

## 2-Axis Deflection Unit

# PSH-20H-W

- Premium 2-Axis Scan Head
- Outstanding Low Drift
- Highest Repeatability
- Fast Marking Speed
- Laser Power < 2000 Watt



### TECHNICAL SPECIFICATIONS:

#### PSH-20H-W

Input Aperture	20 mm
Wavelength	1064, 9300, 10600 nm
Tracking error time	<0.28 ms
Marking Speed <sup>1</sup>	< 2 m/s
Positioning Speed <sup>1</sup>	< 9 m/s
Typical Deflection	± 0.418 rad
Resolution	12 µrad
Repeatability (RMS)	< 2 µrad
Max. Gaindrift <sup>2</sup>	10 µrad/K
Max. Offsetdrift <sup>2</sup>	8 µrad/K

Long-Term Drift (8h)	< 90 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. 6.1 kg
Dimensions L x W x H	195 x 134 x 155 mm
Cooling Method	Water

<sup>1</sup> F-Theta f=163 / field size 120 x 120 mm / 1064 nm

<sup>2</sup> Drift per axis