



COMMAND-AIRE

Powder Recovery Systems

S i m p l i c i t y i n M o t i o n™





EIC-8000-16

THE COMMAND-AIRE POWDER RECOVERY SYSTEM

S i m p l i c i t y i n M o t i o n

Command-Aire's unique powder recovery system makes operation easy, application efficient, and keeps maintenance to a minimum—making the entire powder recovery process "simplicity in motion."

At the heart of Command-Aire's design is the simplified powder collection process. Oversprayed powder is directed into multiple cartridge modules, which are strategically placed on each side of the booth, instead of one large collector. This keeps air movement and turbulence to a minimum inside the booth. Slower-moving air improves first pass transfer efficiency, and powder is applied more uniformly to each part.

THE CARTRIDGE MODULE UNIT

Powder recovery is highly efficient in our cartridge module units with reclamation rates up to 98.4 percent.

Each cartridge module unit contains either three or four cartridge filters, which are easily replaced for quick color changes. This gives you the ability to apply and recover new colors for the cost of replacement filter cartridges only, rather than the cost of an entire module.

Filters are automatically, continuously and thoroughly cleaned by jets of high-pressure air, introduced by a solenoid valve in each module. An electronically controlled timer gives you the ability to set on/off times and cleaning pulse lengths best-suited to your application use.

Command-Aire's unique cleaning process extends each filter's life to its maximum, resulting in considerable savings to you.

BOOTH DESCRIPTION

The Command-Aire System is compact and space-saving. Modular design makes it easy to expand your unit as your needs grow. The number of cartridge module units is dictated by the opening sizes and air flow requirement.

Inside the booth, a smooth surface minimize air turbulence and facilitates cleaning. The booth is constructed of stainless steel for easy cleaning. Powder-coated mild steel is also available.

Systems can be configured to use manual or automatic application equipment, or a combination of both.

MAIN EXHAUSTER SYSTEM

The exhauster is the prime air mover that provides optimum ventilation rates throughout the coating booth. The exhauster creates incoming air through booth openings, which keeps powder inside the booth and provides the proper air-to-powder safety ratio.

The exhauster directs departing air into absolute filters, which remove 99.97 (minimum) of the 0.3 microns (.000012") particles and larger. These super-fine filters ensure that clean air entering the booth returns as clean air to the plant.

ELECTRICAL CONTROL PANEL

The electrical control panel houses the step-down transformer, motor starter, main disconnect and indicator lights. It also contains the required connections for various interlocks (exhaust, compressed air, etc.) with the electrostatic system. Wiring is in accordance with the National Electric Code.

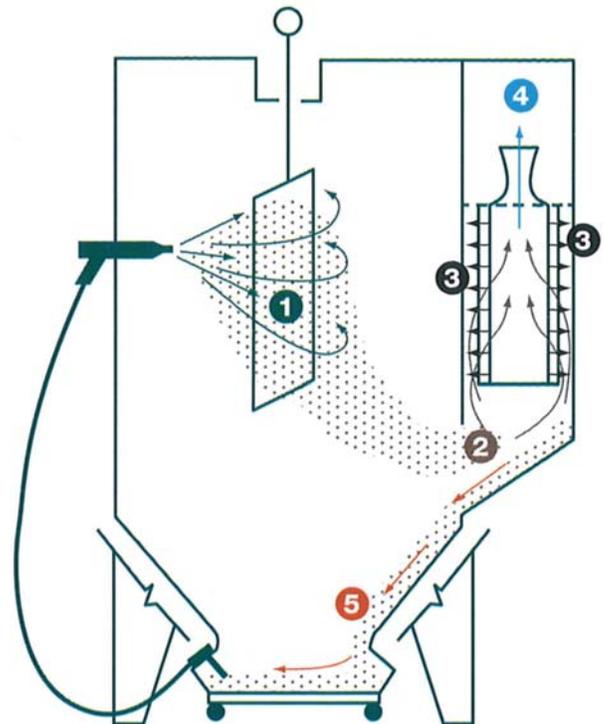
OPTIONAL ACCESSORIES

- **Rotary or Vibratory Sieve System** to recondition powder prior to reapplication by electrostatic guns.
- **Part Recognition System** with automatic gun control.
- **Fluidized Hopper Powder Level Control**
- **Automatic Virgin Powder Replenishment System**

SALES, SERVICE AND TECHNICAL SUPPORT

Our technical sales staff will work closely with you to assure that your system design will best meet your needs.

EIC Group USA is customer-dedicated and service-oriented. Our knowledgeable distributors and service personnel are easily accessible. We stock a complete replacement parts inventory, and in most cases, replacement parts are shipped the same day.



The Command-Aire Powder Application/Recovery Process:

- 1 Powder sprayed from the electrostatic gun flows freely around part, uniformly coating its surface.
- 2 Powder-laden air enters the cartridge module unit where the powder collects on filter cartridge.
- 3 Jets of high pressure air automatically and thoroughly clean cartridge filter.
- 4 Clean air is returned to plant area.
- 5 Powder removed from filter falls into fluidized hopper for reapplication by electrostatic gun(s).

STANDARD BOOTH SIZES *

Model	Nominal Air Flow (CFMs)	# Cartridge Modules	Filters per Module	Conveyor Opening	Operator Opening	Overall Dimensions
EIC-3000-6	3000	2	3	1.6W x 4H ft	2W x 3H ft	10.5W x 9H x 11D ft
EIC-4000-8	4000	2	4	2W x 5H ft	2W x 3H ft	10.5W x 9H x 11D ft
EIC-6000-12	6000	4	3	3W x 5H ft	2W x 3H ft	10.5W x 9.5H x 19D ft
EIC-8000-16	8000	4	4	3W x 6H ft	3W x 4H ft	10.5W x 10H x 27D ft

*Other sizes available to meet any specification.



Total Systems, Total Solutions



www.eicgroupusa.com
Office: 214-477-1344 • Fax: 972-317-6889

