

HYPERION

White Light Supercontinuum Source

The **HYPERION** is the first nanosecond high energy supercontinuum achieving more than 1W total average power on a broadband flat spectrum covering at least 420nm up to 2400nm. This white light laser is the state of the art nanosecond supercontinuum source combining high energy and high power. The **HYPERION** design is based on a long life technology ensuring a robust high performance solution.

FEATURES

- From visible to NIR
420 nm - 2400 nm
- Total average power > 1 W
- High energy per pulse > 3 μ J
- Visible power > 100 mW
- Visible energy > 750 nJ
- Repetition rate > 130 kHz
- Flat spectrum
- Singlemode TEM00
- Maintenance-free
- Reliable long-life technology

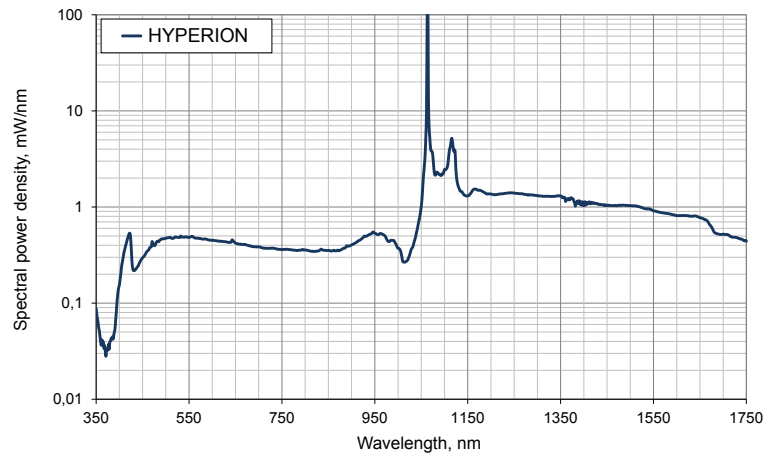
APPLICATIONS

- Optical component testing
- Microscopy
- Spectroscopy
- Metrology, LIDAR
- High resolution imaging

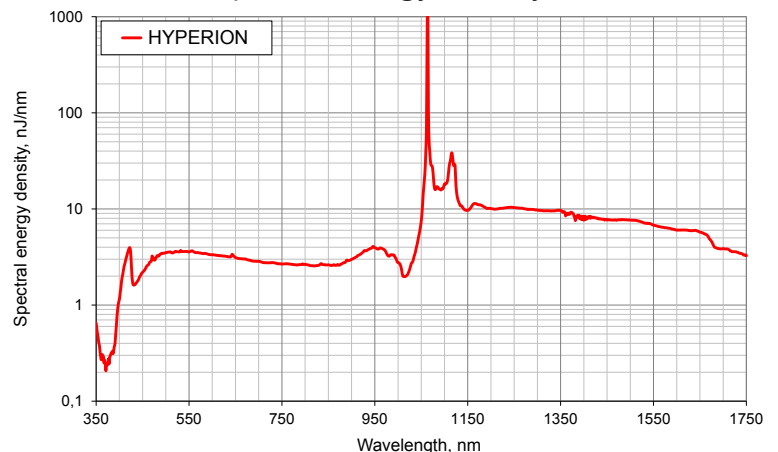


**NEW
HIGH ENERGY
HIGH POWER
SUPERCONTINUUM**

Spectral Power Density



Spectral Energy Density





PORTFOLIO

Supercontinuum Sources

High Power Supercontinuum Laser

SMHP series

Quasi-continuous wave and short pulses

Total average power up to 6 W
Spectral bandwidth 420-2000 nm (other bandwidth upon request)
Picosecond pulses
Repetition rates 20 MHz, 40 MHz, 60 MHz and pulse-picker option

HYPERION white light laser

High power and high energy nanosecond pulses

Total average power > 1 W
Spectral bandwidth 420-2400 nm
Nanosecond pulses, high energy
Repetition rate > 130 kHz

ADDITIONAL EQUIPMENTS

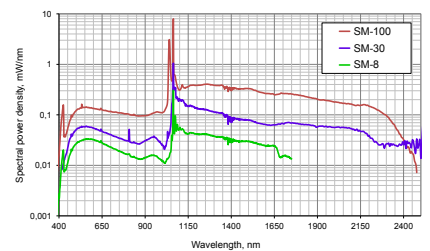
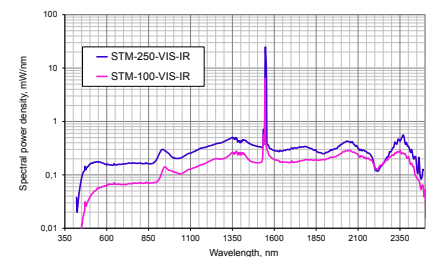
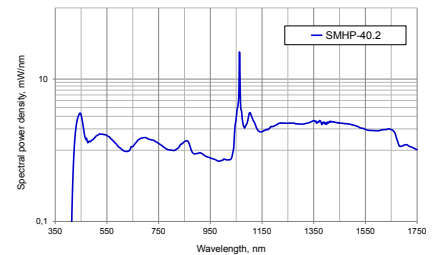
- **Collimated Output**
Lens collimator
Achromatic broadband collimator
- **Tunable Filter**
AOTF solutions
Monochromators
Automated filters
- **Filter**
Adjustable bandwidth filters
Bandwidth splitters
- **Fiber Delay Lines**
All fibered fiber delay lines

Middle Power Supercontinuum Laser

SM-100, STM-VIS-IR, STM-IR series

Flat spectrum high energy sources

Total average power < 1.4 W
Spectral bandwidth 420-2400 nm or 900-2800 nm
Nano/subnanosecond pulses, high energy
Repetition rate from 100 kHz up to 250 kHz
Internal or external triggered mode of operation



Low Power Supercontinuum Laser

SM, STM, SCM, SP series, UV ext

High energy broadband spectrum down to 320 nm

Total average power < 200 mW
Spectral bandwidth 420-2400 nm or 370-2400 nm
UV extension bandwidth 350-2400 nm or 320-2400 nm
Subnanosecond pulses, high energy
Repetition rate from pulse-on-demand 10 Hz up to 30 kHz
Triggered or free-running laser
Low timing jitter design < 20 ns at 2 kHz repetition rate
Compact OEM format

**INVISIBLE AND VISIBLE LASER RADIATION
AVOID EXPOSURE TO BEAM
Class 4 (IV) Laser product**

200 nm < λ < 3000 nm; Pulse width \leq 2 ns; AVG Power \leq 6 W
This laser does not comply with 21 CFR 1040.10 nor IEC 60825.1-2001.
Use only as an OEM component.

All specifications are subject to change without notice.
LEUKOS Laser and Series do not comply with CDRH requirements.
The customer is responsible for CDRH certification of the systems incorporating the LEUKOS laser.

