



HYBRID[™]
MANUFACTURING
TECHNOLOGIES

AMBIT[™] FLEX 20 & 30 LMD Head

*Tool changeable Laser Metal
Deposition, LMD, heads for
printing from your CNC spindle*

Description

AMBIT[™] FLEX 20 and FLEX 30 heads provide the ultimate flexibility for optimal deposition of metal, MMCs, and non-metals:

- Use these heads in your CNC spindle; Swap from adding to finishing with a tool change
- Thermally stable for continuous use with 1.5 kW of laser energy, monitored with multiple sensors
- High-access nozzle style with local shielding enables quality deposition without compromising feature access

These LMD heads provide deposition directly in line with the spindle centerline making them a must-have for 5-axis CNCs and desirable for all CNC users that want simplified CAM programming and to maximize their working envelop.

When not in use, AMBIT[™] FLEX heads store in the CNC tool magazine



AMBIT[™] FLEX 30
LMD head in a
CNC spindle



AMBIT[™] FLEX heads are supplied by an AMBIT[™] FLEX Dock



Self-aligning nozzles are easily swappable



AMBIT[™] FLEX heads are interchangeable with cutting tools or other AMBIT[™] FLEX heads for end-to-end process automation