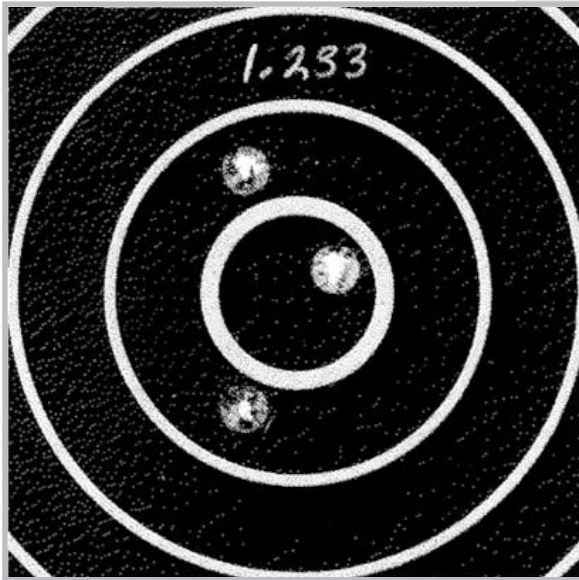
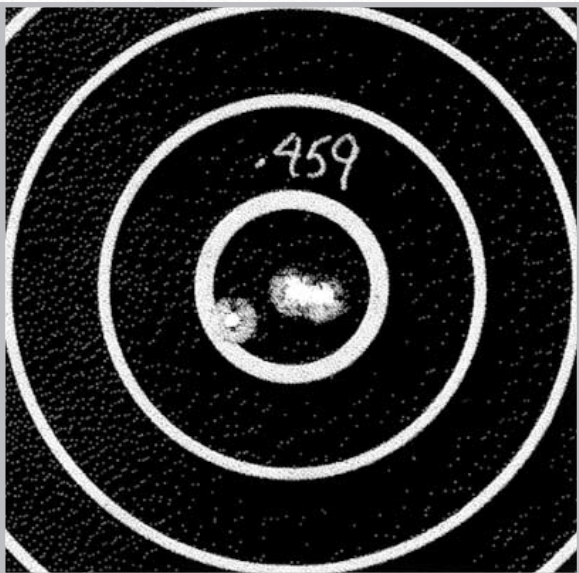


# Rifle barrels: It's all about accuracy!



*Before BlackStar\**



*After BlackStar\**

\*Aggs posted by an A-Bolt .25-06, shot at 100 yards, before and after BlackStar barrel accurizing.

**F**rom targets to varmints to big game, the point is always how accurately your rifle delivers the bullet. And nothing delivers a bullet more accurately than a rifle barrel that has been BlackStar accurized.

For almost a decade, the world's premier shooters have sent us performance reports that show barrel accuracy improvements of *20 to 50%* after BlackStar accurizing. Plus, BlackStar accurized barrels stay cleaner during use and clean up easier than conventional rifle barrels.

The advantages of the BlackStar process are available in two ways: 1) we can accurize your factory barrel to improve its performance, or 2) you can retrofit your rifle with a BlackStar AccuMax II barrel, available in popular calibers and twists from .172 to .500. Ask your dealer for more details, because until you've shot with BlackStar, you'll never know how good you can be!

***BlackStar***<sup>®</sup>  
BARREL ACCURIZING 

[www.blackstar-barrels.com](http://www.blackstar-barrels.com)

# BlackStar FAQs

## BARREL ACCURIZING

### What is BlackStar, and what services do you offer the shooter?

BlackStar is a division of Delstar Metal Finishing, Inc., a national leader in high performance metal finishing for medical, semiconductor, pharmaceutical, aerospace, and nuclear applications. BlackStar was created in 1992 to offer a performance boosting bore polishing technology to shooters.

### Tell me about BlackStar's accuracy improvements.

There are two major reasons why BlackStar improves a barrel's accuracy: (1) our ultra-smooth electropolished bore surface, and (2) our revolutionary tapered bore. Typically, the BlackStar process will improve accuracy from 25 to 50% – sometimes more.

### Can you explain BlackStar's bore polishing process?

BlackStar's process is a patented, electrochemical bore polishing procedure that improves a barrel's inherent accuracy, anti-fouling potential, and cleanability. The process simultaneously micro-polishes and deburrs the surface while electrochemically micro-machining the bore dimensions. It is completely non-abrasive.

### Can you explain BlackStar's tapered bore concept?

BlackStar's tapered bore improves accuracy by transforming the bullet into a self-sealing projectile, ensuring a positive gas seal with minimum distortion. This is because the BlackStar taper is linear, beginning at the throat and progressing towards the muzzle.

### How does BlackStar's bore polishing reduce fouling?

Micro-burrs and other mechanically produced surface problems – common to all other barrels – are the major cause of fouling problems. BlackStar virtually eliminates the bore surface characteristics that attract metallic and powder fouling thus dramatically reducing the rate and degree of fouling accumulation.

### Will a tapered bore change my loads?

With a tapered bore, it is often possible to tailor the powder charge incrementally in order to achieve higher velocities without increasing pressures. You may want to experiment with seating your bullet out a little further. Remember, a firearm and its ammunition are lethal products, and BlackStar encourages you to exercise great care in their use. Do not rely solely on traditional pressure indicators such as case head expansion, primer condition, and ease of extraction to identify a safe load. BlackStar cannot recommend specific load adjustments for any firearm.

## BLACKSTAR ACCUMAX II BARRELS

### I heard that BlackStar also offers its own premium rifle barrel. What can you tell me about it?

In addition to providing factory barrel bore polishing, BlackStar proudly offers a unique, tapered-bore stainless steel rifle barrel called the AccuMax II. There is no other barrel like an AccuMax II.

### What prompted BlackStar to create its own line of rifle barrels?

BlackStar has known for some time that the natural course of our company was to produce a state-of-the-art, tapered-bore rifle barrel. We wanted more control over the quality of the barrel itself, particularly with regard to dimensions. We have spent years learning as much as possible about the rifling process. The result is our AccuMax II premium barrel, featuring the exclusive electropolished and tapered bore.

### Can BlackStar barrels compete with other barrels?

The majority of BlackStar competition barrels are in the .100s and low .200s. Our high power barrels typically shoot between .250" and .400". A number of well-known benchrest, high power, and Palma shooters have done very well with our barrels, including several new world records in various types of rimfire and centerfire benchrest matches.

Your BlackStar Dealer:

**BlackStar**  
BARREL ACCURIZING