

# ADDITIVE MANUFACTURING CONSULTING SERVICES

## LASER POWDER BED

TECHNICAL SUPPORT  
APPLICATION ENGINEERING  
MARKET DATA / START UP

Powder Metal Technologies (PMT) announces a new line of consulting services in support of additive manufacturing. At PMT our core competency is Laser Bed AM, which uses metal in powder form as raw material. PMT offers technical consulting, commercial guidance - and marketing tactics. For new industry entrants, we fuse all three aspects into a comprehensive business strategy. Whatever your challenge or need – PMT is your full service provider.

### **Additive Manufacturing Technical Support**

- Processing support including powder feedstock, parameter selection (including non-standard materials), build orientation and support structures
- Powder Technology & Powder Selection
- **Metallurgical Support** including microstructure (powder, parameters and shielding gas effects), mechanical properties
- Secondary Thermal Processing such as HIP, Heat Treatment
- General AM Process Trouble Shooting
- Non – Destructive Testing Methods
- Quality Improvements such as process repeatability, overall product consistency, ISO / AS 9001 guidance

### **Additive Manufacturing Application Engineering**

- Evaluate your component for AM process feasibility (including mechanical requirements)
- Compare your component to other PM processes (Die Compaction, Metal Injection Molding, CIP, HIP) to insure you are making the correct processing / fabrication decision
- Design for Manufacture (DFM)
- Evaluate Powder Technology & Powder Selection Options
- Learn how to resolve AM Component Qualification Challenges

### **Additive Manufacturing Market Data / Commercial Guidance**

- Develop accurate Cost Models
- Component Pricing Strategies
- Internal & External Market Data on the AM industry
- Identify White Spaces in the Marketplace
- Technical Transfer (CAPX / Spec. Equipment) / Startup
- Manufacturing Operations



### CONTACT

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