LASER OPTICS

Beam Delivery Components







Laser Optics

Beam Delivery Components

Since 1992, Haas LTI has developed, designed, and manufactured industrial laser components for companies worldwide. As an industry leader of custom-built high precision laser beam delivery systems and laser delivery components, the innovative design team at Haas LTI has the knowledge and experience required to provide a robust, reliable laser beam delivery solution.



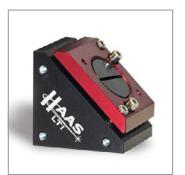
Laser Head PHA-series

- Available for all wavelengths
- Anodized aluminum & stainless steel construction
- Focal lengths in the range of 1.5'' 7.5'' possible
- X-Y focus lens adjustment
- Assist gas pressure: max. 7 bar



Laser Head G1-Series

- For laser up to 1000 W
- Focus lens in cartridge system for easy mounting
- Process gas up to 8.8 bar
- Modular design
- All metric stainless steel hardware



Kinematic Beam Bender Unit BBK

- 90° beam displacement
- ± 2° independent orthogonal mirror adjustment
- Available for all wavelengths
- Sealed design
- Easy optic removal/replacement

Laser Optics

Crash Detection CP

- Provides X,Y, & Z axis crash protection
- 4 mm Z-axis travel
- Self-resetting
- Hardened steel locating pads
- Sealed design
- Small package

Circular Polarizer Unit CPU

- To convert the laser beam from a linearly polarized beam to a circularly polarized beam.
- Designed for CO₂ lasers (10.6 µm)
- All mirrors included
- Anodized aluminum construction

Beam Expander BEC

- Machined from aluminum, brass & stainless steel
- Fixed overall length for easy mounting
- Sealed design
- Galilean telescope design ensures minimum aberration
- Easily removable optics for cleaning & expansion changes













Get in Contact

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