

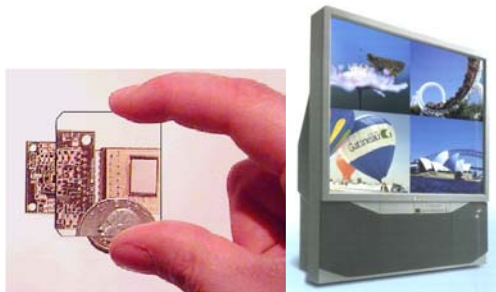
## Custom Designed Microstructured Optical Components

Reflexite uses our core competencies of optical engineering, microreplication, and polymer processing to provide microstructured polymeric optical components for the *Management of Light*<sup>®</sup>.

We design and manufacturer products that include Fresnel lenses, diffractive optical elements, prism arrays, beamsplitters, lenticular arrays, light guides, Moth-eye Antireflective Microstructures, corner cube retroreflectors, lens arrays, surface relief diffusers and focusing screens



We make products that range in size from an optic for a microdisplay application to a Fresnel lens for a rear projection television.

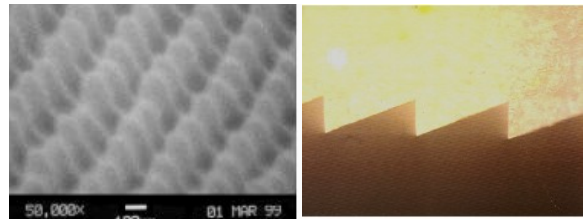


Very Fine Microstructure  
Fresnel Lens

Large Fresnel Lens  
for Rear Projection TV

Reflexite can replicate very fine structures from prototype to high volume applications. We can replicate structures that are as small as nanometer in size to millimeters in size. Below is an example of our Moth-eye Antireflective Microstructure which has cones 300 nm tall and spaces 250 nm apart.

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Reflexite Corporation, Avon, CT, USA.  
Technical Publication RDO-153, Pub. 2001, Rev. 3  
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Moth-Eye Antireflective  
Microstructure

Replicated Facet Geometry

We utilize a number of polymer processing technologies to insure high-fidelity replication.

Reflexite Display Optics is an integrated supplier who provides a system solution from optical design to master tool fabrication to polymer replication and through to finishing. We have a staff of optical engineers who have design expertise in both refractive and diffractive optics. They use some of the latest modeling and testing resources commercially available, as well as some internally developed. We also utilize some of the latest state-of-the-art metrology equipment for verifying our designs and manufacturing processes.

We have the manufacturing capabilities to work with many different materials, including acrylic, polycarbonate, cyclo-olefins, LDPE, HDPE and a range of proprietary chemistries to insure that you receive the appropriate component for your specific application.

We have the capability to do finishing operations that may include coating, trimming, and precision assembly. We can customize parts with special features such as holes, slots, chamfers, or trim to unusual shapes.

With our processes, we can produce a range of production volumes from one-of-a-kind to millions of units or square feet annually.

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