

ACCUFIBER

PARABOLIC WELDING HEADS

Laser Mechanisms' AccuFiber Parabolic Welding Heads provide exacting performance in high-power laser welding applications. Parabolic heads use a reflective mirror to focus the laser beam instead of a transmissive lens. The parabolic mirrors are designed to deliver increased durability and performance, particularly with higher power lasers and harsh working environments. Made of highly-polished copper which is easily cleaned, the parabolic mirrors have an optics coating for one micron which is 99.2 percent reflective – virtually eliminating focal shift. The assembly also includes an air knife and a positive purge port to protect the optics from debris. A thermal interlock switch further protects the head against excessive heat buildup from the process. An included swivel plate allows the head to be positioned at various angles.

Features

- Direct-cooled optics
- Choose from a range of focal lengths
- Custom features, such as dual-spot optics, also available



PLPDS0149 SHOWN

Specifications

Clear Aperture	48 mm
Laser Power	up to 30 kW
Air Knife Gas Pressure	3 BAR
Mirror Adjustment	± 1°
Cooling Flow Rate	1 l/min.
Weight	8.2 kg



Laser Mechanisms, Inc.
25325 Regency Drive
Novi, Michigan 48375
Phone: (248) 474-9480
Fax: (248) 474-9277

Laser Mechanisms Europe NV
Groenestaakstraat 59
B-9030 Mariakerke, Belgium
Phone: +32 (0)92 18 70 70
Fax: +32 (0)92 18 70 79

Internet
Web: www.lasermech.com
E-Mail: info@lasermech.com