

# HUMMINGBIRD-515



tiny femtosecond laser oscillator  
with >0.5W output power in the  
green wavelength range



## KEY SPECIFICATIONS

Center Wavelength	[nm]	516 ± 1
Average Output Power	[W]	>0.5
Pulse Duration (sech <sup>2</sup> )	[fs]	<200
Beam Quality Factor, M <sup>2</sup>	[1]	<1.1
Repetition Rate	[MHz]	50
Pulse Energy	[nJ]	>10

## 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, 2-Photon-Polymerization (2PP)	Spectroscopy, Microscopy, and Ultrafast Imaging

## GOOD TO KNOW

Hummingbird-515 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.

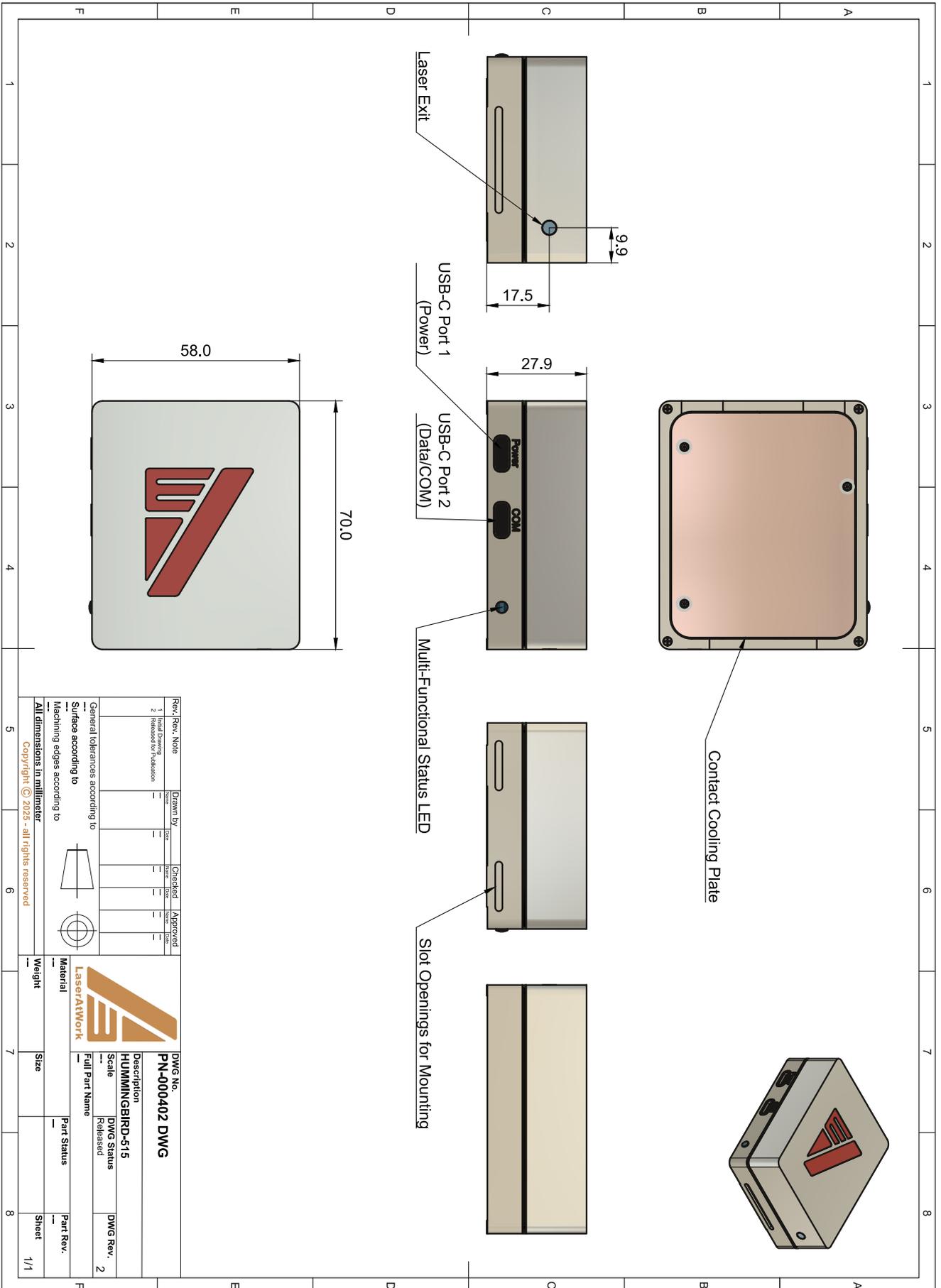
With its output power of 500 mW, its pulse duration of <200 fs at a repetition rate of 50 MHz, it is the perfect workhorse for your everyday laser tasks!

## KEY FEATURES

- » 24/7 operation
- » digital clock output
- » everything-you-need inside
- » only 70 (L) x 58 (W) x 28 (H) mm<sup>3</sup>
- » powered by USB-C PD 20V
- » contact-cooled
- » Interfaces:  
USB-C, others on request
- » no installation required
- » cloud-based health monitoring (coming soon)
- » very attractive volume prices

# PRODUCT SHEET

LaserAtWork GmbH  
 Buedtenstrasse 6a  
 AT-6973 Hoechst



Rev.	Rev. Note	Drawn By	Checked	Approved
1	Final Drawing			
2	Released for Publication			

General Tolerances according to				
Surface according to				
Machining edges according to				
All dimensions in millimeter				

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		DWG No. <b>PN-000402 DWG</b>
Description <b>HUMMINGBIRD-515</b>		Part Status Released
Full Part Name Released		DWG Rev. 2
Material	Weight	Part Rev.
		1/1