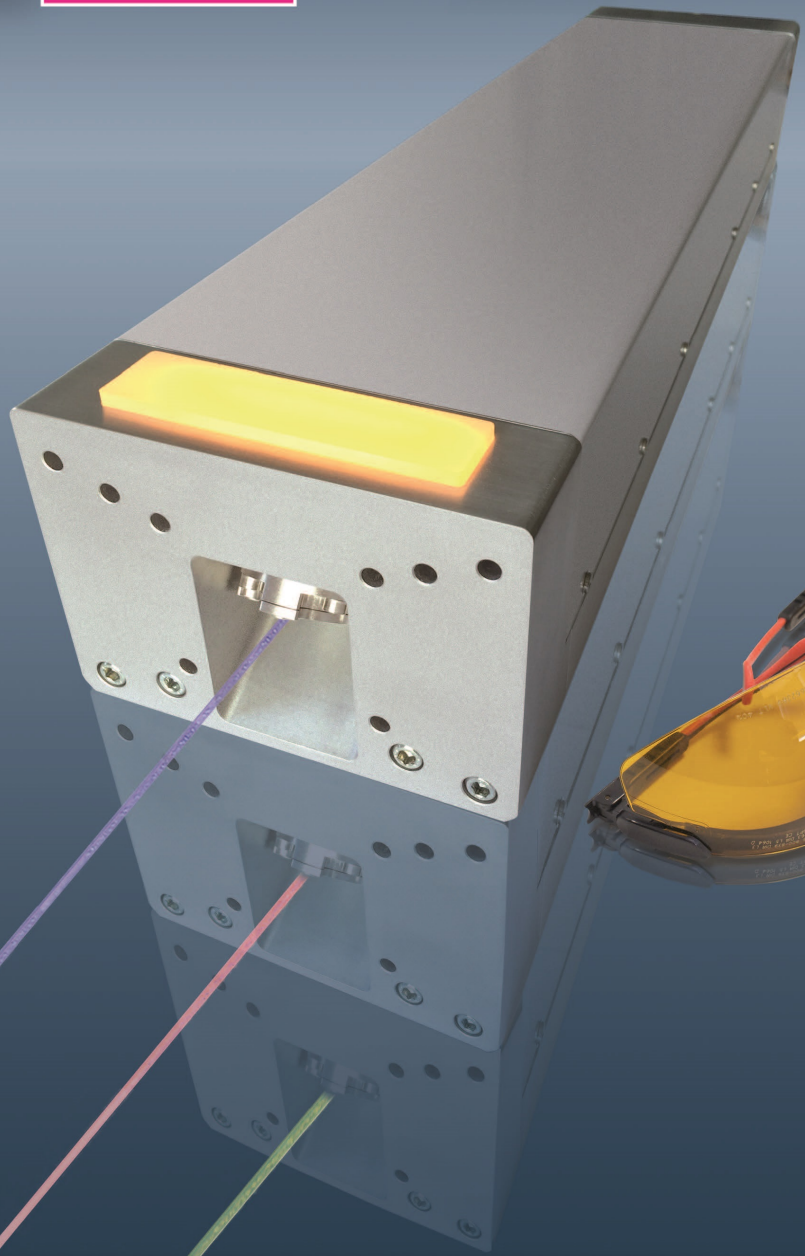


COMPACT LASER SOLUTIONS

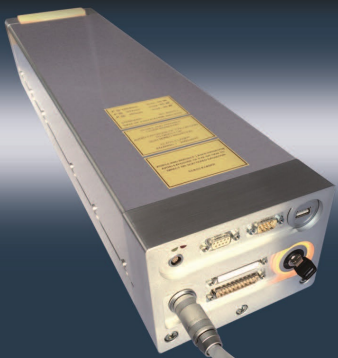
CONQUEROR SERIES

ALL IN ONE

- up to 30 W, q-switched
- 30 W @ 1064nm
- 25 W @ 532nm
- 15 W @ 355nm
- 100kW pulse-peak-power
- 1Hz – 500kHz
- scanner-control + software already included
- entirely air-cooled
- up to 100.000 hours laser-diode-lifetime
- made in Germany



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CONQUEROR ALL IN ONE-SERIES

	YVO4 IR_30	YVO4 532_15VSP	YVO4_355 12	YVO4_355 15
Betriebsart Mode of operation	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed	gepulst / pulsed
Leistungsklasse power class	30W	15W	12W	15W
Wellenlänge Wavelength	1064nm	532nm	355nm	355nm
Strahlqualität Beammode	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀
M ²	< 1.3	< 1.3	< 1.3	< 1.3
Polarisation	Linear > 100:1 vertical	Linear > 100:1 horizontal	Linear > 100:1 vertical	Linear > 100:1 vertical
Strahldurchmesser Beam diameter	~0,8mm	~0,8mm	~0,8mm	~0,8mm
max. Pulsenergie max pulse energy	~650 µJ	~450 µJ	~400 µJ	~400 µJ
minimalste Pulsweite minimal Pulse width	12ns	8ns	7ns	7ns
Repetitionsrate Repetition rate	1 Hz - 500kHz	1 Hz - 500kHz	1 Hz - 500kHz	1 Hz - 500kHz
mittlere Leistung average output power	26W @ 40kHz (<12ns)	15W @ 40kHz (<10ns)	12W @ 50kHz (<10ns)	15W @ 70kHz (<12ns)
max. Pulsspitzenleistung max. peak pulse power	~60kW	~50kW	~50kW	~50kW
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	630mm 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.
Compact Laser Solutions GmbH

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