

2 D SCAN HEAD

PSH-30-H-W-6000

en | Data sheet | 1.0

- Premium 2-axis laser scan head / 30 mm
- Developed for applications with laser power up to 6000 W (IR, CW)
- Ideal for high-power welding, cutting, drilling and more

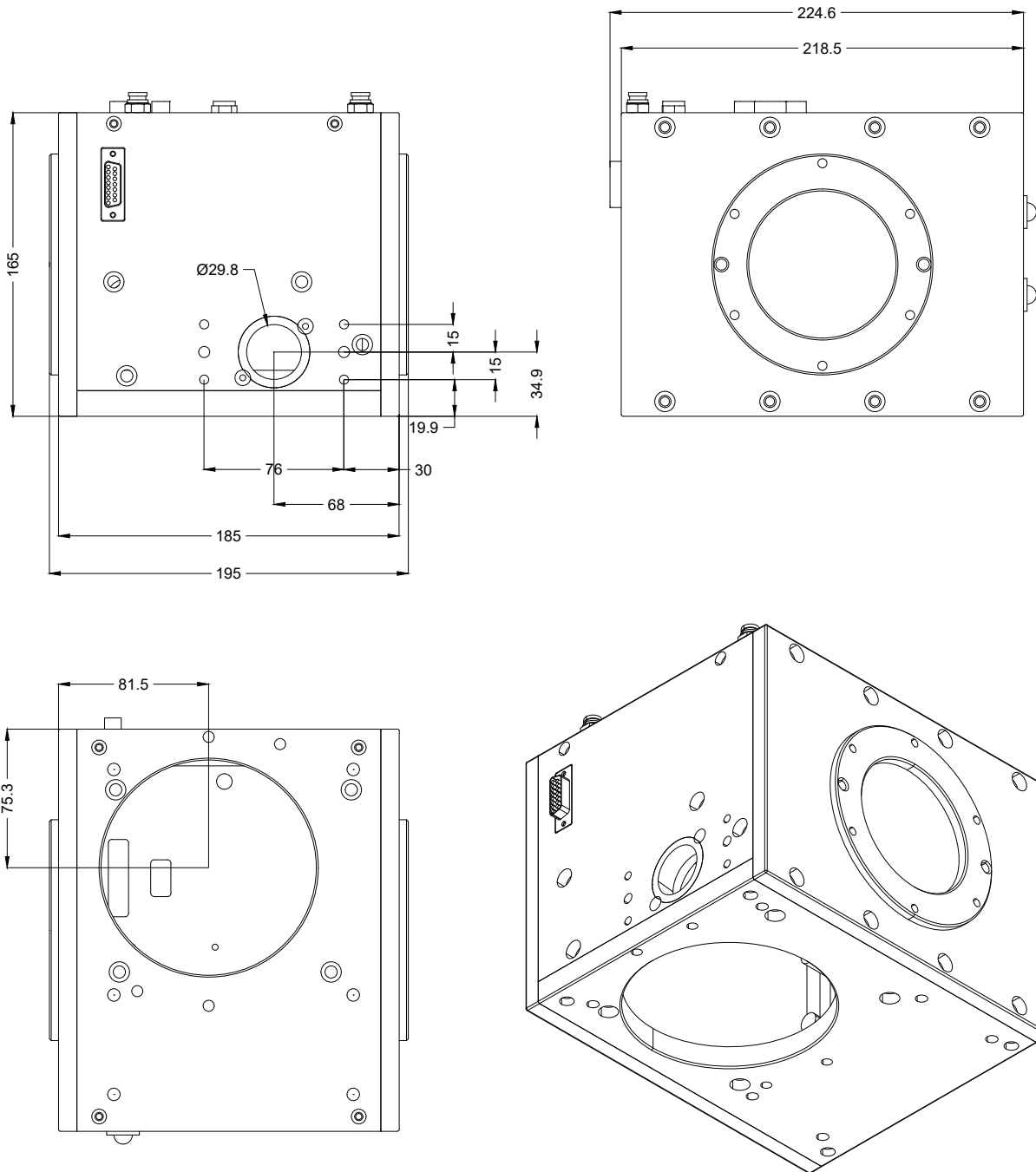


Wavelength	1030 – 1080 nm
Input beam diameter	30 mm
Max. laser power @ 1064 nm CW (<)	6000 W
Tracking delay	0.5 ms
Writing speed	260 cps ^[1]
Positioning speed (<)	8 m/s
Marking speed	1 mm/s
Max. optical deflection (±)	0.35 rad
Resolution	12 µrad
Repeatability (RMS) (<)	2 µrad
Max. gain-drift per axis	20 ppm/K

Max. offset-drift per axis	20 µrad/K
Long-term-drift per axis (8 h) (<)	80 µrad
Cooling method	Water
Cooling flowrate	3 l/min
Control interface	XY2-100
Supply voltage DC	15 V
Current consumption	10 A
Operation temperature	15 – 35 °C
Storage temperature	-35 – 60 °C
Mechanical dimensions (W × D × H)	185 × 218.5 × 165 mm
Net weight	9.2 kg

^[1] f=160 / Hight 1 mm





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Dimensions are given in millimeters and are intended as reference values.
Binding information is available on request.

