Celebrating 29 Years of Operation

To celebrate our 29th anniversary, **Holo/Or** has decided to refute some of the common myths we hear about Diffractive Optical Elements.
We hope this will help reassuring potential customers and provide more information about our unique products.

DOE – Myth and Fact:

"Diffractive Optical Elements affect the polarization"

Myth.

Holo/Or can guarantee that our Diffractive Optical Elements do not affect the polarization of the incoming beam.

"Diffractive Optical Elements can be used with a single wavelength only"

Fact.

The performance of Diffractive Optical Elements is wavelength dependent, therefore optimal performance is achieved by using with a single wavelength.

"You must use a single mode input beam with Diffractive Optical Elements"

Myth.

We have several categories of Diffractive Optical Elements, some are design for a SM laser beam and some are designed for a MM laser beam.

"Diffractive Optical Elements can withstand high power"

Fact.

Our DOE are made of Fused Silica and Zinc Selenide, which are optimal for high power laser systems and have high laser damage threshold. Read more here.

"It is impossible to eliminate zero-order in Diffractive Optical Elements"

Myth.

Holo/Or has improved its capabilities in eliminating and controlling zero-order, and is constantly introducing improved designs.

"Diffractive Optical Elements are higher cost compared to refractive optics."

Myth.

Holo/Or manufactures on large wafers using cutting-edge technology, thus offering attractive prices for volume DOE orders.