

**Ozarks
Gunsmithing
Company**
offers several
brochures and
flyers written to
be informative
and educational
on various gun
topics.

Available Topics are:

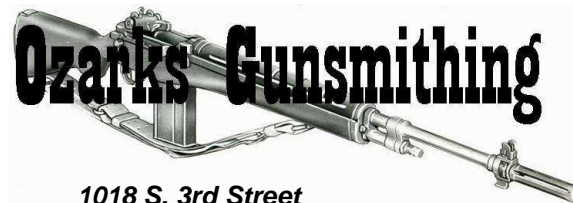
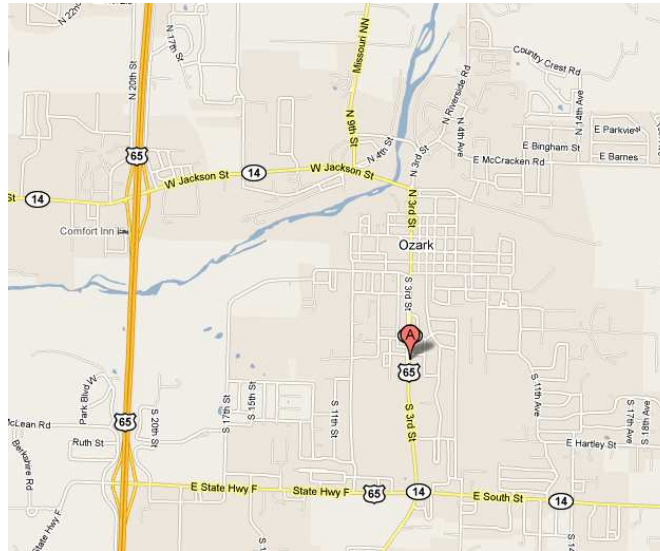
- Fix All Your Guns
- Cleaning
- Firearm Restoration
- [Bluing, Parkerizing, and Coatings](#)
- Firearm Enhancement
- CCW Guide
- Sights and Scopes

Other topics will be covered as our customers ask more questions and need to have straight up answers based upon our decades of experience.

Always feel free to ask questions. We really do not consider any question a dumb one.

Easy Access

Located in **Ozark, Missouri** with easy access from Highway 65, Highway 14, and Highway F. on Business 65 or South 3rd Street.



Ozarks Gunsmithing

1018 S. 3rd Street
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417.343.7579
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**Good Old
Fashioned
Service !**

Firearm Coatings



**Servicing
ALL of your
Firearms!**



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Hot Salt Bluing

The proper application of Hot Salt Bluing is an art form. It is a delicate process that requires an understanding of metrology, chemical interaction, and process. It is the most prevalent of finishes, involving special chemicals, precise heat and timing applied with an end result of a dark midnight blue tone or if needed, a plumb /rust finish. It is a time honored process that has been used for over two hundred years to preserve, protect, and add beauty to gun steel. Once the firearm has had repairs completed, the general process of bluing is as follows:

- Disassemble and thoroughly clean the firearm removing all previous bluing, oil, gun powder, brass/metal shavings and other contamination.
- Begin the process of removal of rust, pits, blemishes, gouges, and repair the internals of the barrel and chamber.
- Polish the metals to produce the required finish before bluing.
- Because of proprietary processes we cannot disclose the actual bluing process, however, the activity includes lowering the specific gravity of water with specific chemicals, controlled salt temperatures approaching 300 degrees, and multi-staging of the metallic substrates.
- Once the actual bluing process is complete, the process is stopped using special chemicals and the curing process begins. This could take several days.
- After curing, the parts are cleaned and carefully inspected. It is then determined to approve the bluing or start the process over again to achieve the desired results.

This is a difficult and exacting process that can be toxic, dangerously hot, and potentially explosive. Extreme caution coupled with years of experience helps ensure a successful and safe process.

Cold Bluing

There are literally hundreds of cold blue chemicals on the market. With the exception of perhaps a screw end or a small internal part, cold bluing should not be used. Problems include:

- Inconsistent coverage and streaking of finish.
- Poor resistance to firearm cleaning chemicals
- Have been known to turn rancid and rust
- Does not last and wears off easily

Parkerization

Parkerizing is a hot chemical process utilizing either magnesium or zinc oxide with specially applied metals creating a grayish textured finish on the firearm. This is the finish generally used by the military until approximately 1965. Application of Parkerizing is similar to Hot Salt Bluing with the exception that many times non-moving parts are “Blasted” with frangible glass creating a fine matte finish prior to coating. This process adds an additional advantage of increased surface for coating coverage.

The finish starts as a dark gun barrel grey and lightens over time to a lighter shade.

The advantages of Parkerization are:

- Extremely durable coating resisting scratches and gouges
- Increased natural lubricity of moving parts helping with the function of the action
- Uniformity of color and surface finish with most military firearms
- **Extremely Good** weather proofing and water resistance, therefore helping to prevent rust and corrosion,

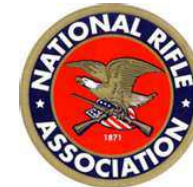
Duracoat™

The manufacturers of Duracoat types of coatings tell us that it “Provides a protective paint that won’t chip, crack, or flake; works great on any material.” Practical application has shown that all three of these events can happen. Although the Hardener and paint form a chemical bond for durability and elasticity, the coating is not mar proof. It is however, a decent coating when you have a need for different colors or camouflage visuals. Duracoat is generally allied to modern firearms such as AR-15s, or AK47s. It is applied via airbrush after proper preparation has been completed on the firearm.

Cerakote™

Cerakote Firearm Coatings provide a durable, weather- and corrosion-proof, ceramic-based protective finish that resists scratching, chipping, and abrasive cleaning solvents. It works reasonably well on correctly prepared surfaces. Preparation is not unlike prepping for bluing or Parkerizing and the end result appears as a colored parkerization process. Application of the coating can be a little tricky since you really don’t want to apply to any moving parts or action function surfaces. Various colors are available that can add a real customization feature to the firearm. Cerakote is generally used on modern semi-automatic pistols.

There are other coating processes such as “Gun Wrap” and Gun Coat which can be discussed with Ozarks Gunsmithing should you have questions. However, the key is to make sure that the firearm surfaces are adequately protected from weather, sweat, dirt/grime, holster wear, and other outside influences that can affect the beauty and performance of your firearm.



AMERICAN GUNSMITH