

## 2-Axis Deflection Unit

# PSH-14-H-W

- Premium 2-Axis Scan Head
- Outstanding Low Drift
- Highest Repeatability
- Fast Marking Speed
- Laser Power < 1000 Watt



### TECHNICAL SPECIFICATIONS:

#### PSH-14-H-W

Input Aperture	14 mm
Wavelength	355, 532, 1030-1090, 10600 nm
Tracking error time	≤ 0.16 ms
Writing Speed <sup>1 2</sup>	770 cps
Positioning Speed <sup>1</sup>	< 15 m/s
Typical Deflection	± 0.418 rad
Resolution	12 μrad
Repeatability (RMS)	< 2 μrad
Max. Gaindrift <sup>3</sup>	20 μrad/K
Max. Offsetdrift <sup>3</sup>	15 μrad/K

Long-Term Drift (8h) <sup>3</sup>	< 80 μrad
Zero Offset	< 5 mrad
Digital Interface	XY2-100 Protocol
Ambient Temperature	+10 to +40 °C
Storage Temperature	-20 to +60 °C
Humidity	≤ 80% Non-condensing
Voltage	±15 V DC
Current	max. 4 A
Weight	Approx. 4.5 kg
Dimensions L x W x H	178 x 118 x 141 mm
Cooling Method	Water

<sup>1</sup> F-Theta f=163 / field size 120 x 120 mm

<sup>2</sup> Single-strokefont / 1mm height

<sup>3</sup> Drift per axis