

Ultra-Thin
Ultra-Flat
Superpolishing
Tight Tolerances

Manufacturers of
Substrates, Wafers
Windows

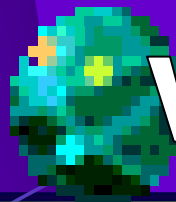
Flat Optical Components

30 Years Experience
Outstanding Reputation
ISO 9002 Certified

High-End
High Precision
Lapping, Polishing
& Dicing

Precision Materials Processing
Enabling New Technologies

2 Facilities
East & West Coasts
Prototype-Production



Valley Design Corp.

Expertise with Wide
Variety of Materials

Advanced R&D/
Metrology
Capabilities

Since 1974
All Processing Done
In-House

Santa Cruz, CA

831.420.0595

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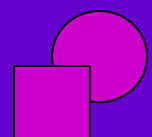
Westford, MA

978.692.1971

www.valleydesign.com

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

valley
design
corp.



Ultra-Thin (12.5um)
Ultra-Flat 1/20 Wave)
Tight Tolerances (+/- .25um)
Parallelism (.25um / TTV <1um)
Superpolishing Optical Mat'l's (1A / <10/5 S/D)
Optical Edge Face Polishing (Chips <.1um)
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