

DBCH-1500

Deep Bore Clad Head Product Specification

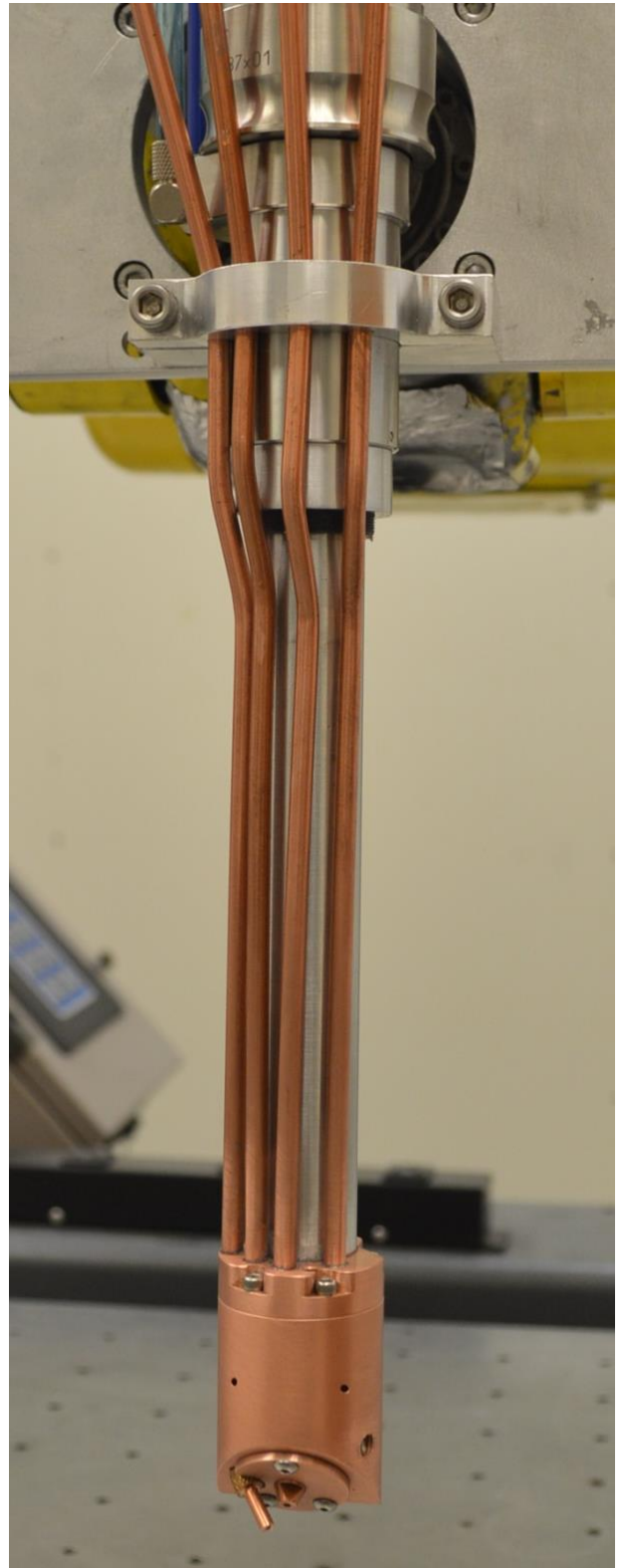


The DBCH-1500 is a rugged, versatile laser cladding tool ideal for bores or tubes. A wide range of powder materials can be used for high quality coatings.

This tool is rated for 1800 watts of laser power for continuous operation. 75+% powder capture efficiency and excellent optic life make this a very economical tool. The head features a unique 45° laser beam exit angle which allows cladding of both cylinder walls and seating surfaces, and greatly reduces back reflections into the head.

Benefits / Advantages

- 9" (230mm) maximum clad depth
- High power (1800 Watt) / high deposition rates
- Able to clad internal diameters as small as 1.5 inches (38.1 mm)
- Compatible with solid state lasers such as Nd:YAG/Disk or Fiber lasers
- Excellent powder capture efficiency
- Stays cool even when operating at full power in a preheated bore
- Produces excellent clads in any orientation without changing process parameters
- Coaxial gas provides shielding and prevents damage to optics
- Compatible with QB, QD, or Q5 fiber optic cables
- Compatible with any powder feeder



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The unique 45° beam angle makes the clad head a very versatile tool. It is able to clad almost any surface, including ID's, OD's, inside conical shapes, flat surfaces, corners... all without making adjustments to the head.

