

ADVANCED MATERIALS DEVELOPMENT & TESTING FOR ADDITIVE MANUFACTURING

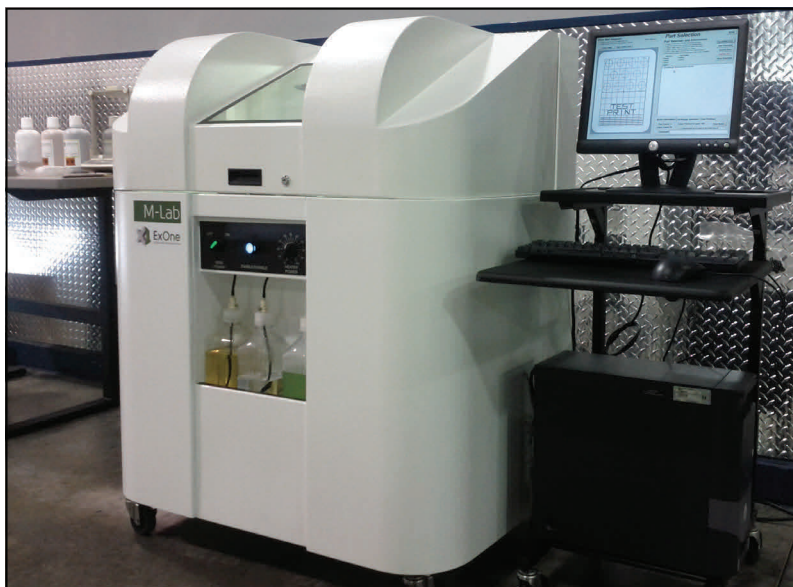
ADDITIVE MANUFACTURING IS A METHOD FOR BUILDING UP 3D STRUCTURES, LAYER BY LAYER.

ADDITIVE MANUFACTURING ADVANTAGES:

- Significantly reduce development times
- Elimination of costly and long lead-time tooling
- Manufacturing flexibility
- Production labor savings
- Less material waste and energy consumption
- High throughput of complex geometry parts

CERALINK 3D PRINTING CAPABILITIES:

- Printing feasibility studies
- Drying, binder burnout, and sintering studies
- Formula development– binders and powders
- Characterization of finished parts or samples
- Physical and mechanical properties
- Manufacturability & cost analysis
- Production equipment guidance



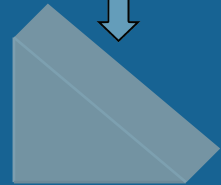
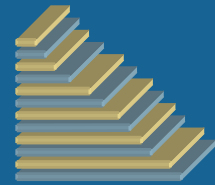
APPLICATIONS

Ceramics

- Investment casting
- Catalyst supports
- Bioceramics
- Medical devices
- Filters
- Semiconductor
- Prototypes
- Refractories

Metals & Composites

- Light-weighting
- Automotive
- Aerospace/Defense



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