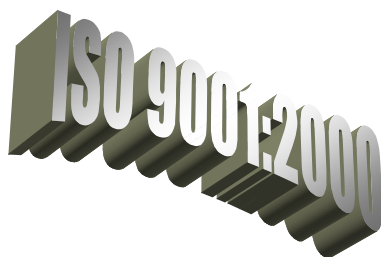


valley  
design  
corp.

***Since 1975, the industry leader in precision lapping and polishing of materials for microelectronics, electro-optics, photonics, semiconductors and other applications that require general precision parts from geometries ranging from a few millimeters to several feet in dimension***

**Sales & Customer Service**

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Santa Cruz, California 95060  
Phone: 831.420.0595  
Fax: 831.420.0592  
west@valleydesign.com



**Headquarters**

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Shirley, Massachusetts 01464  
Phone: 978.425.3030  
Fax: 978.425.3031  
east@valleydesign.com

•ISO 9001:2000 Certified Manufacturer of Substrates, Windows, Wafers, Flat Optics, Chucks and other Components

•High-End, Precision Lapping, Polishing, DISCO Backgrinding, Blanchard and Surface Grinding, CNC Dicing, CMP Polishing, and Ultra-Sonic Hole Drilling

•Over 30 Years Experience, All Processing Performed In-House

•Advanced R&D Lab

Metrology Capabilities

including WYKO Optical

Interferometer and Laser

Profilometer

•Routinely processing parts ranging from .005" square up to 48"

•East and West Coast facilities for prototype to production projects

**Ultra-Thin**

< 25µm

**Ultra-Flat**

1/10 Wave

**Super Polishing**

< 5A

**Tight Tolerances ± 0.5µm**

## Services

Precision Lapping, Polishing, Dicing

Die, Module & Bonded Wafer Thinning / CMP

O.D. / I.D. Polishing

Wafering

Optical Edge/ Angle Polishing

Slicing

Ultra-Sonic Hole Drilling

Large Geometry Lapping & Polishing up to 48"

Dicing as small as .005" sq.

## Materials

Fused Silica & Quartz

Optical Glasses of all types

Aluminum Nitride, 96% & 99.6% Al<sub>2</sub>O<sub>3</sub> Ceramics

Aluminum, Copper Stainless Steel and Titanium mirrors and wafers

Sapphire

Color Filter Glasses

Ge, GaAs, LiNbO<sub>3</sub>, LiF, InP, ZnSe, ZnS, PZT, PLZT, Si, SiC

**MANY MATERIALS IN STOCK**

## Applications

Substrates, Windows, Wafers, Flat Optics

Electrostatic, Wafer and Vacuum Chucks

Glass Rods/ Spacers

Witness Samples

SEMI Standard Dummy Wafers

Waveguides, Beamsplitters, Polarizers, Lenses, Filters, Prisms, Wedges

Thin Film Circuits, Satellite Products, MEMS and Nano-technology Devices

## On-line Stock List

[www.valley](http://www.valleydesign.com/)

[design.com/](http://www.valleydesign.com/)

[stockpage.htm](http://www.valleydesign.com/stockpage.htm)

**With our highly skilled and experienced Engineering and Customer Service teams, you can count on Valley Design to meet your most demanding requirements.**

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