



# ADDITIVE MANUFACTURING FACILITY

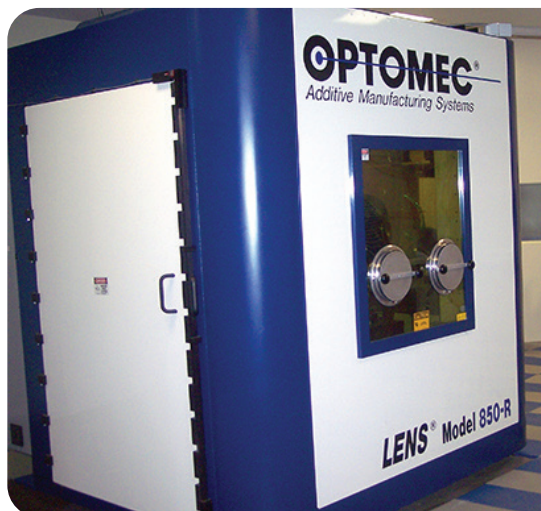
## LABORATORY INFORMATION FACT SHEET

### CONTACT US:

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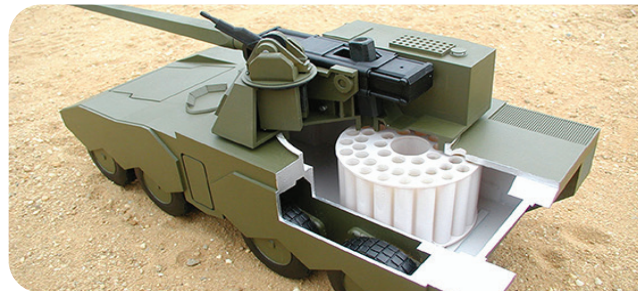
*DEVCOM Benét Laboratories has extensive experience and capabilities in the area of additive manufacturing that spans multiple manufacturing technologies, materials, analysis, part conversion and forensics.*

### TECHNOLOGY/FACILITY DESCRIPTION:

Research efforts include new materials, processes, and evaluation of additively manufactured components. Past efforts have included metal parts via directed energy deposition (LENS) methods, and plastics via polyjet, fused filament fabrication and stereo lithography.

New efforts are looking at bound metal printing where a part is printed via fused filament fabrication and then sintered to full metal.

The lab is spread across three areas. The first focuses on production support and prototyping. The second focuses on metal parts (new and repair) via LENS. The third is focused on research into new processes and methods to evaluate printed parts.



### EQUIPMENT AND EXPERTISE AVAILABLE:

- Modified Optomec 850-R LENS System with 4 deposition heads
- MarkForged X7
- 3D Systems SLA-Viper
- Stratasys Dimension-Elite
- Stratasys Fortus-250mc
- Stratasys Objet500-Connex3
- Ultimaker 3
- Makerbot Method X Carbon Fiber
- LulzBot Taz 6
- MarkForged Mark 2
- Ultimaker S5
- AON3D M2
- MarkForged Metal X
- Metal Additive Manufacturing
- Plastic Additive Manufacturing
- Bound Metal Additive Manufacturing
- Component Conversion
- Component evaluation and repair
- Material analysis
- Prototype fabrication
- Process development
- Facility design and setup
- Non Destructive Evaluation of printed parts