Benefits

- Greater flexibility
  Range of pulses for new and improved applications
- Superior quality
  Industry leading reliability and product warranty
- Increased productivity
  Higher powers and pulse rates for faster processing
- Improved profitability
  Low cost of ownership with no service requirements

Applications

- Ablation
- Cleaning
- Drilling
- Engraving
- Marking
- Micro-machining
- Precision cutting
- Scribing
- Solar cell processing
- Thin film patterning
- Thin foil cutting
- Welding

200W EP-Z is ideal for...

- **High speed welding**
  With pulse energy >1.5mJ
  - Foils up to 2.0mm
  - Dissimilar metals

- **High speed cleaning**
  With PRF up to 4MHz
  - Thick layer rust removal
  - Paint ablation

- **High speed cutting & drilling**
  With peak power >10kW
  - Cutting metal foils up to 1.5mm
  - Drilling holes down to 80µm
**Parameter** | **Unit** | **SP-200P-A-EP-Z**
---|---|---
Central emission wavelength | nm | 1059 - 1065
Nominal average output power | W | 200
M\(^2\) | <1.6 |
Collimated beam diameter | mm | 10
PulseTune waveforms | | 45
Maximum pulse energy | mJ | >1.5
Maximum peak power | kW | >10
Pulse duration range | ns | 10 - 2000
Pulse repetition frequency (PRF) range | kHz | 1 - 4000
CW mode (with modulation) | kHz | No

**Cooling** | Air |
**Beam delivery cable length** | m | 3
**Laser module dimensions** | mm | 423 x 417 x 133
**Power supply voltage** | V DC | 36
**Power supply requirement** | W | 950
**Operating temperature range** | °C | +10 to +40
**Relative humidity range** | 5-95% RH (non-condensing) |

To learn more about our redENERGY G4 Fiber Laser products visit our website: [www.spilasers.com](http://www.spilasers.com)