

# FCPA DE $\mu$ Jewel Series

## Product Features

- Pulse On-Demand: single pulse to standard pulse repetition rate
- Pulse Select: Allows users to select up to 15 pre-set repetition rate values
- Burst Mode capable
- Remote diagnostic testing and in-field configuration
- Mechanical reliability complies with relevant MIL-STD-810F and IEC 60601-1 requirements
- Integrated Green and/or UV wavelengths, optional



## Applications

- Glass Welding
- Wafer Processing
- Thin Film Ablation
- Microprocessing
- Selective Laser Etching
- Ceramic Processing

## Typical Configurations\*

	DE1050	DE2020
Wavelength	1045 nm	1045 nm
Average Power (max)	10 W	20 W
Pulse Energy (max)	50 $\mu$ J	20 $\mu$ J
Standard Repetition Rate	200 kHz	1000 kHz
Pulse Duration	$\leq$ 350 fs	$\leq$ 400 fs

\*Other configurations available for specialized and OEM applications, e.g. higher average power, higher pulse energy, other repetition rate

DE Specifications	
Beam Quality	$M^2 \leq 1.3$
Polarization	$\geq 20$ dB, Linear
Power Stability	$\leq 1\%$ RMS
Output Aperture Height	55.4 mm
Laser Head Dimensions	666 x 520 x 165 mm <sup>3</sup>
Laser Head Weight	$\leq 45$ kg
Controller Dimensions	433 x 483 x 222 mm <sup>3</sup>
Controller Weight	$\leq 30$ kg
Power Consumption	$\leq 1200$ W
Operating Voltage	100-120/200-240 VAC
Output Trigger	+3V, 100 ns wide, 150 ns before optical pulse
Operating Temperature	20 - 30 °C
Storage Temperature	0 - 50 °C
Warm-up Time	$\leq 60$ minutes
Cable Length	3 m



DX-Series Warning Label



NOTE: Specifications and features may change without notice

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