

LASER SOURCES

**AUXXOS**  
LASERTECHNIK

# AUXXOS

## OUR LASER SOURCES

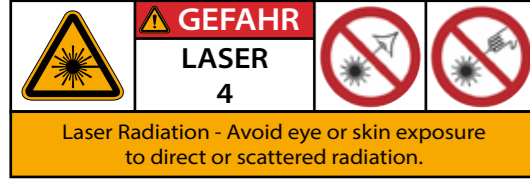
AUXXOS provides complex laser technology from our in-house development - designed to be as intuitive and user-friendly as possible for our customers. From the first contact to the application at your site, we always think laser from your perspective. Together, we look at your requirements and recommend the right laser source.

Our laser systems are not simply ready-configured products. They are tailored to your requirements and fit into your industrial processes. The highlight: All laser systems from AUXXOS are modular and thus freely expandable via plug&play. Power, cooling and pulse frequency are configured for your process requirements.

With AUXXOS laser systems you get a well thought-out product from real laser enthusiasts.

- + Easy processing of demanding materials
- + Customized interface and controller
- + Optional integrated scanner controller
- + Simultaneous pulse triggering of multiple lasers in a network
- + Highest pulse-to-pulse stability, efficiency and outstanding performance
- + Maintenance-free





## LASER PULSED / CW MODULATED

- + High-precision cutting, welding and drilling lasers
- + Precise pulse shaping and modulation

## LASER MOPA

- + High-precision material removal, drilling and marking lasers

	HELIOS ☼	ARTEMIS ☾	APOLLON ☽	BACCHUS ☞	WOTAN ☼	POSEIDON ☞	LETO ☼	PAN ☼	HESTIA ☼	
Cooling	Air cooled		Air cooled		Water cooled		Air cooled		Air cooled	
Laser type	Ytterbium fiber laser		Ytterbium fiber laser		Ytterbium fiber laser		Ytterbium fiber laser		Ytterbium fiber laser	
Wavelength	1070 nm		1070 nm		1070 nm		1060 nm		1064 nm	
Performance data										
Pulse frequency	0.1 – >50000 Hz		0.1 – >50000 Hz		0.1 – >50000 Hz		0.1 – >50000 Hz		0.1 – >50000 Hz	
Operating mode	pulsed	cw modulated	pulsed	cw modulated	pulsed	cw modulated	pulsed	cw modulated	MOPA	
Pulse duration	0.01 – 50 ms	0.01 – cw	0.01 – 50 ms	0.01 – cw	0.01 – 50 ms	0.01 – cw	0.01 – 50 ms	0.01 – cw	0,15 - 5 ns (stepped)	
Maximum pulse energy	15 J		30 J		44 J		44 J		60 J	
Maximum peak pulse output	1,5 kW	250 W	3 kW	300 W	4,4 kW	440 W	4,4 kW	440 W	6 kW	
Maximum average output	150 W	250 W	300 W	300 W	440 W	440 W	440 W	440 W	600 W	
Dimensions and weight   WxHxD										
Without front panel and connectors	445 x 310 x 604 mm		445 x 310 x 604 mm		445 x 400 x 604 mm		445 x 310 x 604 mm		445 x 400 x 604 mm	
With front panel and connectors	483 x 310 x 700 mm		483 x 310 x 700 mm		483 x 400 x 700 mm		483 x 310 x 700 mm		483 x 400 x 700 mm	
Laser module weight	ca. 42 kg		ca. 46 kg		ca. 52 kg		ca. 52 kg		ca. 57 kg	
Operating environment										
Maximum ambient temperature	10-35 °C		10-35 °C		10-35 °C		10-50 °C		10-35 °C	
Maximum relative humidity Non condensing	10-90 %		10-90 %		10-90 %		10-95 %		10-90 %	
Heat emission										
Maximum power dissipation	ca. 1.5 kW							< 1 kW		
Fiber optics										
	Fiber core diameter: SM (HELIOS only), 50, 100*, 200µm* and larger* on request (*optional plug-in)							Beam diameter: 6 - 9 mm (M2 ≤ 2)		
Fiber lenght	On request							5 m	2 m	2 m
Fiber connector	QBH compatible, others on request							Amplifier	Collimator	Collimator
Power supply										
Mains	1-phase							1-phase		
Mains voltage	110 V / 230 V							110 V / 230 V		
Mains frequency	50 Hz / 60 Hz							50 Hz / 60 Hz		

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Are you interested in a cooperation or do you need additional information? Just give us a call, send us an e-mail or visit us online.

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