

VAC 870™

Compartment Coating System



VAC 870™

Flexibility ... Flexibility ... Flexibility

FEATURES

- Universal compartment design with identical internals; the fundamental building blocks for systems configuration – now and in the future
- Pump choice – turbo pump or diffusion pump or both
- Interchangeable sources – planar or C-MAG® source
- Modular maintenance package for ease of maintenance and fast turn-around time

VAC 870™ COMPARTMENT COATING SYSTEM

The fundamental building block of the VAC 870™ Compartment Coating System is the universal process chamber, each with six identical compartments. This new design provides all the flexibility you expect and more!

Flexibility in...

System Configuration

The innovative design of the VAC 870 begins with the universal compartments that can be configured as a vacuum pumping section for process pumping, a source compartment for sputtering or a spare compartment for future expansion. Gas isolation is achieved by putting two pump compartments side by side.

The universal compartments of the VAC 870 are identical in design and allow the customer to interchange pump and source compartments at any time. This allows the customer to reconfigure the system to best meet specific coating requirements.

Turbo Pump or Diffusion Pump

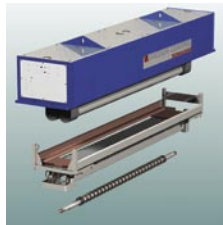
The new VAC 870 Compartment Coating System is the only system in the industry that offers the option of using turbo pumps, diffusion pumps or a combination of both. With the VAC 870, the customer is in control of the final system design.

Maintenance Package

The innovative engineering of the VAC 870 compartment design optimizes the interior spacing to balance process and pumping speed as well as utilizing the well-established and proven benefits of VACT's modular maintenance components for ease of maintenance.

These modular maintenance components allow for fast turn-around times during maintenance, which result in minimized down time.

- A one-piece drop-in tub shield is designed for highest heat removal and can be installed with cold plates or hot shields for optimum condensate collection. There are no in-vacuum water seals. The tub shield can be quickly removed, virtually eliminating in-coater maintenance.
- Our new VAC-MAG™ Endblock utilizes the fastest target change feature in the industry with the most reliable vacuum/water seal available today.
- Maintenance valves allow for specific sections of the coater to be vented and pumped back without disrupting the vacuum integrity of the rest of the coater. This capability is ideal for fast target changes or to complete specific maintenance requirements.



The new VAC 870 compartment coater allows for the ultimate in flexibility. The customer determines the best configuration for current requirements and yet has the ability to reconfigure the system at any point in time for future coating developments. Specially designed entry/exit chambers are available to enhance fast cycle time requirements. Integrating the innovative design of the VAC 870's interchangeable compartments with the modular maintenance components assures the new flexible VAC 870 meets the requirements of the next generation coating system.

Technical Data

Substrate Material:	Flat glass (curved glass applications to be defined upon request)
Load size (Nominal):	3.21m (126") x 6.2m (244") 2.54m (100") x 3.66m (144")
Thickness:	1.6mm x 19mm
Minimum Substrate:	300mm x 900mm
Mechanical Cycle Time:	126": from 30 to 120 seconds 100": from 20 to 120 seconds
Utility Requirements:	System specific, dependent on cathode configuration and throughput objectives
Main Connections:	480 VAC, 60 Hz or alternatively 400 VAC, 50 Hz

For more detail information, please contact VACUUM COATING Technologies, Inc. www.vact.com or call our Sales Dept. at +1-707-423-2100. © copyright VACUUM COATING Technologies, Inc. 2004

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