

## 2-Axis Deflection Unit

# BS-20 F2

- High Accuracy
- Large Aperture
- Competitive Price
- High Power Densities
- Focus Finder with 2 Diodes



### TECHNICAL SPECIFICATIONS:

BS-20			
Input Aperture	20 mm	Long-Term Drift (8h) <sup>2</sup>	< 300 $\mu$ rad
Wavelength	355, 450, 532, 1064, 10600 nm	Zero Offset	< 5mrad
Tracking error time	0.4 ms	Digital Interface	XY2-100 Protocol
Marking Speed <sup>1</sup>	< 1 m/s	Ambient Temperature	+10 to +40 °C
Positioning Speed <sup>1</sup>	< 6 m/s	Storage Temperature	-20 to +60 °C
Typical Deflection	$\pm$ 0.25 rad	Humidity	$\leq$ 80% Non-condensing
Resolution	12 $\mu$ rad	Voltage	$\pm$ 15 V DC
Repeatability (RMS)	< 22 $\mu$ rad	Current	max. 5 A
Max. Gaindrift <sup>2</sup>	80 ppm/K	Weight	Approx. 3.0 kg
Max. Offsetdrift <sup>2</sup>	30 $\mu$ rad/K	Dimensions L x W x H	172 x 125 x 140 mm
		Cooling Method	Passive or Water

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

<sup>2</sup> Drift per axis

<sup>3</sup> After warming-up, variation of ambient temperature <1K