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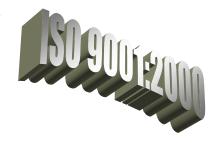
Since 1975, the industry leader in precision lapping and polishing of materials for microelectronics, electro-optics, photonics, semiconductors and other applications that require general precision parts from geometries ranging from a few millimeters to several feet in dimension

Sales & Customer Service

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Headquarters

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- •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 Ultra-Flat Super Polishing

< 25µm 1/10 Wave < 5A

Tight Tolerances $\pm 0.5 \mu m$

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% Al₂O₃ Ceramics

Aluminum, Copper Stainless Steel and Titanium mirrors and wafers

Sapphire

Color Filter Glasses

Ge, GaAs, LiNbO₃, 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 Nanotechnology Devices

On-line Stock List

www.valley

design.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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