



Dodgen Optical, LLC  
6655 Turkey Hills Dr  
Flagstaff, AZ 86004  
Phone: 928-526-3430  
Email: [docpmo@msn.com](mailto:docpmo@msn.com)  
[www.dodgenoptical.com](http://www.dodgenoptical.com)

## CAPABILITY STATEMENT

### Company Overview

Dodgen Optical, LLC was originally founded in 1964 by David Dodgen (Dodgen Optical Company) and was taken over by Rodney Dodgen in 1987. Rodney Dodgen has been an optical engineer for over 20 years and has had a career in various engineering fields for over 30 years. Rodney, along with the staff of Dodgen Optical, is dedicated to producing precision, high quality first surface mirrors, with a specialty in off-axis parabolic mirrors.

### Capabilities

Among the products provided by Dodgen Optical are custom on- and off-axis parabolic mirrors, aspherics, testing mounts, and high grade amateur telescopes. Dodgen Optical specializes in precision, fast, far off-axis mirrors. All mirrors are custom manufactured to meet the customer's specifications. All non-metal materials can be worked, including Pyrex and low-expansion materials. Off-axis parabolas are manufactured from 1cm to 1.25 meters. All mirrors are interferometrically tested for surface accuracy and performance. Tolerance up to 1/20 wave are achievable and f/#'s as fast as f/1 are routinely made. Scratch-dig is typically 60-40, but can be as low as 20-10. Dodgen Optical also manufactures large elliptical flats (Plano Mirrors) as well as rectangular flats, and specialty windows. Plano mirrors and windows are all custom-made, and range in size from 15 cm to 1 meter.

### Company Highlights

- Multiple awarded contracts for optics used in Weapons System Evaluation
- Cassegrain Telescope Interferometric System for Jet Propulsion Laboratory used at Mt. Palomar Observatory
- Optics used by South Pole Infrared Explorer to photograph Comet Shoemaker-Levy 9 colliding with Jupiter at the Center of Astrophysical Research in Antarctica
- Adaptive Optic Systems for University of Hawaii used in Chile, South America and for the University of Chicago
- Multiple 1 meter light weight optic Telescope Systems for National and International Observatories

### Company Classifications

CAGE: 36YS5

NAICS: 333314, Optical Instrument and Lens Manufacturing

SIC: 3827, PSC: 6650, Optical Instruments and Lenses