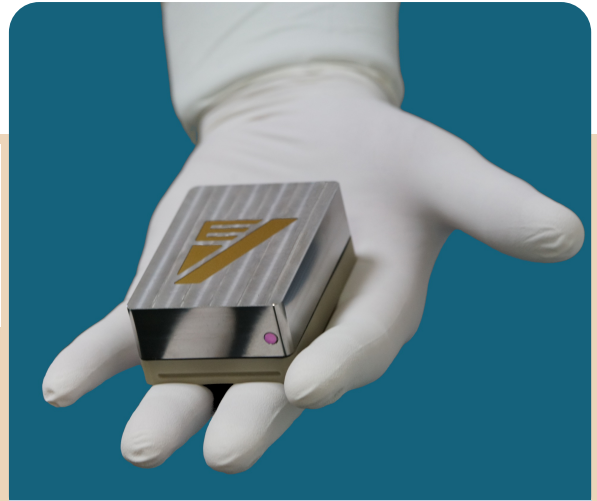


HUMMINGBIRD-1030



tiny femtosecond laser oscillator
with >1 Watt output power



KEY SPECIFICATIONS

Center Wavelength	[nm]	1032 ± 2
Average Output Power	[W]	>1.0
Pulse Duration	[fs]	<200
Beam Quality Factor, M ²	[1]	<1.2
Repetition Rate	[MHz]	50
Pulse Energy	[nJ]	>20

OPTIONS

- » shorter pulses
- » 2 W output power
- » other repetition rates (on request)
- » water cooling
- » WiFi

APPLICATIONS

Medical	Industry	Science
Precision Micro-Surgery	OEM Seed Oscillator, 2PP (515nm)	Spectroscopy, Microscopy, and Ultrafast Imaging

GOOD TO KNOW

Hummingbird sets new standards with respect to performance, compactness and price. It is powered by 20V (USB-C PD) and features a contact-cooled, miniature housing that integrates everything you need to operate the laser oscillator 24/7.

With its output power of >1W, its pulse duration of <200 fs at a repetition rate of 50 MHz, it is the perfect workhorse for your everyday laser tasks!

KEY FEATURES

- » 24/7 operation
- » digital clock output
- » everything-you-need inside
- » only 70 (L) x 49 (W) x 28 (H) mm³
- » powered by USB-C PD 20V
- » contact-cooled
- » Interfaces:
USB-C, others on request
- » no installation required
- » GUI stored in laser memory
- » cloud-based health monitoring (coming soon)
- » very attractive volume prices

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