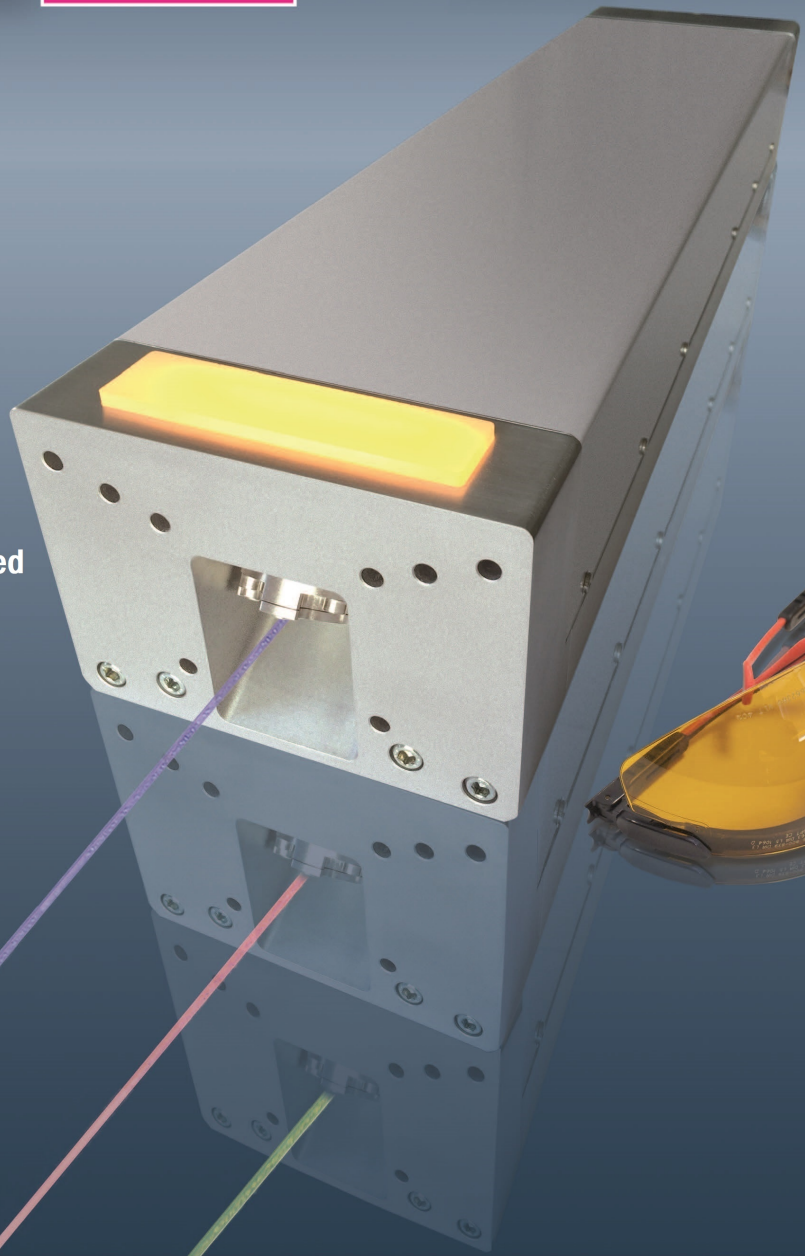


COMPACT LASER SOLUTIONS

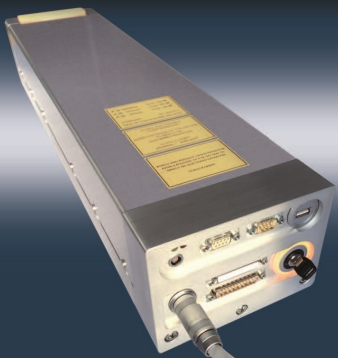
CONQUEROR SERIES

ALL IN ONE

- up to 50W, q-switched
- 50 W @ 1064nm
- 25 W @ 532nm
- 20 W @ 355nm
- 2,5 W @ 266nm
- 100kW pulse-peak-power
- 1Hz – 500kHz
- scanner-control + software already included
- water-cooled or entirely air-cooled
- up to 100.000 hours laser-diode-lifetime
- made in Germany



