

Warheads and Special Projects

American Ordnance LLC, operator of the Iowa Army Ammunition Plants, has safely pressed more bonded plastic explosives than anyone else in the world. Capabilities support a full range of ammunition items including explosive forming and missile warhead assembly.

American Ordnance has the ability to press warheads up to 25 inches in diameter, machine them to final configuration, test fire, diagnose performance and adjust designs to achieve desired results. Highly trained engineers and technicians work with customers to significantly reduce the time and costs involved in taking a system from concept to production. With half a century of loading and testing experience, American Ordnance's processing expertise extends throughout the full range of explosives, including:

- LX-04,10,14,17
- Castable PBX's
- HNS
- Comp A3 & A5
- PAX- 2A,3,30,42
- TNT
- Comp B & H6
- PBXN-3,5,7,9,10,11
- Octol
- Various new explosive formulations
- HTA3

Many industry standard pressing techniques and technologies were developed at the Iowa Army Ammunition Plant. Items that have been pressed include Hellfire, Longbow, Javelin, Viper, Tow 2A and 2B, Sidewinder, Tank Warheads, Viper, WAM, GSTAMIDS, XM982 Excalibur, and numerous development billets. Pressing capabilities include:

- 5 Ton
- 30 Ton
- 50 Ton
- 100 Ton
- 300 Ton
- 500 Ton
- 800 Ton
- Air-Operated Presses, 1/2 to 5 ton
- 30 Ton Semi-Automatic Hydramet
- 30 Inch Hydrostatic Press
- 3 MEV Varian/VJ Technologies Digital X-Ray for nondestructive inspection
- Coordinate Measuring Machines – Mitutoyo and Brown & Sharp to measure explosive billets.



CNC Lathe



800 Ton Press



CNC Mill



Various Billets



American Ordnance

We do what we say.®

American Ordnance LLC – Iowa Army Ammunition Plant
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