Action Blueprinting – week 1

Focuses on the study of the necessary modifications to convert the standard bolt action into a varmint, bench rest, or match rifle action. Emphasizes the remachining of the main line and lock up areas of the action. These operations create a straight action concentric to its bore. Lab work will consist of building specialized tools and fixtures and remachining of actions and bolts.

Prerequisite – Basic and Advanced Machine Shop or Machine I at TSJC


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Action Blueprinting Class Tool List

Remington 700 action or a Winchester 70
Pre contoured barrel of choice.
Reamers of most standard SAAMI spec. Calibers are available at the TSJC tool room for your use. If you have specific dimensions you are trying to meet it is best that you buy or rent a reamer and headspace gauge to meet your needs.
Dave Kiff at Pacific Tool & Guage offers a student discount.

- 6” quality dial calipers.
- 1” quality micrometer.
- Depth micrometer (blade style)
- Two 1/4” high speed blank lathe bits.
- One 5/16” high speed blank lathe bit.
- Calculator and notepad.
- Thread pitch gauge
- One set of feeler gauges.
- Set of allen wrenches .050 to 3/8.
- 1” dial indicator (0.001” or .0005” resolution)
- Dial test indicator (.0001” or .0005” resolution)
- Magnetic base
- Mighty mag
- PTG medium Sako extractor,#38 drill bit, and 11/64” endmill
Safety glasses.

Please contact instructor prior to class – contact information shown with biography above.