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AZOTH FIREARMS AND DEFENSE

AZOTH is a manufacturer of small complex metal parts using the latest binder jet 3D printing technology. With tolerances and surface finish comparable to MIM, Azoth can cost effectively handle prototype through serial production for your critical components without the mold. Operating to MPIF 35 standard, these parts are ready for your products.

Placing your confidence in Azoth is knowing you're partnered with the leader in Binder Jet Manufacturing.

WHY AZOTH?

- Manufacturing lead time shortened to put parts in your hand as fast as 7-10 days.
- Materials follow MPIF 35 like traditional MIM components.
- Tolerance manufacturing of +/-0.5% to 1% in production.

0.005" (0.127mm) on most parts.
0.003" (0.076mm) achievable on special features.

Post Machining available for tighter tolerances.

- Target Volumes:
15 to 30,000 parts
- One solution from prototype through production.

MATERIALS

- 17-4PH
- 316L
- D2 Tool Steel
- Pure Copper
- We follow MIM, MPIF 35, ASTM B883 and ISO 22068.

POST PROCESSING OPTIONS

- Cerakote
- PVD Coating
- Black Oxide or Nitride
- Posting Machining
- Blasting
- Polishing
- HIP
- Heat Treatment (H900, H1100, etc.)

ENGINEERING

- Part Consolidation
- Design for additive manufacturing: **Azoth engineers will work with you to ensure part success.**
- **Mass reduction** via lattice structures and generative design.

