

ACCUFIBER

HEIGHT SENSING HEADS

Laser Mechanisms' AccuFiber Height Sensing Cutting Heads provide constant, automatic height control of the tip standoff through capacitive sensing of the material while cutting. The availability of various tip extension lengths provides adaptability to almost any focal length. Offered parfocal versions can accommodate multiple focal lengths without changing the overall length of the head. Adjustments are available for focus and standoff, as well as X-Y centering of the lens and/or cutting tip.

Features

- Magnetic breakaway crash protection
- Selectable and programmable range of standoff distances
- Height control motion is provided either by the customer's own machine axis or by a compact motor-driven slide supplied by Laser Mechanisms
- Easily converted at the breakaway flange to a welding head with air knife



PLFDH0027/PLYDH0273 SHOWN

Specifications

Clear Aperture	35.5 mm
Laser Power (water cooling provided above 1 kW)	Unlimited
Static Accuracy (Set Point)	± 0.1 mm
Dynamic Accuracy	± 0.025 mm per 50 mm per minute of vertical change
Total Accuracy	Static + Dynamic
Repeatability	± 0.1 mm
Weight	3.2 kg



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