



FP 010

NEW HIGH POWER PULSED FIBER LASER

The new, 1 kW (average power) pulsed fiber laser from Coherent-ROFIN offers the highest beam quality currently available at this power level, thus enabling high throughput, precision ablation for a variety of industrial and solar applications.

The unique combination high average power, high pulse energy and superior beam quality makes the FP 010 an ideal source for ablation, surface cleaning, and precision material and coating removal in a range of applications. These include AlSi removal from tailored blank parts prior to welding, edge deletion for thin film (CdTe, CIGS) solar cells, cleaning of molds, aerospace components and other precision parts, as well as other surface cleaning, activation and structuring uses.

FEATURES:

- Pulse energy of 100 mJ @ 10 kHz, P < 1.7 MW
- 10 ns - 100 ns pulses selectable
- 400 μ m fiber for high beam quality (< 24 mm x mrad, round core output fiber)
- Based on field-proven components and safety concept of high-power fiber laser series

APPLICATIONS:

- Ablation
- Surface cleaning, activation and structuring
- Precision material and coating removal

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