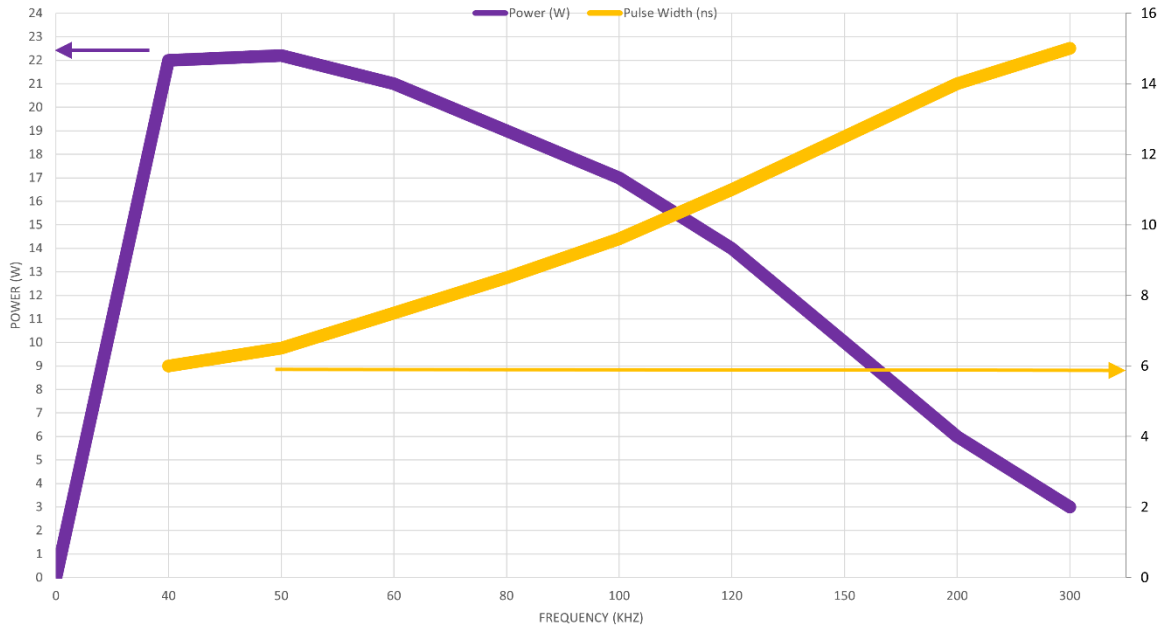
www.compactlaser.com



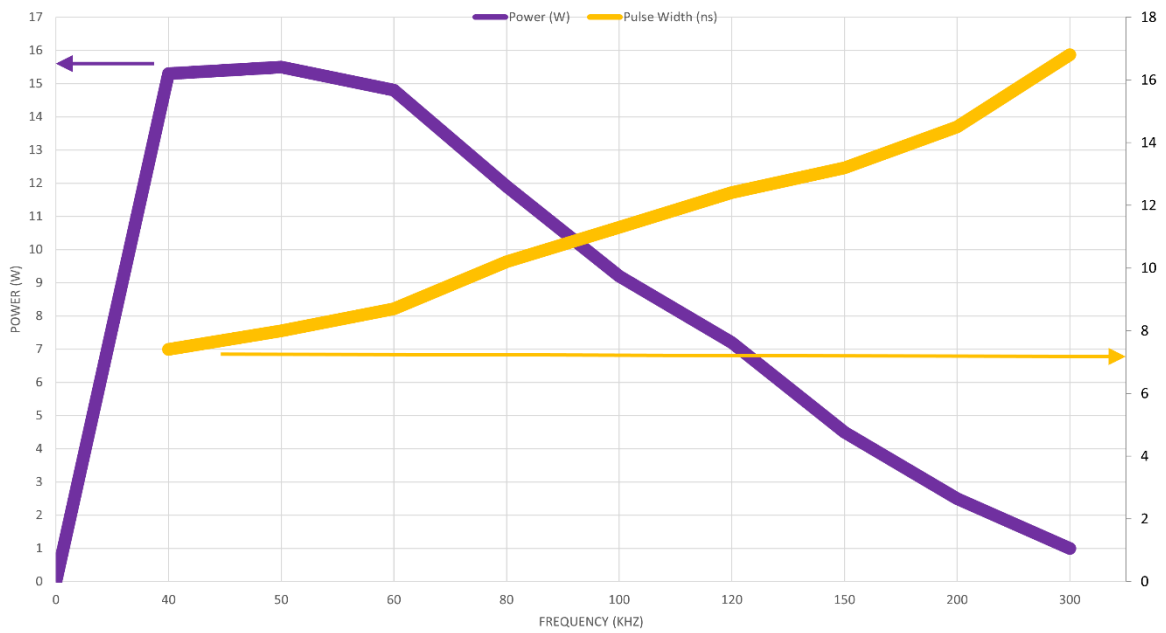
	Deep UV	UV				Green			Infrared	
Model	YVO4_266_3	YVO4_355_12	YVO4_355_12_HE	YVO4_355_15	YVO4_355_25_HE	YVO4_532_15	YVO4_532_20	YVO4_532_25	YVO4_IR_30	YVO4_IR_50
Betriebsart Mode of operation	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed
Leistungsklasse power class	3W	12W	12W	15W	20W	15W	20W	25W	30W	50W
Wellenlänge Wavelength	266nm	355nm	355nm	355nm	355nm	532nm	532nm	532nm	1064nm	1064nm
Strahlqualität Beam mode	TEM ₀₀	TEM ₀₀	TEM ₀₁	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₁
M ²	< 1.5	< 1.2	< 1.3	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2	< 1.2
Polarisation	Linear > 100:1 vertical	Linear > 100:1 vertical	Linear > 100:1 vertical	Linear > 100:1 vertical	Linear > 100:1 vertical	Linear > 100:1 horizontal	Linear > 100:1 horizontal	Linear > 100:1 horizontal	Linear > 100:1 vertical	Linear > 100:1 vertical
Strahldurchmesser Beam diameter	~0,5mm	~0,8mm	~0,8mm	~0,8mm	~0,8mm	~0,8mm	~0,8mm	~0,8mm	~0,8mm	~0,8mm
max. Pulsenergie max pulse energy	~100 µJ	~400 µJ	~1200 µJ	~400 µJ	~500 µJ	~450 µJ	600µJ	750µJ	~800 µJ	~1000 µJ
