

Valley Design Corp.

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Valley Design Corp.

Since 1975 Valley Design Corp. has been an industry leader in advanced materials processing, as providers of precision lapping, polishing, dicing, grinding and other precision machining services including slicing, backgrinding, wafer and die thinning, optical edge/angle polishing and ultrasonic hole drilling. With the purchase of several pieces of new equipment, Valley now offers 4 axis CNC micromachining and high volume dicing capacity. Valley is an ISO 9001:2008 certified manufacturer of substrates, windows, wafers, discs, precision shims, spacers and washers, color glass filters and other flat optical components.

Special capabilities: ultra-thin (<25um), ultra-flat (1/10 wave), superpolishing (<5 Angstroms), tight tolerances ($\pm 0.5\mu\text{m}$), parallelism to 0.25um, TTV < 1um, dicing as small as 0.127mm sq, large geometry lapping and polishing up to 1219mm. Optical and semiconductor materials processed: Fused Silica, Quartz, Glass, Pyrex, Sapphire, 96% Alumina, 99.6% Alumina, Aluminum Nitride, Ceramics, Crystals, Silicon, Stainless Steel, Aluminum, Molybdenum, Germanium and many others. Many materials are in stock from our extensive inventory. Products: Standard and custom sized substrates, windows, wafers, discs and flat optics of various materials, large geometry ceramics, precision shims and spacers, witness samples, SEMI

standard dummy wafers up to 450mm diameter, standard and custom color glass filters, wafer and vacuum chucks, lenses and filters, prisms and wedges, large metal mirrors, lapping and polishing of valve and seal components. Applications and Industries served: Microelectronics, electro optics, photonics, semiconductor, MEMS, nanotechnology, thin film circuits, and microfluidics applications for medical, aerospace, test & measurement, communications, defense, petroleum/natural gas/nuclear/steam/vapor industries, R&D and research. Valley operates over 25,000 square feet of manufacturing facilities in Shirley, Massachusetts and is partnered with sales representatives in Germany, France and Sweden for projects taking place in Europe. Customer service representatives are available Monday - Friday from 8:00 EST to 5:00 PST.

