Helston Forensics

Ballistic Laboratories

Our ref: 13130/TP/AS



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Advanced Shot Gun (3 Days)

This course is designed for the Forensic Scientist and student who needs a better understanding of complex mechanisms and what they can tell you, how shot guns are manufactured, repaired, serviced, and maintained.

The course can be altered to meet specific needs and form part of a forensic strategy for the most serious of cases.

- 1. Health & safety
- 2. Recovery of evidence
- 3. Forensic markings
- 4. Manufacturers marks
- 5. Proof marks
- 6. Inspection & gauging
- 7. Mechanisms
- 8. Stripping & assembly
- 9. Forensic strategy

- 10. Examination plan
- 11. Presenting evidence
- 12. Common repairs
- 13. Chambers, bores & chokes
- 14. Test firing
- 15. Fault finding
- 16. Planning techniques
- 17. Trigger pulls
- 18. Gunmakers marks

The student will be expected to have basic knowledge of safe firearms handling.

Notes:

- A pre-read shot gun overview will be supplied 7 days before the course. 1)
- The course duration will be 0900-1730 finishing at 1600 on the third day. 2)
- 3) Refreshments and lunch will be provided.
- Assistance with hotel bookings will be available from our office staff. 4)
- This is a CPD-related course. This can contribute to your Continuing Professional Development (CPD) and will be evidenced through a multiple-choice summative assessment and the award of a Course Completion Certificate.

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Advanced Shot Gun



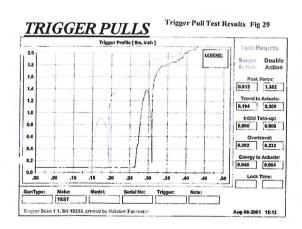


Smooth bore guns come in all shapes and sizes.

Another smooth bore "Sawn off"?

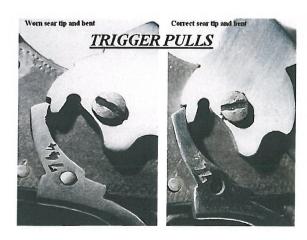


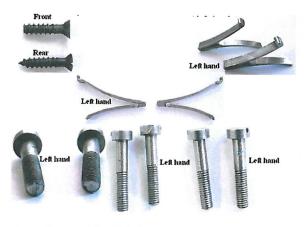




What angle do you pull the trigger from when testing?

Trigger pull testing, weights, spring balance or strain gauge?





What happens when you pull the trigger?

How do you tell if the components are left hand or right hand?

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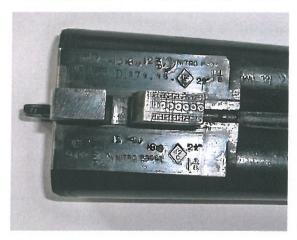
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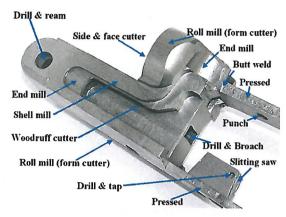
Advanced Shot Gun



Understand how the mechanism works.



Proof Laws are complicated, marks and measurements are important for legal reasons as well as the information they can tell us.



How are shot guns manufactured?

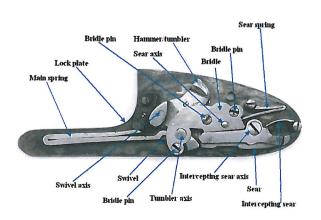


Mechanisms can tell a story, be careful how you interpret it!

CONSEQUENCES



What happens when you open and close a side lock ejector shot gun? plenty!



Understand the components, and how they work.