

3.2.2.3 Industrial Beam Profiler for Nd:YAG

- A portable solution for high power lasers
- Up to 4KW Nd:YAG
- Up to 30mm 1/e² beam width
- Get real-time “mode burns”
- Reduce scrap
- Increase laser productivity
- Move from laser to laser
- Tune your laser at any power setting

The IBP-YAG is a comprehensive laser beam analysis system based on a CCD camera for CW or pulsed Industrial Nd:YAG lasers for monitoring the all important laser beam profile so as to obtain reproducible laser cutting/welding process results. See the software section for a description of the LBA software features.

Laser Beam In



Components:

- Sampling Head
- Optics
- Camera
- Beam Dump
- Water Cooling Hoses
- Computer Interface Cables
- Case with Leveling Feet
- LBA Beam Profiling Software

Specifications

Model	IBP-YAG-16	IBP-YAG-30
Recommened beam size	4 - 16mm	8 - 30mm
Maximum Power/Energy		
CW		
At maximum beam size	4000W	4000W
At minimum beam size	4000W	4000W
1ms pulse width		
At maximum beam size	55J	200J
At minimum beam size	5J	20J
Q switched 10ns		
At maximum beam size	5J	20J
At minimum beam size	350mJ	1.4J
Damage threshold	100KW/cm ² CW, 5J/cm ² 10ns pulses	
Min useable power	2W at min beam size, 32W at max beam size	
Dimensions, Weight	7.75" x 18" x 11.5" weight 14.5Kg	

Ordering Information

Item	Description	P/N
IPB-YAG-16	Nd:YAG sampler for 1064nm beams up to 4KW, beam width up to 16mm	SP90150
IPB-YAG-30	Nd:YAG sampler for 1064nm beams up to 4KW, beam width up to 30mm	SP90151