



# 2ND LT. JOHN T. WROBLEWSKI PYROTECHNICS RESEARCH AND TECHNOLOGY COMPLEX

## LABORATORY INFORMATION FACT SHEET

### CONTACT US:

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*The 2nd Lt. John T. Wroblewski Pyrotechnics Research and Technology Complex is a state of the art energetics laboratory and pilot scale manufacturing facility.*

### TECHNOLOGY/FACILITY DESCRIPTION:

This 27,000 square foot facility broke ground in 2006 and was turned over to DEVCOM in 2010. This facility allows the US Army to perform complete lifecycle pyrotechnic engineering on all pyrotechnic formulations, sub assemblies and full up pyrotechnic munitions.



### EQUIPMENT AND EXPERTISE AVAILABLE:

- Light Tunnel
- Spectroscopy
- Calibration
- High Speed Camera
- Spectral Imaging
- Sensitivity Testing (Impact, ESD, Friction)
- Closed Bomb
- Bomb Calorimetry
- Delay Testing
- DSC/TGA
- Particle Size Analysis (Roadtap and Microtrac)
- Surface Area Analysis
- SEM
- Primer Ball Drop Sensitivity
- Energetic Pressure vs Time
- Instron (Stress/Strain/Shear)
- Machine Shop (Lathe/Drill Press/Milling/Bad Saw)
- Welding
- Tracer Spin Chamber
- Smoke Chamber
- Sieving
- Granulation
- Weighing
- Mechanical Mixing
- Resonant Acoustic Mixing
- Ultrasonic Mixing
- Tumble Dry Mixing
- Wet Hobart Lancaster Mixing
- Wet Simpson Mix Mueller
- Jet Milling
- Roll Milling
- Hammer Milling
- Pressing
- Extruding
- Drying
- T&H Conditioning
- Remote Control Operations