

## Fite Custom Hunting Rifles (FCHR)

My accuracy obsession started 16 years ago on a deer hunt in Old Mexico. I chose not to shoot at a Boone and Crockett whitetail because my factory rifle lacked the required accuracy to ensure a kill at 500 yards.

FCHR is not about accuracy but rather it is about **enhanced accuracy**. It is not about meeting industry standards for performance, it is about establishing a new **benchmark for expectations**.

The first process for a FCHR is called the **Developmental phase**. Your requirements are incorporated into the initial rifle design. This includes but not limited to the rifle caliber, recoil expectations, weight, balance, length of pull, stock requirements and optics. Each rifle is custom built to meet our specific requirements and every time you shoulder your rifle you will experience the feeling “it just feels right”.

### Enhanced Accuracy

One of the most important factors in achieving enhanced accuracy is the axial alignment of the bullet to the barrel bore. When the rifle is fired the bullet enters the bore under extreme pressure. Precise *bullet to bore* alignment results in the bullet entering the bore with minimal distortion to its base.

The bullet in Figure 1 entered the bore off-center to the axial alignment. The extreme pressure deformed the bullet base to the same degree it was misaligned to the bore. The deformation to the base causes its point and its balance to be off-center. This imbalance creates wobble in the exiting bullet and decreases the rifle’s accuracy.

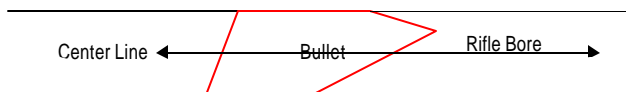


Figure 1 Bullet off center to Rifle Bore

The bullet in Figure 2 entered the bore centered with the axial alignment. The bullet will exit the barrel perfectly balanced with concentric spin, the physical properties required for engineered trajectory. The results are an increase in the accuracy level.

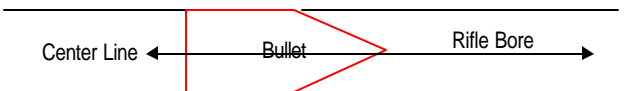
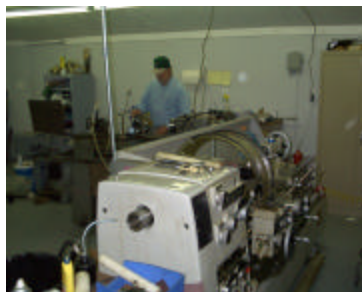


Figure 2 Bullet centered to Rifle Bore

## Precision Machinery



- Technical skill sets
- Quality machinery
- Measurement equipment capable of measuring tolerances to .00005”

**“The commitment to achieving and maintaining exacting tolerances is the foundation of the machining process.”**

## Machining Processes

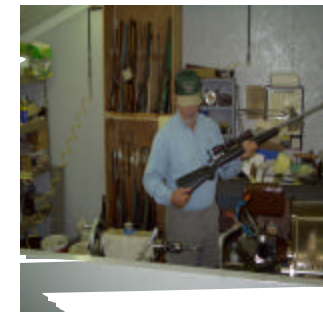
- Machining tolerances are held to .0002” or less
- Re-boring the center line of the action
- Single-pointing the action threads
- Square the lug recesses to .0001” axial alignment with the action
- Square the action face
- Installation of machined sleeves on the bolt body for a precise bolt alignment into the action
- Machining threads on to the barrel
- Chambering & crowning the barrel to the specified caliber



**“Precise axial alignment of the barrel bore to the action is core to the machining process.”**

## Building Processes

- Fitting the barreled action to the stock
- Floating the barrel
- Epoxy and pillar bedding the stock
- Hand lapping the scope rings
- Installing Muzzle brake (optional)



## Testing

The Fite facility has an climate control shooting area for extensive rifle testing.



Selected ammunition is tested at 100 yard targets to ensure the rifle’s accuracy is the “best it can be”.

Each rifle barrel undergoes a break-in period.

FCHR invites each customer to test fire his new rifle.



**“Touching Perfection”**

The total commitment to performance starts with the customer’s involvement in the Developmental phase and includes the machining, building and testing processes to ensure your expectations of a FCHR rifle are exceeded.

# The Fite Rifle

## GUARANTEED ACCURACY

The cornerstone of the Fite rifle is performance. Each rifle is custom tailored to fit the physical specifications of each individual sportsman. The accuracy potential of the Fite rifle using selected ammunition is guaranteed to 1/2" 3 shot group from a cold barrel at 100 yards. FCHR invites each customer to test fire his rifle at the facility shooting range.

### Complete Rifle Package

FCHR provides a complete Big Game Hunting Package. Your custom rifle will be fitted with a scope, provided with selected ammunition, and sighted ready for the adventure. FCHR provides fee based inspections and maintenance service.

#### Rifle Package

Custom Rifle Price \$3,700.00 USD

Price Includes:

Remington or Winchester action accurized

Trigger tuned to 2.5 lb. \* Krieger or Hart barrel

Rimrock or similar stock bedded to the action

Leupold or Nikon scope \* Rifle sling and case

50 rounds of selected ammunition with consideration given to game being hunted and accuracy achieved during testing. Specific trajectory chart is included.

### Options

Customer's choice of options

- Muzzle Brake

SKS contoured bases and rings

- Fluted Barrel

Zeiss or similar scope

- Jewel Trigger

Browning gun vault case

- Other options available upon

## Customer References

<b>Gary Stimac</b>	<b>Houston Business Leader</b>
<b>Earl Bentz</b>	<b>CEO of Triton Boats</b>
<b>Rick Clunn</b>	<b>Television Host and BASS Champion</b>
<b>Steve Smith</b>	<b>Business Owner</b>
<b>Larry Nixon</b>	<b>Television Host and BASS Champion</b>
<b>Butch Haner</b>	<b>Owner - Mexico Trophy Hunts</b>
<b>Mark Davis</b>	<b>Television Host and BASS Champion</b>
<b>Bennett Abner</b>	<b>Real Estate Developer</b>

# Fite Custom Hunting Rifles



*"Touching Perfection"*

**Fite rifles are tailor made for men  
and women whose expectations are as  
high as mine.**

*Randy Fite*

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