

Renishaw AM250 Metal Additive Manufacturing (3D Printing) System

AM250 Benefits

- Internal features, lattice structure and thin walls
- A range of metal powder feedstocks to choose from
- Complex component production in a range of metals - geometry is not constrained by traditional manufacturing design rules
- Light weight - optimum use of material only where it is needed
- Efficient material usage - minimal waste compared to subtractive machining
- Rapid design iterations right up to manufacturing
- Open parameters

Specifications

Key specifications of Renishaw AM250 laser additive manufacturing systems:

- Reliable fiber laser in 200 W power:
 - High precision with 70 μm focal diameter 200 W laser
- 250 mm \times 250 mm build area and up to 300 mm deep
- Low argon consumption; as little as 10 liters/hour when running
- Vacuum chamber purged with argon gas to create inert atmosphere especially for very reactive powder, such as titanium and aluminum
- Flexible material use, can process materials such as stainless steel, titanium, aluminum, cobalt chrome and other inconel-based alloys

