

SuperK EVO OEM

OEM supercontinuum fiber laser platform

- Versatile cost-efficient Supercontinuum platform
- Robust and compact industrial design
- Flexible cooling solutions (air or water)
- Reliable and maintenance-free



Light source for

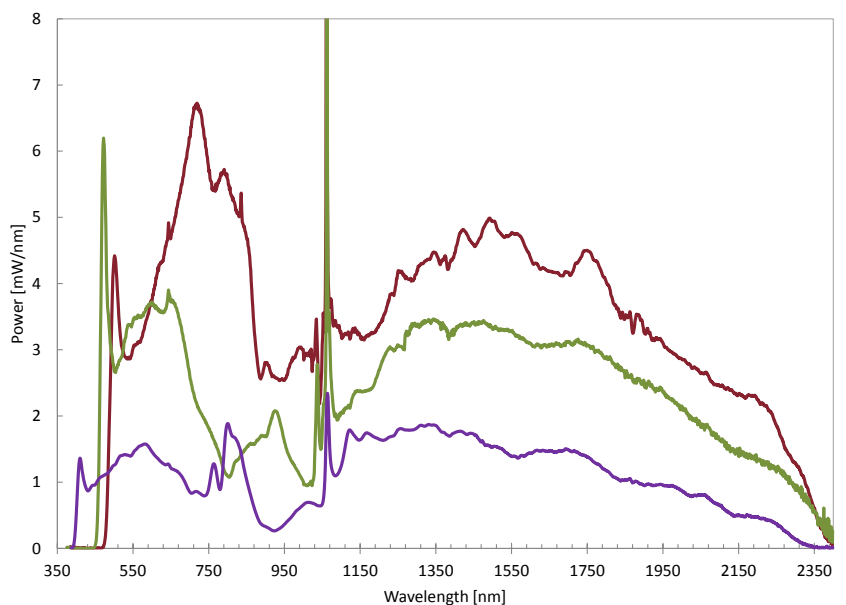
- Microscopy
- Industrial metrology
- Characterizations of optical components and materials
- Optical inspection and imaging
- General illumination

Optimized for reliability, footprint, and cost, the new SuperK EVO supercontinuum fiber laser range is designed for OEM integration in demanding commercial applications.

The EVO can be configured with output power levels anywhere from 100 mW up to 10 W with MHz repetition rate. The output spectrum covers 400-2400 nm and comes fiber delivered through a broadband collimator.

With a maintenance-free lifetime of thousands of hours, the SuperK EVO is ready for 24/7 applications and the small footprint of 200X325 mm / 7.9X12.8" is optimized for OEM integration. The entire bottom of the lasers acts as cooling interface, allowing for flexible cooling solutions with both air and water, depending on the application and space constraints.

Typical output spectrums



Specifications

Optical

Repetition Rate (Fixed)	20-400 MHz
Spectral Coverage	400 - 2400 nm
Total output power	100 mW to 10 W
Total power stability	± 1.0 %
Polarization	Unpolarized
Beam output	Gaussian, single mode
Typical M ²	< 1.1
Optical Output	Collimated or divagated
Length of output fiber	1.5 m

User Interface/operations system

Software	NKT Photonics CONTROL
Software integration	Software Development Kit

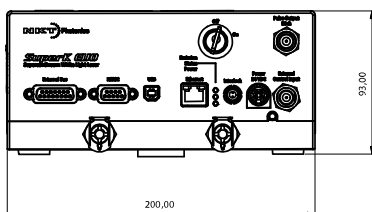
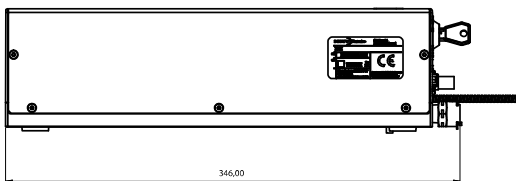
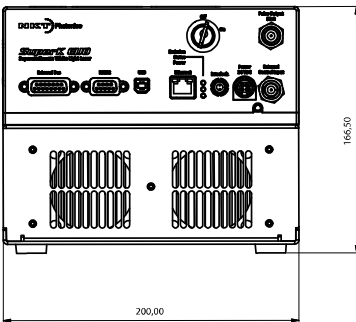
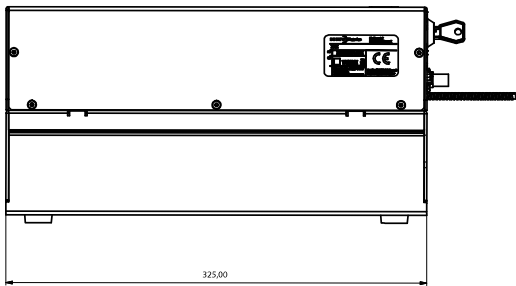
Electrical

Computer interface	USB 2.0/RS-232/Ethernet
Sync (trigger) output	NIM
Operation voltage	24 V DC
Power Consumption	Max. 120 W ¹
Door interlock connector	2-pin LEMO
External bus interface	15 D-Sub Female

Mechanical

System cooling	Air ²	Water ³	Passive ⁴
Dimensions (WxHxL)	200x166,5x325	200x93x346	200x80x325
Weight	12 kg	8 kg	6 kg
Operation/cooling temperature	15 to 30°C	15 to 35°C	15 to 35°C
Storage temperature	-10° to +60°C		

- 1) Power consumption is depending on the total output power
- 2) Internal fan at a minimum airflow is 80 m³/hour, air flow is needed
- 3) Water interface: 1/4" BSPT valve coupling
- 4) Heat radiation from the base plate (button of the laser)



AInnoTech www.AINNOTECH.com
 (주)에이이노텍 Email: korea@ainnotech.com
FiberAll www.FIBERALL.co.kr
 광통신 전문 쇼핑몰! 파이버올! 서울시 송파구 가락동 10-9 현성 B/D 2F
 TEL: 02.409.3222 FAX: 02.409.3229

NKT Photonics A/S (Headquarters)
 Blokken 84, 3460 Birkerød, Denmark
 Phone: +45 4348 3900
 Fax: +45 4348 3901

NKT Photonics GmbH
 Schanzenstrasse 39, Bldg D9-D13
 51063 Cologne, Germany
 Phone: +49 221 99511-0
 Fax: +49 221 99511-650

NKT Photonics Inc.
 3514 N Vancouver Avenue, Suite 310
 Portland, OR 97227 • USA
 Phone: +1 (503) 444-8404
 Fax: +1 (503) 914-1664

All NKT Photonics products are produced under our quality management system certified in accordance with the ISO 9001:2008 standard.

