

# **HERNON**®

**HERNON-AMMOSEALING.COM**

ADVANTAGES OF **HERNON'S**  
EXTERNAL AMMUNITION  
SEALANT TECHNOLOGY



**Over 90% of the world's leading ammunition manufacturers benefit from Hernon's technology.**

#### **Reduces standard deviation and extreme spread of bullet velocity**

- Smooths over and homogenizes bullet pull strength
- Improves shot grouping precision
- Flattens bullet trajectory

#### **Increase/Adjust bullet pull strength**

- Augments physical crimping
  - Reduces risk of bullet set-back
  - Provides control over chamber pressures and pressure variance
- Potential to replace crimping effects for selected ammunition types
  - Select types:
    - Frangible ammunition
    - Match grade ammunition
    - Sniper rounds
  - Eliminate crimping variance
  - Simplify and speed up production processes
  - Eliminate cost of crimping machines and cannellure machines/design and maintenance
    - Improved aerodynamic design
    - Improved target penetration due to undamaged bullet structure

#### **Complete powder burn**

- Reduces/eliminates muzzle flash for long guns
  - Reduces/eliminates shooter blindness
  - Reduces/eliminates secondary propellant explosion
    - Projectiles will be less likely to be knocked off barrel trajectory from muzzle flash turbulence/crown kick
- Increases projectile energy
  - Increases velocity
    - Reduces wind drift due to reduced projectile flight time
  - Increases range

#### **Reduces gun maintenance**

- Reduces rifle fouling when compared to asphalt sealants
- Eliminates suppressor clogging due to bitumen residue

#### **Waterproofs cartridges to one full atmosphere**

- Move in and out of water environments without damage to ammunition
- Extend ammunition life-span
  - Reduced risk of damage from humidity or flooding

**ALL OF THIS FOR A FRACTION OF A PENNY PER ROUND!**

**MORE RELIABLE AMMUNITION AND AT A LOWER COST THAN TRADITIONAL SEALING METHODS!**



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Hernon's ammunition sealing process is a preliminary match for **SCAMP** (Small Caliber Ammunition Modernization Program) line improvements due to cost reductions and fast processing speeds

Successfully converted Manurhin® to 400ppm

Developed a 2000ppm machine

Hernon® sealants are environmentally friendly with no solvents

Move from batch to continuous process

Improved performance

Decreased cost

Smaller equipment footprint

Decreased re-work

Reduced daily machine maintenance

Provides pathway to future ammunition technologies including plastic casings and frangible ammunition

Hernon® sealants already specified on some government drawings

