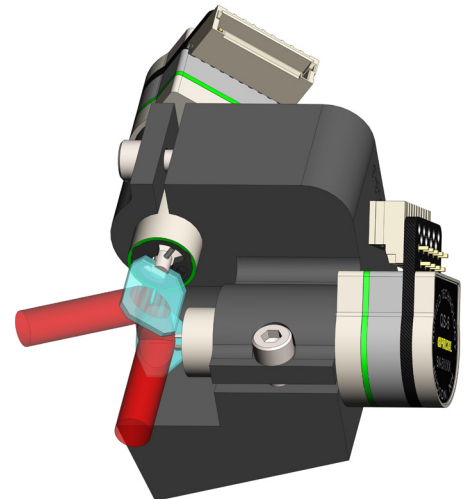
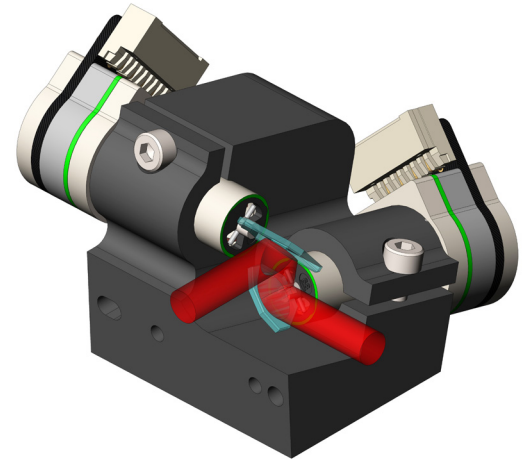


QS-7 XY OPEN FRAME SCAN HEAD

Open Frame Head Series 2-Axis Scan Heads are used for fast and accurate beam steering in XY applications. QS-7 Open Frame Heads are compact, lightweight, and an exceptionally good choice for imaging and laser projection. Their small size allows for very high speed movement while still using Nutfield's best optical position detector technology. Nutfield Technology's open frame scan heads include two galvanometers and two servo amplifiers, mirrors tuned in an XY mount, plus galvo-to-servo-cable sets.

When paired with Nutfield Tech's QD-2000 Servo Amplifiers, the QS-7 OPD Open Frame Scan Heads feature factory-set $\pm 5V$ analog inputs that produce ± 22.5 degrees optical scan angles. The QS-7 OFH is available in 7 mm and 10 mm apertures.

Since 1997, Nutfield Technology has been designing and manufacturing the most advanced galvanometer-based optical scanners, scan heads, laser scan kits, control electronics and software products available. Nutfield Tech offers a wealth of knowledge and expertise to select the proper products suited to any application. Contact Nutfield Technology today for solutions.



SPECIFICATIONS	QS-7 OFH SCAN HEAD
Step Response Time/Linearity	>99.8% @ $\pm 20^\circ$
Operating Temperature	0 to 40° C noncondensing
Storage Temperature	-10 to 50°C
Offset Drift	30 $\mu\text{rad}/^\circ\text{C}$ (3 sigma)
Repeatability	20 μrad
7 mm X Mirror	260 μs
10 mm X Mirror	350 μs
Gain Drift	50 ppm/ $^\circ\text{C}$ (3 sigma)

Mirrors available from stock: Silver (broadband), and YAG (1064 μm).

APPLICATIONS:

// MICROSCOPY
 // IMAGING
 // MARKING
 // MICROMACHINING
 // DENTAL ABLATION

// OPTICAL COHERENCE TOMOGRAPHY
 // LASER LIGHT SHOW & PROJECTION
 // HIGH SPEED SCANNING
 // INDUSTRIAL PROCESSES

