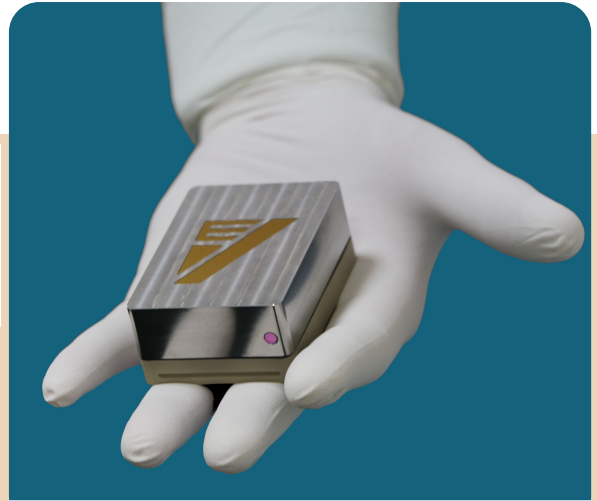


# HUMMINGBIRD-1030



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 <sup>2</sup>	[1]	<1.2
Repetition Rate	[MHz]	50 (80, 450)
Pulse Energy	[nJ]	>20 (>13, >2)

## OPTIONS

- » shorter pulses
- » 2 W output power
- » other repetition rates
- » water- or air-cooling
- » battery-powered
- » WiFi
- » OEM version

## 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 between 50 MHz and 450 MHz, it is the perfect workhorse for your everyday laser tasks!

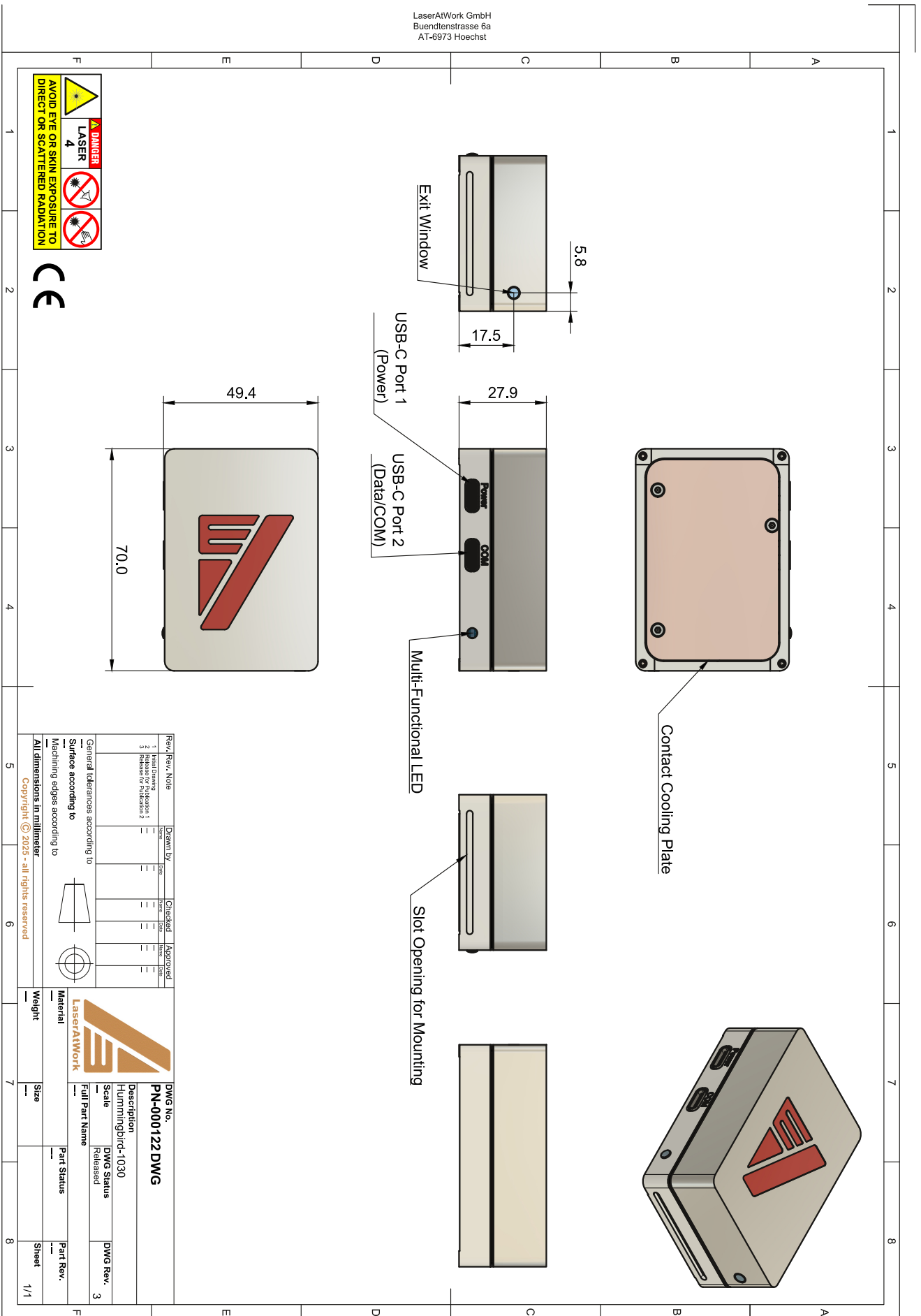
## KEY FEATURES

- » 24/7 operation
- » digital clock output
- » everything-you-need inside
- » only 70 (L) x 49 (W) x 28 (H) mm<sup>3</sup>
- » 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



# PRODUCT SHEET

LaserAtWork GmbH  
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 AT-6973 Hoechst



Rev./Rev. Note	Drawn By	Checked	Approved
1 Initial drawing			
2 Revision for Publication 1			
3 Release for Publication 2			

General tolerances according to	
Surface according to	
Matching edges according to	
All dimensions in millimeter	

DWG No.	PN-000122 DWG
Description	Hürningbird-1030
Scale	
Full Part Name	
Part Status	Released
Material	
Weight	
Size	
Part Rev.	DWG Rev. 3
Sheet	1/1



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 We focus on your success!

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