

SIR OCCO

IR, GREEN & UV
 HIGH POWER FIBER LASER

QUASI-CW



Key Features

High Power	50 W, 100 W	at	1030 nm
	25 W, 50 W	at	515 nm
	10 W, 20 W	at	343 nm
QCW repetition rate	15 MHz to 110 MHz		
ps pulse duration	15 ps or 30 ps		
Excellent beam quality	$M^2 < 1.2$		
Superior power stability	2 % over 8 hours		
24/7 industrial design			

Applications

Laser direct imaging
 Instrumentation
 Material processing

Scientific application
 OPO pumping
 Microscopy

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	IR 1030 nm		Green 515 nm		UV 343 nm	
	IR50	IR100	G25	G50	UV10	UV20
Max average power	50 W	100 W	25 W	50 W	10 W	20 W
Repetition rate (MHz)	From 15 MHz to 110 MHz on request					
Pulse duration (ps)	15 or 30 ps at 1030 nm					

Laser characteristics All models

Laserhead Mechanical size 1065 x 462 x 104,4 mm

Power supply Mechanical size 19 inch 6U rack
428 x 266 x 605 mm

Laserhead Weight 40 kg

Power supply Weight 33 kg

Cooling type Water

Electrical Power consumption Max 1000 W

Power requirement 100V/240V, 50/60Hz single phase

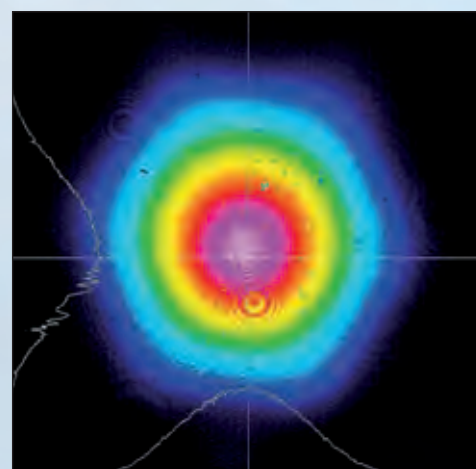
Fibre & cable length (from power supply to laser head) Fibre length = 5 m, RF/Dsub25 = 3 m

Interfaces RS232 or DB37 parallel port

Cooling Requirement 900 W max. heat load

OPTIONS

External Shutter, Modulator



Beam profile $M^2 < 1.2$

