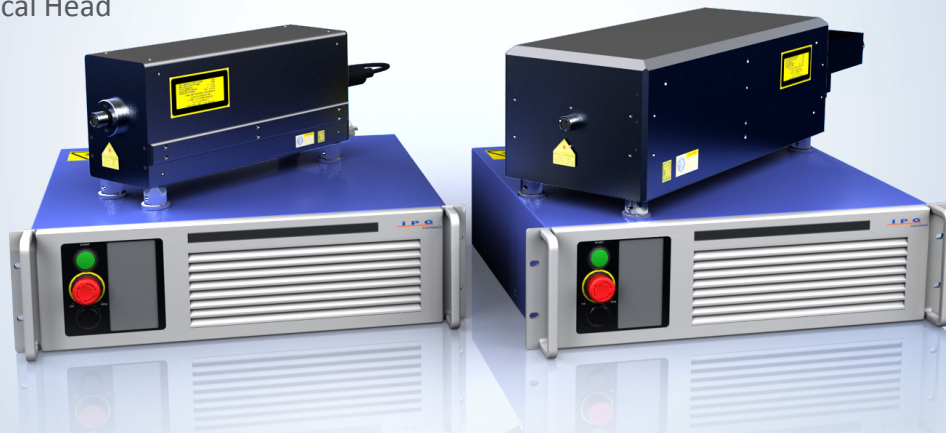


# HLPN-2090 Series

## Ho:YAG Nanosecond Pulsed Lasers

**NEW PRODUCT**

Acousto-optically or Passively Q-switched Optical Head



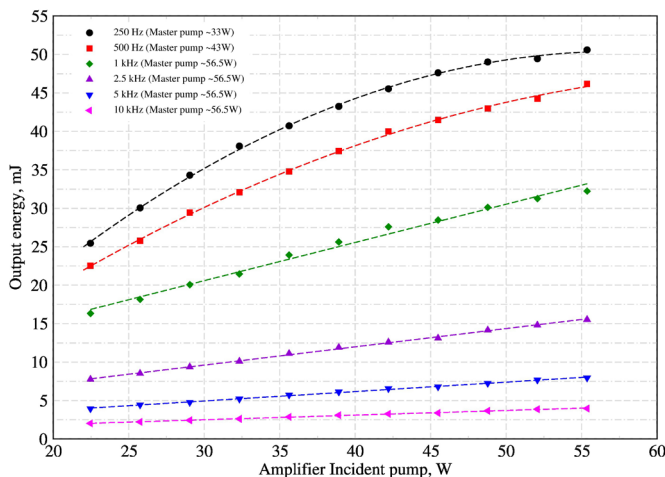
### Applications

- ▶ Plastics Marking
- ▶ Plastics Cutting & Welding
- ▶ Medical Therapy, Surgery
- ▶ Spectroscopy
- ▶ LIDAR
- ▶ OPO Pump Source



### Features

- ▶ Output Power up to 40 W
- ▶ Pulse Energy 1 - 50 mJ
- ▶ Repetition Rate 0.1 - 50 kHz
- ▶ Pulse Duration 10 - 50 ns
- ▶ TEM<sub>00</sub> Beam Mode
- ▶ Flat-top Beam Option
- ▶ Power Amplification Option
- ▶ Single-frequency Option



IPG Photonics' HLPN Holmium:YAG laser provides 10 - 50 nanosecond pulses at 2.09  $\mu\text{m}$  with pulse energies up to 50 mJ and output powers up to 40 W. The acousto-optically or passively q-switched Ho:YAG head is pumped by IPG's efficient and reliable thulium fiber laser. The HLPN 2.09  $\mu\text{m}$  pulsed laser addresses a wide range of materials processing, scientific and medical applications. A single-frequency option is also available.

