

NOTABLE CUSTOMERS



• SEALANTS FOR ALL SIZES & TYPES OF ORDNANCE RANGING FROM SMALL CALIBER ROUNDS, BLANK & FRANGIBLE ROUNDS, SHOTSHELLS, GRENADES TO MORTAR ROUNDS

• HERNON® IS A SINGLE SOURCE, TOTAL SOLUTIONS PROVIDER:
- IN-HOUSE R&D FOR CHEMICAL MFG.
- IN-HOUSE R&D FOR EQUIPMENT MFG.

• CUSTOMIZED SEALANT FORMULAS & DISPENSING / APPLICATION SOLUTIONS

• UV LED RAPID CURING

• IMPROVED AMMUNITION RELIABILITY

• ISO-9001 REGISTERED

• MIL-SPECS:
- A-A 3097 - A-46106A
- I-17563C - R-46082B
- S-46163A - ASTM D5363
- A-46050C - S-22473E



121 TECH DRIVE, SANFORD FL 32771
PH: 407-322-4000

HERNON.com

HERNON®

Formulating Solutions

AMMUNITION SEALING GUIDE



WATER, ENVIRONMENT & SOLVENT
RESISTANT
AMMUNITION SEALANTS



PRECISION DISPENSING VALVES



INSTANT UV LED CURING LAMPS



COMPLETE CUSTOM AMMUNITION
SEALING SYSTEMS



EXTERNAL AMMUNITION SEALANTS

- One part, low viscosity, UV and anaerobic curing sealants for sealing primers and casemouaths
- Exceeds US Army, US Navy and NATO wet and desert atmosphere leak tests minutes after application
- UV Curable in 3-7 seconds
- Excellent solvent, environmental and heat resistance
- Variable bullet pull strengths available



AVAILABLE IN CLEAR, RED, GREEN, BLUE AND BLACK

Blank Ammunition Sealants

- Medium or high viscosity, UV curable compounds for coating and sealing blank ammunition tips
- Cures upon exposure to UV light in 4-10 seconds
- Sealant discharge particles will not perforate a paper witness upon discharge

Bullet Proof 650

- Environmentally friendly, asphalt based ammunition waterproofing sealant
- Water based - Room temperature cure - Stays pliable
- Approved by the US Army for small caliber ammunition

Shot Shell Solutions

- **Primer & Battery Cup External Sealants** - See HERNON® External Ammunition Sealants above.
- **Crimp Sealants** - Crimp sealants for buffer retention, water resistance and waterproofing. Sealant options include UV curable, acrylic/water-based or solvent-based

Grenade Fuse Sealant 40995

- One part, low viscosity, UV and anaerobic curing
- Cures to a high performance thermoset plastic suitable for temperatures of -40°F to 400°F (-40°C to 204°C)

AMMUNITION SEALING SYSTEMS

- HERNON® Ammunition Sealing Systems precisely seal and cure projectiles and primers on a wide variety of ammunition sizes and calibers with **HERNON's Sureshot® 3510** microjet dispensing valves and **Ultracure®** UV curing technology
- **Sureshot® 3510** valves: capable of cycling > 500 shots/min
- 100% vision inspection
- Automatic bowl feeder loading
- Packaging solutions available

Autosealer® 5500

- 300 ppm
- 9mm - .50 cal; Switch calibers in minutes
- Seals blank ammunition



Autosealer® 5200 Series

- Seals 9mm to .50 cal and blank ammunition
- Multiple models available from 60 - 240ppm



Autosealer® 5226 With Optional Loader

Autosealer® 5220

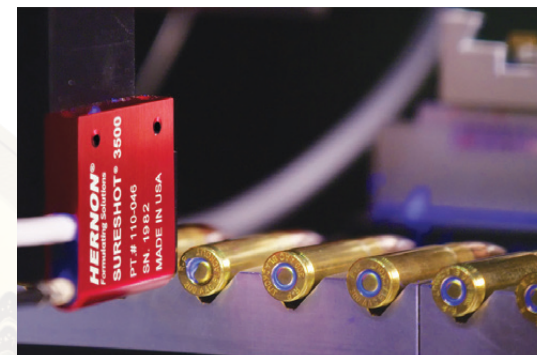
- Benchtop ammo sealing system
- Seals up to .50 cal; 20ppm
- Ideal for small production environments, R&D testing or qualifying runs



DISPENSING & UV LED CURING EQUIPMENT

Dispensing Valves

- **Sureshot®** valves dispense with precision and repeatability to support high production volumes



UV LED Curing

- **Ultracure®** and **Ultraspot®** UV LED curing lights cure sealants in seconds
- Intrinsically safe IP67 models available



Retrofit Existing Equipment

- Update and modify current equipment with new and efficient HERNON® valves/components
- Typical retrofitting kits include reservoirs, dispense valves, UV LED curing lights & pulse follower controllers



R125 Reservoir

Auto Elevator:
Bowl Feeder EL 240C