

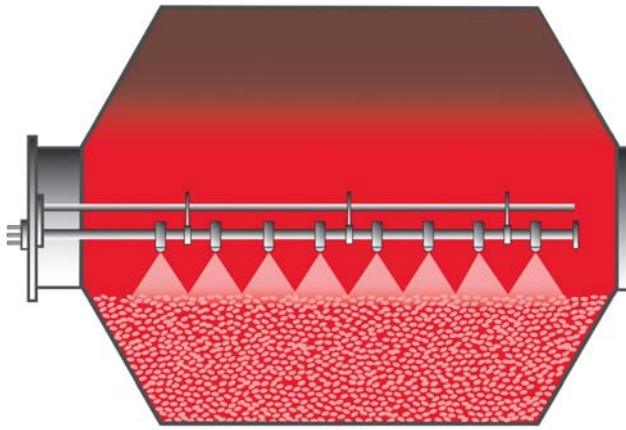
# Hi-Coater Technology



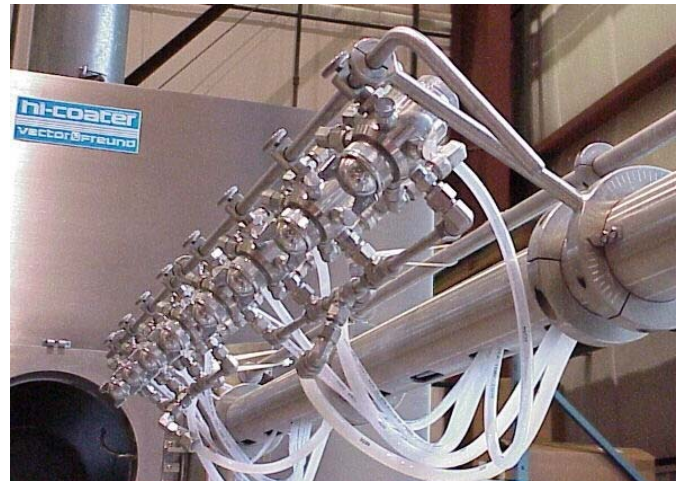
Your Global Equipment and Processing Solution

## “Stretched” Design Provides Shorter Process Times

The most effective method to increase spray rates for any tablet coating process is to increase the number of spray guns within the coating pan. An increased spray zone is accomplished by lengthening the coating pan while maintaining the same diameter. The “Stretched” coating pan can incorporate as many as ten spray guns – doubling the amount of spray guns in a typical batch coating system. The “Stretched” design also minimizes tablet attrition by reducing the tablet bed depth when compared to a similar batch size in a larger pan diameter.



*“Stretched” fully perforated coating pan with an eight gun manifold spray bar.*



*An increased spray zone provides higher total spray rates and shorter processing times.*

## Manifold Spray Bar Provides Cleaning Advantages

Vector's manifold spray bar eliminates the external nozzle air and solution lines on the exterior of the spray bar. Instead, nozzle air and solution is delivered within the interior of the spray bar. Vector's one-gasket design allows for quick assembly of the spray bar. Changing the number of spray guns has never been easier.



*Eight Gun Manifold Spray Bar  
Titanium or stainless steel construction available.*



*Close up view of AT Anti-Bearding Manifold Spray Gun.*

### VECTOR CORPORATION

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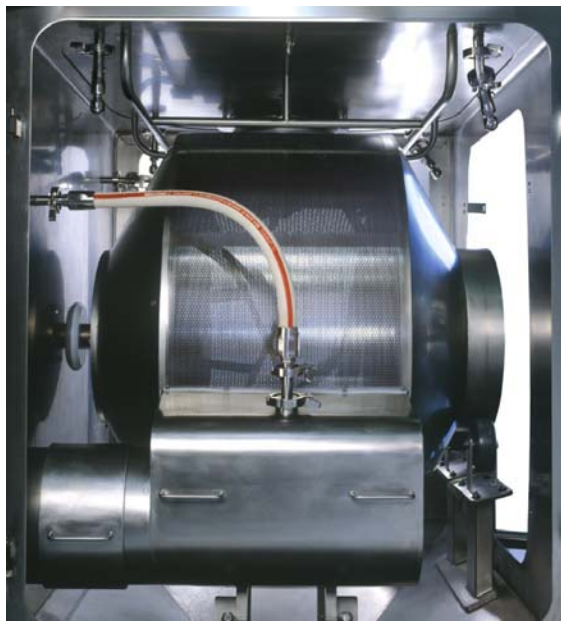
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# Hi-Coater Technology

## Cleanable Design

For fully perforated pans, the pan cabinet is fully welded. This allows the lower cabinet to be filled with water, allowing the bottom of the pan to soak and rotate in cleaning solution. Further, this eliminates seals and/or gaskets around the cabinet that require additional cleaning or inspection.



*VHC-48 designed for CIP Construction*

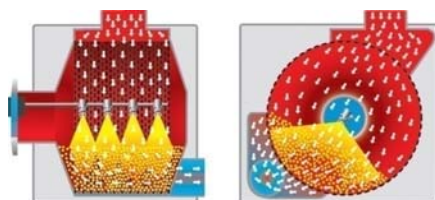
## Anti-Marking Pans

Every coating pan is manufactured with a high-buff mirror polish, anti-slide baffles and slotted perforations. Slotted perforations have been proven to reduce tablet attrition when compared to standard round perforations.



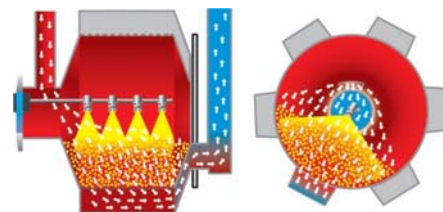
*Interior of VHC-66L 1000L Coating Pan  
Showing mixing baffles, anti-slide baffles,  
and slotted perforations*

## Fully Perforated or Integrated Plenum?



*For fully perforated pans, airflow is directed through the pan by an upper inlet duct and an exhaust duct located below the product bed.*

Both fully perforated and integrated plenum pans produce quality coating processes. Fully Perforated Pans are better suited for CIP and potent compound applications. Integrated plenum pans are better suited for solvent coating applications since they operate effectively at lower airflows.



*For integrated plenum pans, airflow enters through the front of the pan and is drawn through the product using the exhaust ducts on the periphery of the pan.*

Providing equipment and processing solutions around the world since 1972, Vector is a subsidiary of Freund Corporation located in Tokyo, Japan. Globally, the Freund/Vector team has thousands of system installations in the pharmaceutical, healthcare, chemical, agricultural, and food industries.

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