

The Visotek DL Series Diode Laser is a **cost-effective, turnkey platform** for operating a variety of diodes. The 19" housing includes a fiber coupled diode and power supply/driver electronics. Its microprocessor-controlled cooling system adapts the temperature of the diode to the output power, thus stabilizing the wavelength. Visotek can provide an off-the shelf solution or build a custom system that meets your needs, using diodes with output powers up to 250W. Air cooling is available for modules with output powers up to 75W. Systems with higher output powers are tap water-cooled. The DL series is a versatile low cost alternative to "doing-it-yourself."



## Features

- Turnkey systems that are easily integrated into your production processes
- Fiber coupled output powers up to 250W out of fibers from 50  $\mu\text{m}$ -400  $\mu\text{m}$
- Air or tap water cooled
- Wavelength stabilization
- Long lifetime
- User friendly operation
- Portable, compact
- Reliable, efficient
- Minimal service requirements

## Applications

### Industrial

- Plastics welding
- Soldering
- Thin foil cutting
- Pumping fiber and other solid state lasers

### Medical

- Medical device materials processing
- Laser tissue welding
- Cancer cell heat treatment

DL Series	Low Power	Medium Power	High Power
Output Power (W)	<10	<30	30-250
Fiber Size ( $\mu\text{m}$ )	50-100	200	400
Numerical Aperture	0.22	0.22	0.22
Wavelength	808, 880, 915, 940, 980		
Cooling	Air	Air	Air/Water
Fiber Termination	SMA905	SMA905	SMA905
Operating Voltage	Universal voltage: 110-220 VAC, 50-60 Hz		

