

FCPA DE μ 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

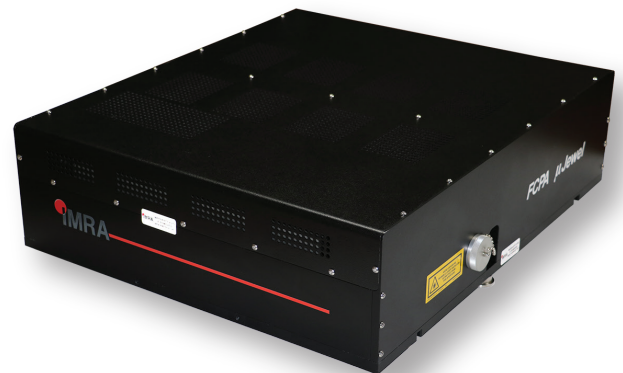
Typical Configurations*

	DE1050	DE2020	DE3030
Wavelength	1045 nm	1045 nm	1045 nm
Average Power (max)	10 W	20 W	30 W
Pulse Energy (max)	50 μ J	20 μ J	30 μ J
Standard Repetition Rate	200 kHz	1000 kHz	1000 kHz
Pulse Duration	\leq 350 fs	\leq 400 fs	\leq 400 fs

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

Applications

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



	DE 1050/2020 Specifications	DE 3030 Specifications
Beam Quality	$M^2 \leq 1.3$	
Polarization	≥ 20 dB, Linear	
Power Stability	$\leq 1\%$ RMS	
Output Aperture Height	55.4 mm	68.1 mm
Laser Head Dimensions	666 x 520 x 165 mm ³	606 x 520 x 178 mm ³
Laser Head Weight	≤ 45 kg	≤ 50 kg
Controller Dimensions	433 x 483 x 222 mm ³	
Controller Weight	≤ 30 kg	
Power Consumption	≤ 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	≤ 60 minutes	
Cable Length	3 m	



DE-Series Warning Label



NOTE: Specifications and features may change without notice

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