minimalste Pulsweite minimal Pulse width	6ns	7ns	6ns	7ns	7ns	8ns	8ns	8ns	10ns	10ns
Repetitionsrate Repetition rate	1Hz - 300kHz	1Hz - 500kHz	1Hz - 100kHz	1Hz - 500kHz	1Hz - 500kHz	1Hz - 500kHz	1Hz - 500kHz	1Hz - 500kHz	1Hz - 500kHz	1Hz - 500kHz
mittlere Leistung average output power	2,5W @ 30kHz	12W @ 50kHz (<12ns)	12W @ 10kHz (<7ns)	15W @ 70kHz (<12ns)	20W @ 40kHz (<7ns) 15W @ 100kHz (<11ns)	15W @ 40kHz (<10ns)	20W @ 40kHz (<9ns) 14W @ 100kHz (<14ns)	25W @ 40kHz (<9ns) 18W @ 100kHz (<14ns)	30W @ 50kHz (<12ns)	45W @ 100kHz (<14ns)
max. Pulsspitzenleistung max. peak pulse power	~15kW	~50kW	~200kW	~50kW	~75kW	~50kW	~60kW	~80kW	~80kW	~100kW
Laserklasse laser class	4									
Kühlung cooling	Wasserkühlung oder ausschließlich Luftkühlung water-cooled or entirely air-cooled									
Kühlungssystem cooling system	Thermo elektrische Kühlung thermo electric cooling									
Elektrischer Anschluss electrical ratings	24 VDC									
Leistungsaufnahme power consumption	< 300W									
Abmessungen Laserkopf dimensions laser head	680mm x 150mm x 108mm									
Gewicht Laserkopf weight laser head	~12kg									

