The CAPOS™ series PVD system boasts an industry first with a cost-effective “Open-Platform” architectural design. This means that the CAPOS™ offers many standard configuration options as well as the ability to incorporate custom features as unique as its user. Created for precise R&D and batch production by the design team at Semicore, a Silicon Valley based manufacturer of PVD, vacuum and other custom application equipment. This innovative advancement extends the processing capabilities while generating high levels of performance. It delivers a range of accurate coatings for a variety of materials and substrates used by electronic, optical, solar energy, medical, automotive, military, aerospace and related “high-tech” industries.
CAPOS™ Evaporation Features & Options

**Process Chamber:** Stainless or aluminum, standard size ranges from 18-28 inch D-shape – scaled to match the specific application.

**Pumping:** Dry rough pump and turbomolecular or cryogenic high vacuum pump.

**Load Lock:** Stainless or aluminum, manual or automatic transfer, rough or high vacuum pumping, single or multiple substrate.

**Glove Box:** Standard or custom designed.

**Process Control:** PC/PLC based process automation with graphical user interface, recipe control, data logging and remote e-support.

**In-Situ Monitoring & Control:** Quartz crystal, optical, residual gas analyzer and other process feedback/control.

**Substrate Fixture:** Single, multiple, or custom substrate fixtures.

**Substrate Holders:** Heated or cooled, etched or biased, rotating or positioned, lift-off or uniformity domes.

**Ion Source:** Substrate pre-clean, assisted deposition, nanometer-scale modification of surfaces.

**Deposition Sources:** Electron beam gun, thermal filament

**ABOUT US**
Semicore is a solution provider. From standard models to custom designed equipment based on unique requirements to engineering services and support. Bring us your needs and ideas, conventional or otherwise. We welcome the opportunity to help convert your goals into reality whether you have defined specifications or not. We will evaluate your need using our engineering expertise at no cost to you. With sales and service centers strategically located throughout the globe, we are ready to serve our customers. Sometimes Semicore does not have a direct solution. If so, we will let you know that too... then help you find it. Contact Semicore now for more information.