

Rotary Crystal Heads



We build advanced equipment, develop layouts, and model processes for precision optical coating systems. We specialize in highly uniform coatings for demanding defense, aerospace, and scientific applications.

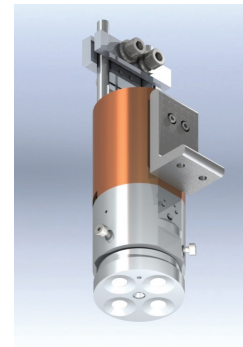
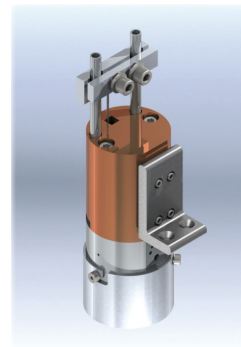
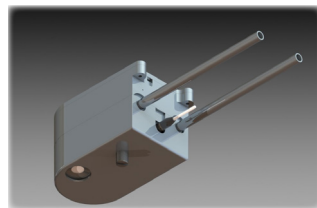
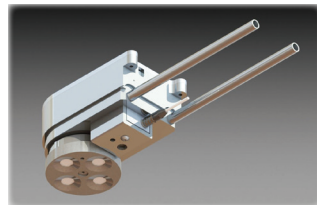
Talk to us today regarding an estimate for a Custom Coating System specific to your needs!

(585) 298-9579

Vacuum Innovations' Rotary Crystal Heads are engineered for reliable operation throughout the optical coating process within your chamber. Our design has a four-position head that provides accurate and dependable monitoring of your thin-film deposition. Additional units can be used for multi-point monitoring, further improving the degree of control and limit concerns about crystal measurements. Vertical heads are designed to mount in the center of the chamber, while horizontal heads mount under stationery uniformity masks.

Maintenance is easy too. The crystals can be changed without any tools, and covers can be easily removed and bead blasted.

Better Engineering. Better Performance. Better Results.



Horizontal (left) and Vertical (right) Crystal Heads

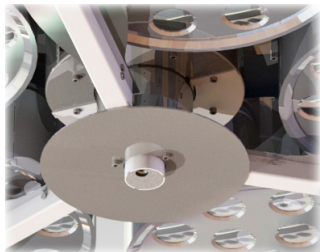
Advanced Design Features & Benefits

- Compact design makes it easy to install and maintain; our horizontal heads fit under a uniformity mask
- Designed to integrate with standard deposition controllers
- High-flow water cooling stabilizes crystal temperature
- Positive-feedback position indicator ensures the crystal stops at the same place every time
- In-vacuum motor, so system integration is independent of feedthrough positions
- Secure snapping retainers
- Additional heads can be used for multi-point monitoring
- Both vertical and horizontal designs adapt to available chamber space

Looking for Better Engineered Optical Coating Products?

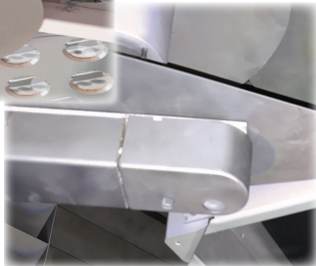
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Crystal Heads - Vertical or Horizontal Design



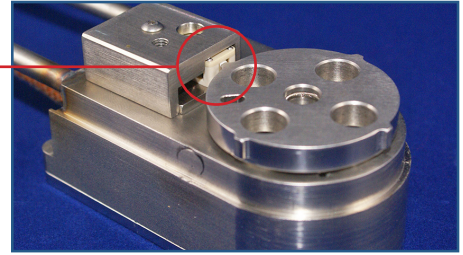
Horizontal Head mounted beneath a Uniformity Mask (below)

Vertical Head mounted in chamber center (above)



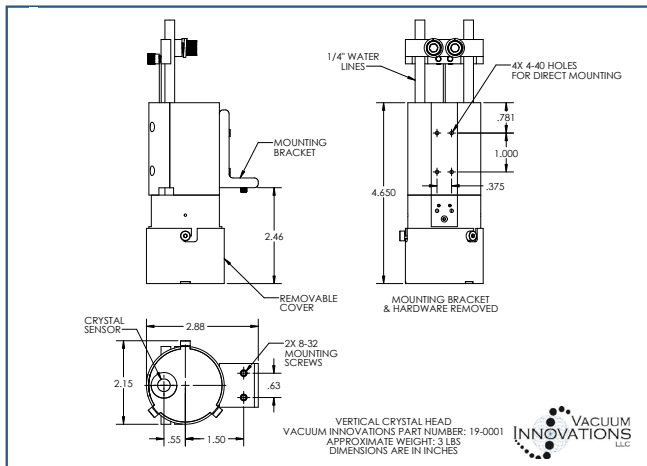
Reliable Operation

Positive-feedback position sensor stops the crystal rotation in the same place, every time.



Compact Design and Easy Maintenance

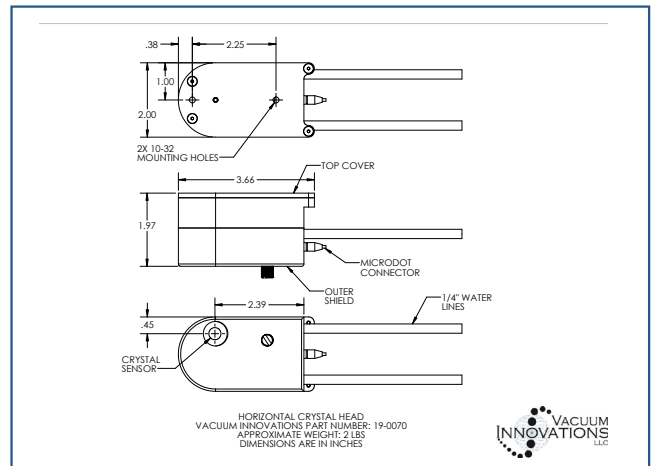
Change crystals without tools, securely snapping retainers into place.



Vertical Head Specifications:

Size: 2.8 in. x 6.4 in. | Weight: 3 lbs.

Part #: 19-0001



Horizontal Head Specifications:

Size: 2 in. x 3 in. | Weight: 2 lbs.

Part #: 19-0070

More Products from Vacuum Innovations:

Design & Manufacture of Custom Systems • Planetary Rotations
Quartz Heaters • Source Shutters • Resistance Sources
Right Angle Drives • Consulting • Coating Classes



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