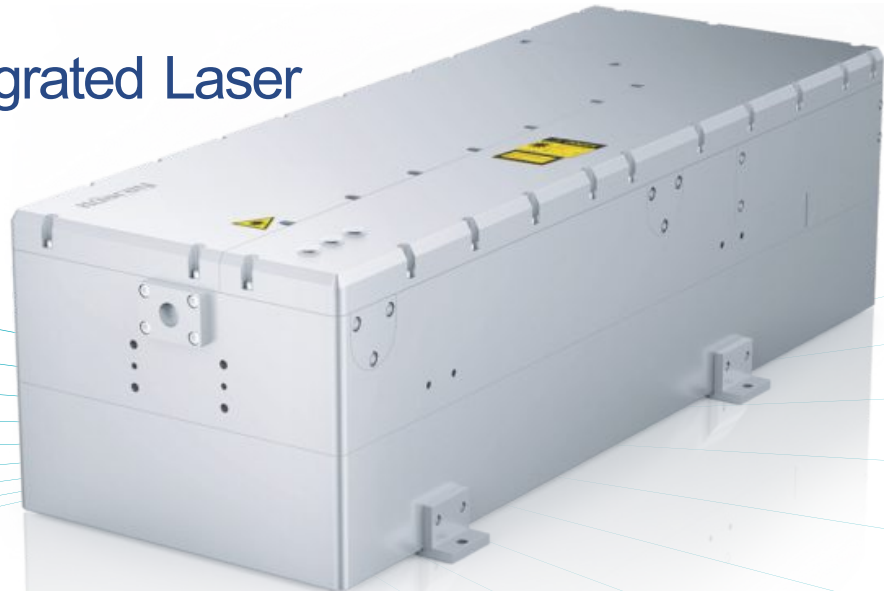


Poplar Low-Power Green

Nanosecond Integrated Laser



- ◉ Integrated design, compact all in one laser
- ◉ Technical performance indicators have reached the internationally advanced level, high reliability
- ◉ Real-time monitoring and remote diagnosis are realized with on-line monitoring function.

Application.



3C Industry



White Household Appliance



Appliance Housings



Food Packaging



Medical Industry



Metal



Non-metallic

Specifications: [POPLAR-532-7](#) · [POPLAR-532-10](#)

POPLAR series Low Power nanosecond UV/Green laser, compact external ray and power supply control system into laser head cavity by adopt new compact design, ease of integration.

POPLAR's technical performance indicators have reached the internationally advanced level, suitable for laser precision processing, and ensures stability and reliability for a long term. POPLAR is mainly used for precision marking in 3C industry, shell marking of white household appliances and flying marking in food and medical industry etc, and is suitable for metal and non-metallic surface machining or coating processing, scribing and blind slot treatment of various materials, micropore manufacture of new ultrathin metal materials, etc

Poplar Mid-Power Green Laser Datasheet

| | Poplar-532-7 | Poplar-532-10 |
|---------------------------------------|---|--------------------|
| Fundamental Center Wavelength | 532nm | |
| Output Power and Energy | >7W, >160μJ@50kHz | >10W, >200μJ@50kHz |
| Repetition Rate | 20kHz-200kHz | |
| Pulse Width | <22ns@80kHz | <18ns@60kHz |
| Spatial Mode | TEM ₀₀ (M ² ≤1.2) | |
| Beam Divergence | ≤2mrad | |
| Astigmatism | <0.3 | |
| Beam Circularity | ≥90% | |
| Polarization Ratio | >100:1 | |
| Polarization Direction | Vertical | |
| Beam Pointing Stability | <25μrad/°C | |
| Pulse Energy Stability | ≤3%RMS | |
| Power Stability | ≤3%RMS | |
| Long-term Pointing Stability | <25μrad/°C | |
| External Comms | RS-232 | |
| Beam Diameter, 0.3m in Front of Laser | ≤2mm | |
| Working Material | Nd:YVO ₄ | |
| Warm-up Time | <15min | |
| Operating Temperature | +10 to +35°C | |
| Operating Humidity | <65% | |
| Non-Operation(Storage) Temperature | -10 to +45°C | |
| Shipping Temperature(Non-condensing) | -10 to +45°C | |
| Cooling | Water | |
| Power Supply(Consumption) | 110/220V AC, 50/60Hz (600W) | |
| Classification | Class 4 | |
| Head Weight | 19.5kg | |

Mechanical Specifications (mm)

