



# AMBIT™ EHLA

## High-speed LMD Head

*Extreme High-speed Laser Addition (EHLA)  
head for CNCs and robots*

### Description

The AMBIT™ EHLA head provides precise, high-rate deposition of metal, MMCs, and non-metals especially well suited to rapidly apply thin metal coatings:

- Up to 10x increase over conventional LMD coating speeds by depositing ultra-thin coatings (down to ~120 microns) with full metallurgical bond
- Up to 10x reduction in as-deposited surface roughness (as low as Rz 10-25 µm)
- Also suitable for building or repairing fine-detailed parts with the highest metallurgical quality and minimal heat affected zone
  - Ideal form factor for reaching into tight spaces
  - Compatible with AMBIT™ MULTI and FLEX deployers

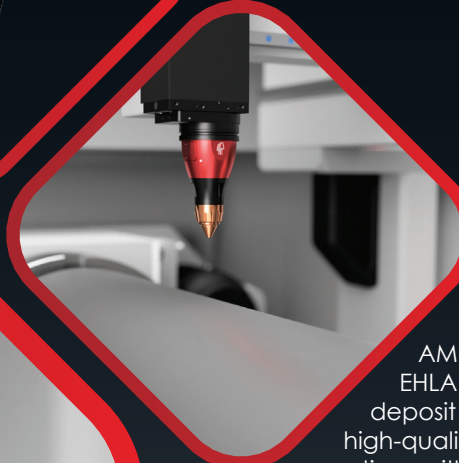
AMBIT™ MULTI EHLA head



AMBIT™ MULTI  
EHLA in CNC  
machine



AMBIT™  
EHLA can  
deposit thin,  
high-quality  
coatings with  
minimal heat effects  
on substrate



AMBIT™  
MULTI EHLA  
loaded on a  
gantry



Shallow melt pool  
penetration into substrate  
enables high traverse speed  
and deposition rate

