



**Vac Flow/Plasma | Temperature | Flow | Metrology
Components | Systems | Equipment | Support**



True film process power supplies, RF magnetics, RF/DC 400W-4000W with matching sensors for "Sensors" non-contact temperature measurement instrumentation as well as power controllers, heat, upgrade and retrofit/repair solutions



Vacuum flanges, fittings and accessories, vacuum isolation systems, vacuum chambers and workstations, backthroughs, exhaust traps and filters



Refracturing valves up to 2400 standard, larger sizes available upon request



"Direct" optical surface profilers, "Contact" optical surface profilers, Round Trip Microscopy, Tribology Instruments



Smart® Perfluoropolyether coatings and seals for plasma, wet chemistry and high temperature applications, including bonded doors and custom shapes



RF & RF magnetics power sources featuring high target utilization
Sensu™ remote operation systems
Smart Ion sources for surface conditioning / cleaning



Scientific grade HPLC
Advanced gas and energy analysis systems for applications including VHS Flow/Plasma, SEM & SIMS, Catalysis, Thermal Reaction



High vacuum gate valves



Dry Vacuum Pumps family series up to 140 CFM variable air cooled pumps with 24 years maintenance free operation, R2 Series medium duty and R3 Series heavy duty pumps range from 250 CFM to 150000 CFM



Wet etchant and RF plasma surface treatment and etching systems
Aspects include etching/implant sputter systems
Wells, ion implant dose, and surface analysis wave metrology tools



True vacuum vacuum gauge tubes, gauges and controllers, True wide range vacuum gauges, ion gauges, Mass flow meters and controllers



3 Beam source & power supplies, heating, deposition rate controllers, electron guns, ions & upgrades, full feature beam systems and ion current monitors, TYP water vapor controllers, WetFlow Plasma emission monitors



Temperature control solutions for semiconductor and high vacuum applications, specializing in gas engine and gas fire heating, integrated multi-function controllers and power switching devices, leak controllers, data loggers