 2** - *Fixed Platforms*

Smart Coat Control System

- * Allen Bradley Panelview Plus 15" with Pedestal
- * Thirty dual iFlow closed-loop mass flow meters (accuracy +/- <1%)
- * Thirty dual gun driver cards

- 60** - *Encore P.E. Guns, Mounts, Cables*

Oscillator and Gun Positioning Equipment

- * Oscillator with a maximum stroke length of 24 inches
- * Cam and eccentric design for long life and smooth operation
- * Gun positioning for constant gun-to-part distance control
- 4** - *Vertical Oscillators*
- 4** - *VFD Powerflex with Ethernet for Oscillators*
- 4** - *36" Kevlar Belt Driven In/Out Positioner Base DC Drive*
- 2** - *Heavy Duty Fixed Gun Stand*
- 2** - *36" Kevlar Belt Driven In/Out Positioner Base DC drive*

Poly Plus Canopy

- * *Twelve (12) automatic gun slots, 100mm wide x 2336mm high*

- * *Two (2) manual spray gun openings, 760mm wide x 1830mm high with upper and lower doors*
- * *Eight (8) four tube fluorescent fixtures- T5 lamps*

Excel P.E. Booth Base Assembly

15,000 CFM Fan Assembly

*30 HP, 95.3% efficient belt driven fan with loss of phase protection

*Noise abatement design high flow exhaust fan

- 1 - Excel 2003 Fan Assembly(s)*
- 1 - Level Sensor(s)*
- 9 - Final filters no tools required for final filter removal. Filters are 95% efficient at .30 microns*

Reclaim Cartridge Module Features:

- 1 - Powder Coated Collector Module*
- 30 - 36" PowderGrid[®] Plus Cartridges*
- 4 - HDLV High-Capacity pump stations*
- 1 - Backup HDLV Pump stand*

Powder Supply Equipment for 34 guns:

- 62 - P.E. Pumps*
- 2400- Tubing, Polyurethane, High-Flow*
- 1 - Model HTM-36 350# Capacity Hopper(s)*
- 1 - Direct Vent(s)*
- 1 - Container for Rejected Powder*
- 2 - Tube, Pickup, W/Pump Adapter, Pkg*
- 1 - Endress Hauser Level Control*
- 1 - Fluidized Bed Heater*
- 6 - Hose Supports*
- 1 - Magnetic Separator*
- 2 - Pump Adapter*
- 1 - Rotary Airlock*
- 1 - AZO 650 Sieve*
- 1 - Rotary Airlock*
- 1- Stainless Steel Accumulator*

Satellite Feed Hopper

- 1 - Model HTM-36 350# Capacity Hoppers
- 1 - Direct Vent(s)
- 1 - Level Sensor Mounting Well(s)
- 1 - Fluidized Bed Heater
- 2- HDLV High Capacity Pumps

Tilt Table Bulk Feed System

*Provides cleaner, easier transfer of powder materials directly from 3,000 pound fiber containers to the hopper/feeder in a constant, more efficient operation.

- 1 - Table Assembly
- 3 - HDLV High-Capacity pump stations for Virgin feed
 - * Greater output for higher productivity rates- up to 360lbs per hour
 - * Improved savings in compressed air usage.
 - *Lower powder velocity with less air to propel the powder
- 125'- Tubing, Polyurethane, Transfer

Standard Electro-Pneumatic Control Panel

Automatic Air Flow Control

Part Identification System

- 1 - Parasitic "CAT" Drive
- 1 - Part Identification Stand(s)
- 2 - 42" Vertical Emitter Scanner, 3/4" Resolution
- 2 - 42" Vertical Receiver Scanner, 3/4" Resolution
- 2 - 18" Horizontal Emitter Scanner, 3/4" Resolution
- 2 - 18" Horizontal Receiver Scanner, 3/4" Resolution
- 1 - Incoming part crash avoidance interlock
- 1 - Part entrance door to facilitate color change with conveyor interlock

Enhanced Lean Recipe Selector (LRS)

- * Parts will be measured in three dimensions
- * A recipe number will be assigned to the part based on unique part dimension assigned by Nordson and EHP.