

# PVD Products Evaporation Systems



Shown above is a UHV evaporation system with dual e-beam sources, each with four-pockets. Includes an end hall ion source, a 3" diameter magnetron sputter source, load-load lock, and 900°C substrate heater for 3-inch diameter substrates.

PVD Products provides electron beam and thermal evaporation systems to meet the customer's thin film requirements. We use only high quality system components to provide the customer with a very reliable product. Substrate planetary or rotation stages can include heating to temperatures in excess of 950°C depending on substrate size and materials. Ion sources for IBAD and substrate pre-cleaning can readily be integrated into our systems.

All of our evaporation systems come with complete pumping stations, electro-pneumatic valves, all vacuum

gauges, power distribution box, electronic racks, water and air manifolds, safety interlocks, etc. Systems can be operated manually or via PLC or computer control. Substrate heaters and manipulators can be designed for non-standard substrate shapes and sizes. Applications include basic materials research, SAW devices; Silicon and GaAs wafer metalization, MEMS or display technology, etc. Many system options are available including a wide range of electron beam and thermal sources, power supplies, integration of ion beam or sputter sources, RGA's, UHV capability, and load locks, etc.



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**Shown above is a basic box style evaporation system with a single multi pocket electron beam gun with full PLC control. This system was designed to coat the ends of 128 fibers in one run.**

PVD Products will build an evaporation system to meet your specific deposition requirements. Please contact PVD with your system specifications for a quotation.

PVD Products has delivered evaporation systems worldwide and is well known for its quality products and strong customer support long after the product has been delivered.



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