

PEREGRINE



flexible, small, and air-cooled femtosecond laser system



KEY SPECIFICATIONS

Center Wavelength	[nm]	1030			
Pulse Duration (sech ²)	[fs]	<300			
Beam Quality Factor, M ²	[1]	<1.2			
Repetition Rate Range		single-pulse to 50 MHz			
Example Repetition Rates		100 kHz	500 kHz	1 MHz	10 MHz
corresponding Output Power	[W]	>2.5	>2.5	>5.0	>5.0
corresponding Pulse Energy	[uJ]	>25.0	>5.0	>5.0	>0.5

OPTIONS

- » water cooling (reducing the height of the system to ~80 mm)
- » 10 W output power
- » harmonics generation (515 nm or 343 nm)
- » supply voltage up to 48V
- » WiFi

APPLICATIONS

Medical	Industry	Science
Ophthalmology, Medical Device Mfg.	Micro-Machining	fs LIBS, Multiphoton Imaging

GOOD TO KNOW

The Peregrine laser system sets new standards with respect to performance, compactness and price. It is powered by 24VDC and features an air-cooled, compact housing that integrates everything you need to operate the laser system 24/7.

With its output power of >5W, up to 25µJ of pulse energy, and its pulse-on-demand capabilities, it is the perfect workhorse for your everyday laser tasks!

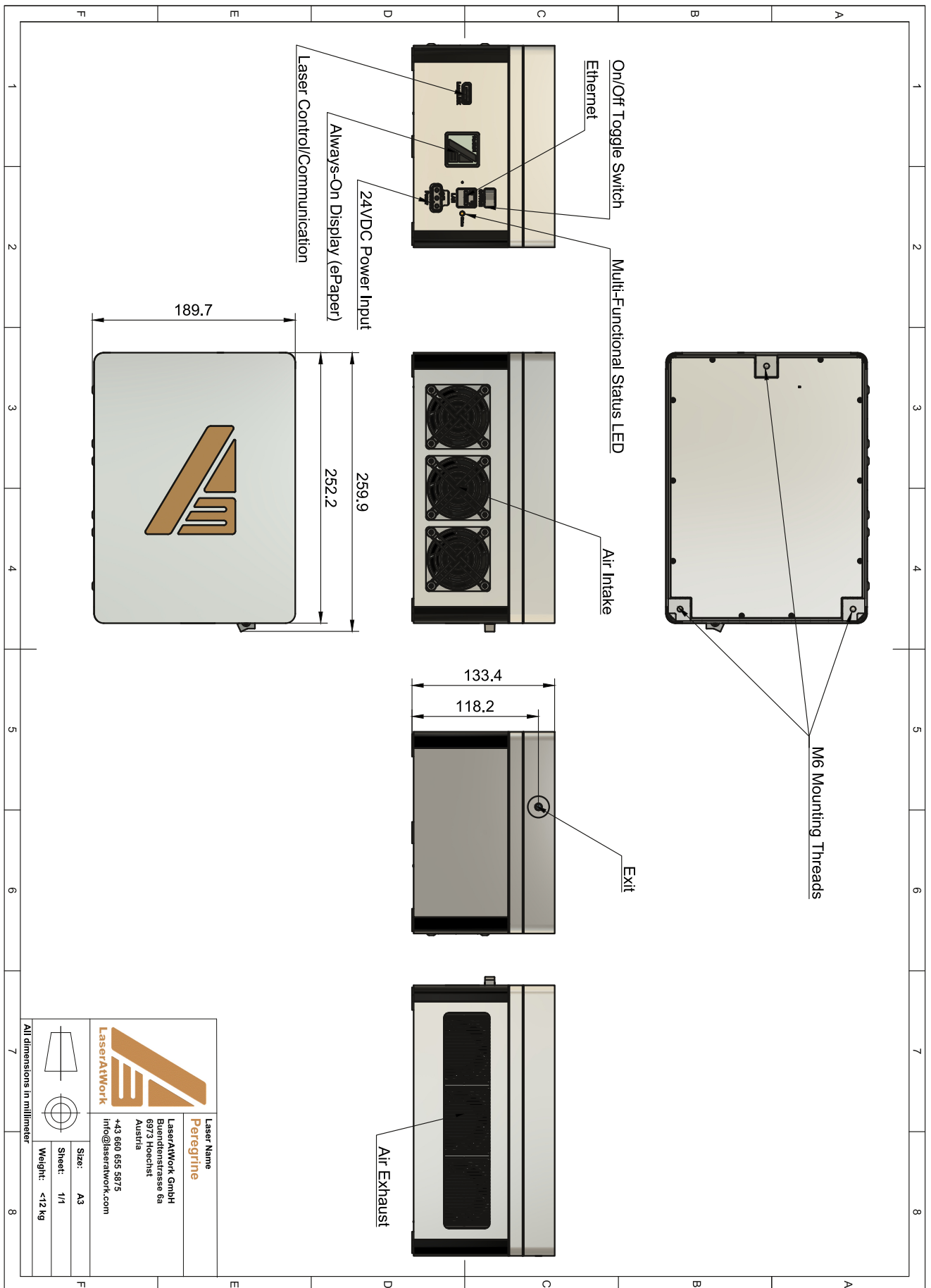
KEY FEATURES


- » 24/7 operation
- » air-cooled
- » pulse-on-demand capabilities
- » everything-you-need inside
- » only 260 (L) x 190 (W) x 133 (H) mm³
- » Interfaces:
1Gbit Ethernet, CAN, RS485, ePaper Display
- » up to 25 µJ / up to 5W
- » single-pulse to 50 MHz
- » no installation required
- » powered by 24VDC
- » cloud-based health monitoring
- » very attractive volume prices



PRODUCT SHEET

LaserAtWork GmbH
 Buedtenstrasse 6a
 AT-6973 Hoechst



	Laser Name Peregrine
	LaserAtWork GmbH Buedtenstrasse 6a 6973 Hoechst Austria +43 660 655 5875 info@laseratwork.com
All dimensions in millimeter	Size: A3 Sheet: 1/1 Weight: <12 kg