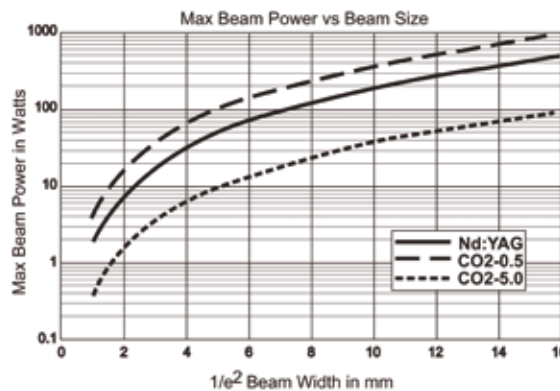


3.8.2 High Power - Laser Profiler Kits for Nd:YAG

- A portable solution for medium power lasers
- Up to 500W Nd:YAG
- Up to 31mm beam widths (16mm 1/e² width)
- Easy operation - level, set and shoot
- Optimize beams in real-time
- Diagnose problems quickly

The LPK-YAG Beam Profiler Kit consist of an A/R coated reflecting wedge, ND filters, beam telescope to reduce larger beams, a CCD (with framegrabber) or Firewire camera, and BeamGage software. The kit is designed to be conveniently placed in a horizontal beam, or under a down directed beam, to measure raw beam characteristics & stability. The user must safely handle the 90 to 98% of the beam that passes through the wedge. A PC style computer is required but not included. See the BeamGage section for software features and calculations. See the camera section for specifications.

LPK-YAG-16



Model	Beam Reduction	Beam Sizes	Wavelength	Type of Attenuator	Camera
LPK-YAG-2.5-FW, LPK-YAG-2.5-USB	1X	0.1 - 2.5mm	1064nm	1% beam splitter + assorted attenuators	Si CCD
LPK-YAG-7-FW, LPK-YAG-7-USB	3X	1.0 - 7.0mm	1064nm	1% beam splitter + assorted attenuators	Si CCD
LPK-YAG-16-FW, LPK-YAG-16-USB	10X	3.0 - 16mm	1064nm	1% beam splitter + assorted attenuators	Si CCD

Ordering Information

Item	Description	P/N
LPK-YAG-2.5-USB	BeamGage software, SP620U camera, LBS-100-YAG beam splitter/attenuator, base plate, miscellaneous hardware. Suitable for beams 0.1 to 2.5mm.*	SP90168
LPK-YAG-7-USB	BeamGage software, SP620U camera, LBS-100-YAG beam splitter/attenuator, 3X telescope, base plate, miscellaneous hardware. Suitable for beams 1.0 to 7mm.*	SP90169
LPK-YAG-16-USB	BeamGage software, SP620U camera, LBS-100-YAG beam splitter/attenuator, 10X telescope, base plate, miscellaneous hardware. Suitable for beams 3.0 to 16mm.*	SP90170

* Maximum beam size assumes zero diffraction from the wings of the beam. Beams of up to 1.5X the maximum size can be applied with minimal diffraction. Beams of up to 2X the above size can be applied, but noticeable diffraction will occur.