

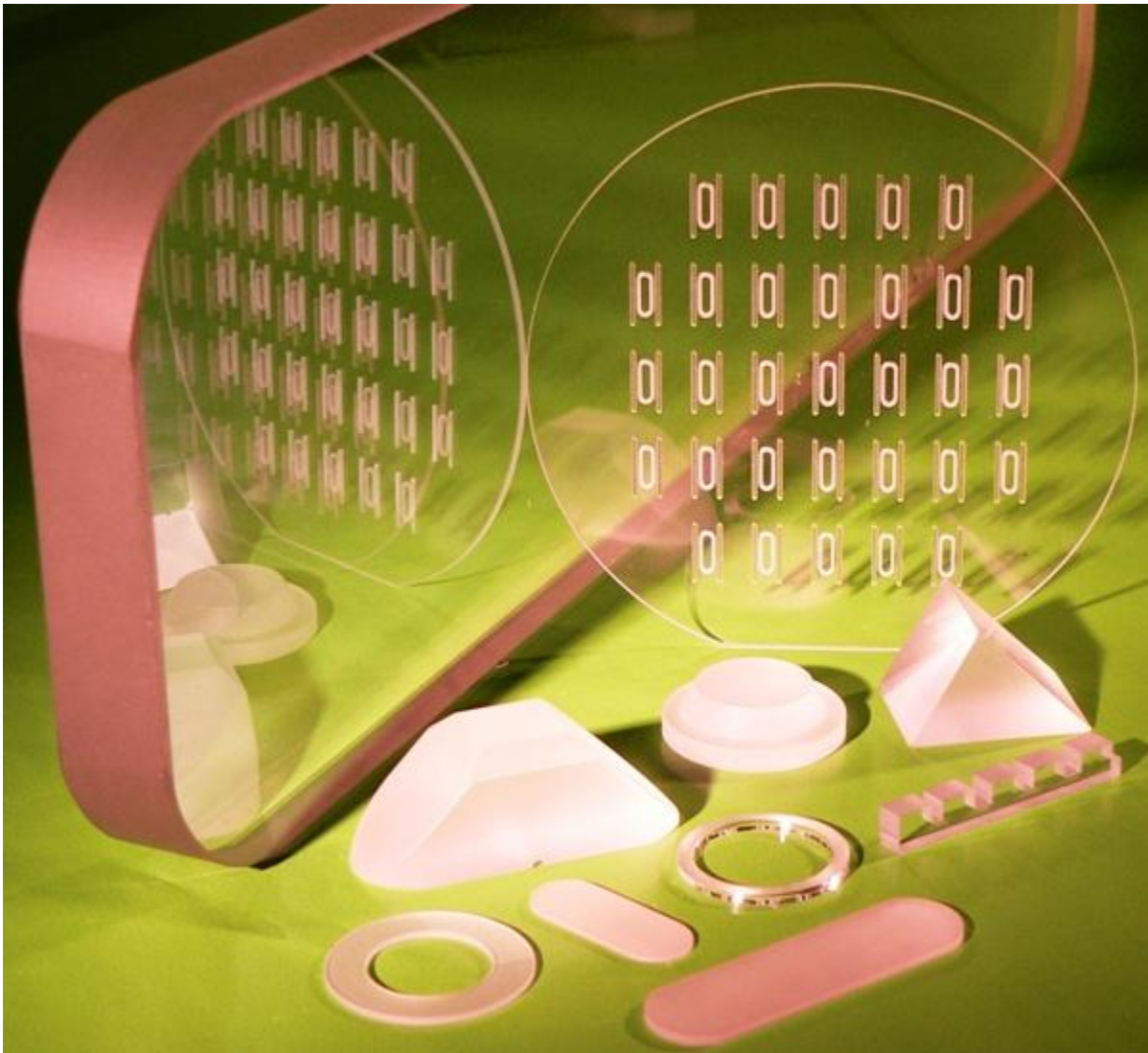


## **TECHNOLOGY NEWS FROM VALLEY DESIGN**

Valley has recently added some exciting new technical capabilities. Click on the links below to learn more.

### [CNC 4 Axis Machining](#)

Valley has added CNC milling to its extensive processing capabilities, and now offers CNC machining on various hard materials including 99.6% and 96% Alumina ceramics, Aluminum Nitride, Fused Silica, Optical Glasses of all types, Sapphire, Silicon, Stainless Steel and others.



## *Black Light Absorbing Coatings*

Valley has partnered with the world's leader in black coatings to offer these light absorbing coatings in the US. We can now offer the blackest black coatings available on the market. These nano-level surface coatings feature high absorptance for UV, VIS and IR transmissions, some greater than 99%. They are available either as a deposited coating using innovative, proprietary vacuum deposition processes or as self-adhesive foils which can be cut to any size to coat your device.



## [450mm Technology](#)

Valley Design manufactures and processes 450mm diameter wafers and chucks, now available in various materials including Ceramics, Silicon, Glass, and Quartz. Valley manufactures SEMI standard dummy wafers in all sizes up to 450mm diameter in standard thicknesses, or thinned to your custom requirements. Valley also offers lapping, polishing, back grinding, hole drilling, edge rounding and other machining services to your provided 450mm diameter wafers. As always, Valley also processes other smaller standard and custom wafers, substrates, and other components.



Come see Valley Design this week July 10-12 at Semicon West in San Francisco! We will be exhibiting in Booth # 2531 and will have a wide variety of samples on display. Technical staff will be available to discuss your specific project requirements. [Click here for more information.](#)