

OPTOFORM[®] 40 - Laser Head Alignment

1. Verify the results of steps 1 through 11 in the previous Scale Cleaning and Alignment Procedure.
2. Slightly loosen the two M5 socket fasteners that mount the Laserhead.
3. Carefully hold the Laserhead between the thumb and forefinger and rock the head while monitoring the scope screen. As the Laserhead azimuth varies with respect to the scale, the lissajous pattern will increase and decrease in amplitude. Adjust and tighten the Laserhead at the azimuth position that provides a pattern amplitude of 1.6 Vp-p or more.
4. Reconnect the Slide Brake airline to its BRAKES OFF (SOL2) output.
5. Turn the ESTOP switch OFF (knob out), RESET the Control, and JOG the carriage from one end to the other to verify that the pattern is consistently above 1.6 Vp-p and no axis errors occur.
6. Replace the covers on the front of the machine and the side of the carriage.