Valley Design Corp.

- 30 Years Experience
- Outstanding Reputation
- ISO 9002 Certified

- High-End
- High Precision
- Lapping, Polishing & Dicing

- Advanced R&D/Metrology Capabilities

- 2 Facilities
- East & West Coasts
- Prototype-Production

- Precision Materials Processing
- Enabling New Technologies

- Expertise with Wide Variety of Materials

- Ultra-Thin Ultra-Flat Superpolishing
- Tight Tolerances

- Manufacturers of Substrates, Wafers, Windows
- Flat Optical Components

- Since 1974
- All Processing Done In-House

- Serving Electro-Optical, Optical, Semiconductor, Medical, Aerospace, Telecommunications & Research Industries

Santa Cruz, CA
831.420.0595
FAX: 0592
Westford, MA
978.692.1971
www.valleydesign.com
Ultra-Thin (12.5µm)  
Ultra-Flat 1/20 Wave)  
Tight Tolerances (+/- .25µm)  
Parallelism (.25µm / TTV <1µm)  
Superpolishing Optical Matl's (1A / <10/5 S/D)  
Optical Edge Face Polishing (Chips < .1µm)  
Ultra-Thin / Ultra-Flat Wafers to 300mm  
Lapping up to 48”  
Dicing as small as .005” sq.

**Services:** Precision Lapping, Polishing, Dicing, Optical Edge/Angle Polishing, Fiber Array Polishing, Individual Die Thinning, O.D./I.D. Grinding and Polishing, Coating, Backgrinding, Wafering, Shaping, Bonded Wafer Thinning, Flat Metals / Hardcoated Polishing

**Products:** Substrates, Windows, Wafers, Flat Optics, Glass Rods/Blocks/Spacers, Waveguides, Beamsplitters, Polarizers, Lenses, Filters, Prisms, Wedges, Solar Cells, Witness Samples, SEMI Standard Dummy Wafers

**Materials:** Fused Silica, Quartz, Glass, SiC, Sapphire, Silicon, LiNbO₃, Crystals, GaAs, Ge, InP, ZnSe, AlN, 96% / 99.6% Aluminas, Ceramics, PZT, PLZT, BK7, B270, 7070, 1737, Polarcor, etc.

**Applications:** Photonic and Optical Devices, DWDM Filters, MEMS and Nano-Optical Devices, Capacitors, High Power Semiconductor Products, Thin Film Circuits, X-Ray Technology, Laser Optics, Optical Storage Products, Aerospace / Satellite Products, Sensors