



PRODUCT DEVELOPMENT LABORATORY

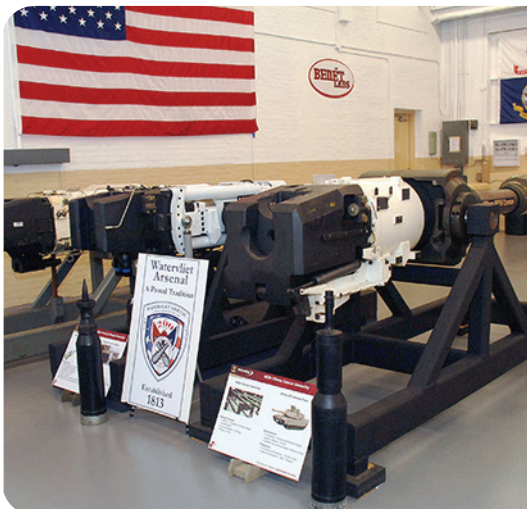
LABORATORY INFORMATION FACT SHEET

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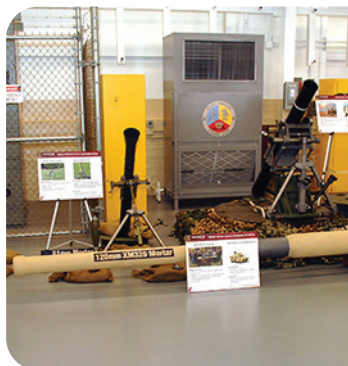


The Product Development Laboratory (PDL), located at WSEC Benét Laboratories, is a 10,000 square foot climate controlled facility.

TECHNOLOGY/FACILITY DESCRIPTION:

This laboratory comprises an area of roughly 14 square meters. Access is very easy through the use of the 12 foot high x 14 foot wide overhead door. The facility has compressed air, electrical power, crane support, parts washer, and sink. Mortar, Recoilless Rifle, Direct and Indirect Fire Weapon Systems, as well as ballistic cannons/

tubes, can be displayed, as well as their subcomponents assembled, disassembled, and functionally tested. The PDL has numerous calibrated inspection gages and equipment. Examples of various tests performed include, but are not limited to, Vertical-Drop, Primer Injection, Breech (slide and screw-block) Operation and Spring Characterization.



EQUIPMENT AND EXPERTISE AVAILABLE:

- 5 Ton Crane
- 2 Ton Crane
- Five 4 Ft. Slings
- Five 8 Ft. Slings
- Five 12 Ft. Slings
- Parts Washer
- Sink
- Compressed Air
- Two 30 Inch X 120 Inch Tables
- Two 36 Inch X 72 Inch Tables
- Three 30 Inch X 96 Inch Tables
- One 48 Inch X 96 Inch Table
- Inspection Gages
- Locked Storage Area
- Component(s) Assembly / Disassembly
- Component(s) Inspection
- Cleaning of Components
- Functional Test and Evaluation
- Data Collection Capability
- Kubota RTV-XI100C