



Chromacity Spark-X

Wavelength-extended 1280-nm femtosecond laser source



- Output power >30 mW
- Sub-200-fs pulses
- 100-MHz repetition frequency
- Lock-to-clock option
- Linearly polarized free-space output
- Exceptional stability
- Web-based laser control
- Easy to use interface
- Door interlock error alerts
- Control multiple lasers
- Custom options available

- Two-photon stimulation of CMOS circuits
- OBIC imaging
- Sub-surface confocal laser-scanning microscopy
- Device characterisation
- Single-event upset triggering
- Pump-probe measurements
- Material characterisation

Output power	>30 mW
Wavelength	1280 nm ± 25 nm
Pulse Duration	< 200 fs
Bandwidth	>8 nm
Repetition frequency	100 MHz 140 Hz RMS (50 hours) Monitor photodiode
Beam quality	Diffraction limited FC-APC fibre output Linearly polarised
Control interface	Ethernet and web page
Dimensions	770 x 300 x 110 mm (laser head) 483 x 285 x 90 mm (control unit)
Weight	14 kg (laser head) 2.5 kg (control unit)
Electrical	Voltage 110 – 240 V AC (50 – 60 Hz) Power 0.65 kW

specifications subject to change without notice