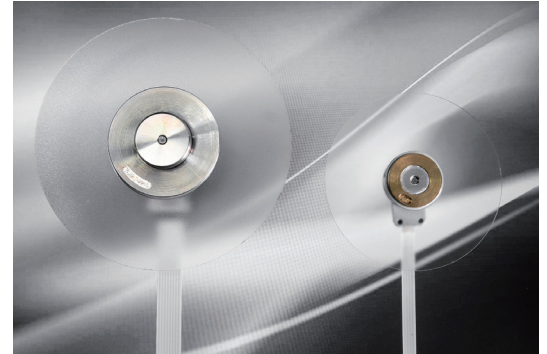


# Diffuser Wheel

## Diffuser Wheel for Projection Display

When you require uniformed the laser power density and reduced the laser speckle, when you require enhanced resolution and high brightness, with very low noise level, our flexible diffuser wheel will meet your laser solid state illumination , RGB laser projection display, laser TV imaging needs. As one of the world's largest manufacturer of color wheels, we have an unmatched heritage in offering a variety of total light management solutions including phosphor wheel, color wheel, dichroic color separation filters, solid and hollow light integrators, high reflectivity folding mirrors, AR-coatings, light engine procurement assembly .



## Benefits

Diffuser Wheel offers a high degree of flexibility and can be customized for:

- Diameter
- Diffusion angle
- Substrate
- Coating type: Antireflective, Reflective or Dichroic filter
- Motor speed
- Integrated with phosphor wheel or color wheel is optional

More experiences at performance and reliability:

- Diffusion uniformity
- Speckle reduction performance
- Transmittance or reflection performance
- High laser power density handling
- Individual precision balancing
- Motor technology
- Excellent lifetime

## Applications

Laser projection display, laser TV, laser solid state illumination, especially high power laser system.

## Technical Data

### Diameter

From 33 to 100 mm (other sizes available)

### Diffusion

Haze: 9% ~ 92% , HWHM: 1° ~ 11°

### Optical Coating

Antireflective, Reflective or Dichroic filter

### Operating Speed

2 × 7200 rpm, 3 × 10,800 rpm, 4 × 14,400 rpm

### Balancing

To better than G6.3 quality grade per ISO 1940 - 1986

### Operating temperature

0°C to 85°C

### Storage temperature

-20°C to 85°C

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Subject to technical change without notices