

MICROMACHINING

LASER HEAD

Laser Mechanisms' Micromachining Laser Head delivers fine kerf cutting for the precision manufacturing of small parts. Engineered as a rugged, industrial-style unit for use in the medical processing field, the Micromachining Laser Head is capable of consistently delivering kerf widths as low as 8 microns in stainless steel. And the head delivers a true perpendicular laser beam for clean cuts without angle. Easily retrofitted to existing laser heads, the unit also conveniently mounts on a variety of lasers, including fiber lasers, by simply changing the X-Y mount plate.

Features

- Independent adjustment of laser beam and view port
- Laser safety protection through view port
- X-Y tip centering
- X-Y adjust and lock feature on incoming beam
- Precision three element lens set – corrected for vision use
- External focal point to gas jet tip adjustment with a range of .350"



- 10X, adjustable eyepiece with fine grain crosshair
- *View While Lasing* feature
- Nikon® optical system

Specifications

Laser Power	500 W (max.)
Clear Aperture	(0.98") 25 mm
Fine Focus Adjust (Micrometer)	(1.0") 25.4 mm
Laser Wavelength	1.06 microns
X-Y Centering (Head on Laser Faceplate)	(± 0.1") ± 2.54 mm
Weight	(7.9 lbs.) 3.6 kg



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