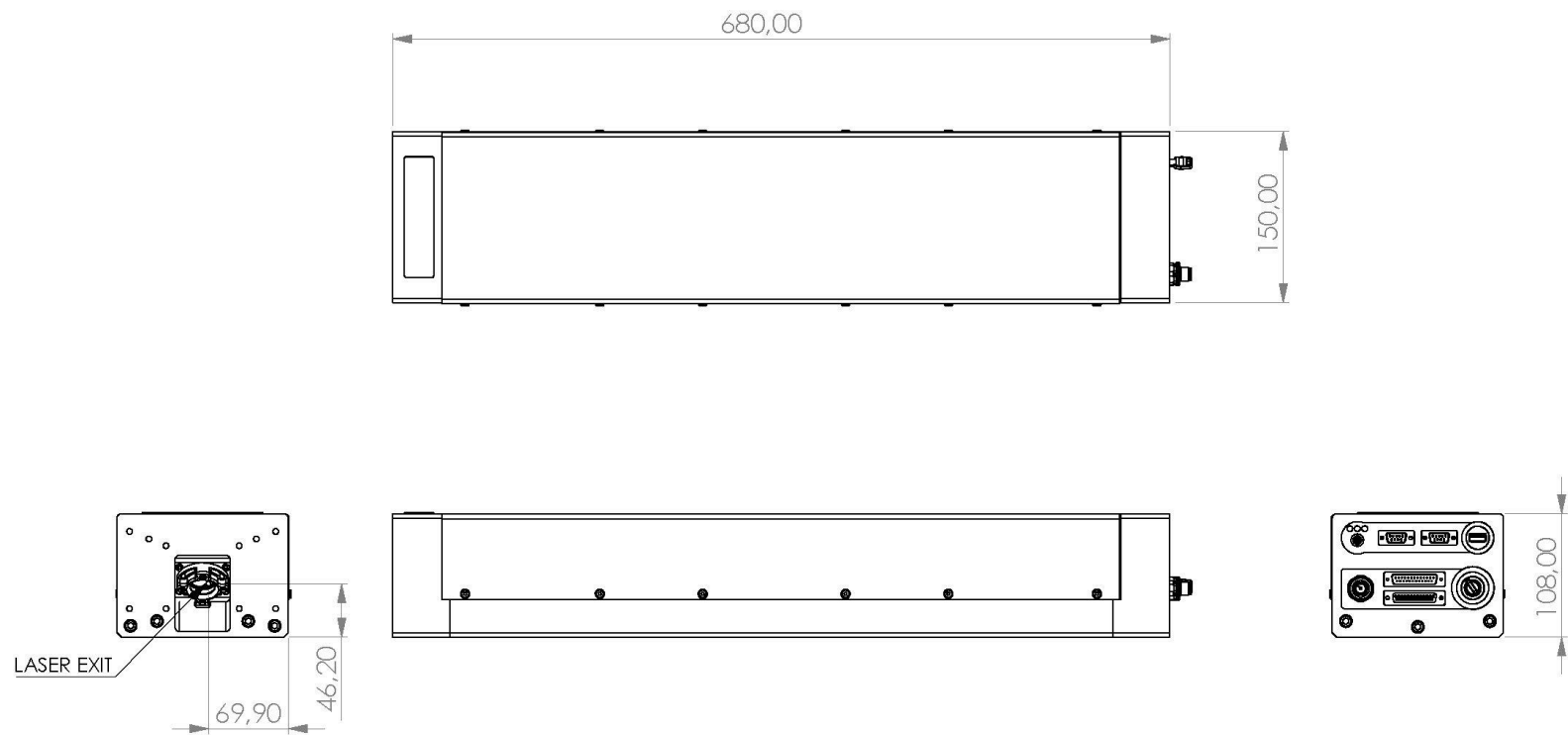
We reserve the right to make technical modifications without prior notice. Errors and omissions excepted. 10% tolerances for measured values.

CONQUEROR ALL-IN-ONE 355-20



CONQUEROR ALL-IN-ONE 355-15





CONQUEROR ALL IN ONE