1. What unit system do you want us to work in?
   English
2. How much force need to apply to the scope? 200-2000g.
   Threshold (have to meet) = 500-
   Objective (above and beyond) = 500-2000g

3. What different sizes of scopes will this need to fit?
   2 different mounting sizes 30mm and 34 mm.
   Dimensions in catalog
4. What energy inputs are availed and there parameters? (electricity, air hoses)
   All of that (electricity, pneumatics). Don't know pressure on the floor. 120psi on pressure tester. 120volt.
5. Best way to contact you?
   Cell Phone doesn't work at work. Work phone 2084769814 ex 2233
   Work 4 tens – don't work Fridays.
   Email he checks regularly.
   Can use Imessage.

6. What are the size constraints on the device?
   1' by 1' by 2' – objective. Wants it to be at every station.
   Minimum requirement is 2'x2'x3'

7. How do you want the data to be collected and displayed? (Example matlab to excel?)
   Excel. Everyone knows how to use it. Can export to excel. But don't have too.

8. Do you want us to record the forces after the fact? Like what it hits as compared to what was the input?
   Set a predetermine g force and the data you want out is g forces vs time. The impulse and how it effects the scope.
   No pass/fail.
   Wants the data to mapped over time to see the acceleration of the impact throughout time.
9. Do you want use to model rifle vibration?
   Low priority. Don't really do vibration analysis. Hasn't really had a problem with it. Focus on the impact itself but if it fits in, it isn't a bad thing.

10. How many of these will need to be built in the future? Can we use custom parts?
    Want to make one for every station but for now just one. Proof of concept, to work out major issues. Use in R&D lab. This will be a couple of years and different iterations.

11. For cyclic test how many repetitions will be needed?
    3

12. Do you have any safety concerns? Safety factors?
    So you couldn't get hand in there. Can't automatically go off.

13. How would you want it operated? (connected to computer, button)

Not a computer (one more thing at the station unless it something small) a button would be fine. More mechanical then software.

14. How would you like us to use the budget? For example, would you want the machine to cost $500 but the rest goes to developing it.
    The cheaper the machine cost the better because it would go at every station. Still working out the budget 4-6000. Whatever it takes to get the prototype, good to be frugal because a few extra bucks can be helpful.
    Ask people for freebies/deals to help with budget.

15. Who will operating it? Everyone or certain person
    Anyone, goes on each station. Newbies.

16. Where would you want us to mount it? (we are thinking scope mounts)
    Scope mounts work
17. Will we get scopes to work with?
    Probably.

18. Time you want the process to take?
    Quicker the better. Save time = opportunity. But watch out for interfere. .
    When we come down, set a timer to see what it takes an actually person to test it.
    Takes them 45secs to do the full range before the check.
    Quick release stuff. Bolt for this, just to save money, is fine.

19. What is this machine going to be used for?

20. Will you be using the machine for general testing or certification or for manufacturing output?

21. What force can break the scope?
    Has tested it at 2500. Usually were around 800g – 2400g
    Live fire testing – accelerometer testing.

22. Does energy cost play?

Impact the scope – worried about surface condition. Can't damage them on the surface.
They have rubber pads on the top on the posts – now.
Can bend the trim ring if hit at an angle.

Hit all for sides and then forward. Don't want to hit the dials. All the impacts on the objective.

Meeting Monday – Thursday. 6am – 4:30pm. Have people that work 8:00 – 6:30

Anywhere between 6-6:30, Will probably take 30 general tour, 30-45 sit down with engineering group/production group. 1hour – production floor. Hour and half to get there.

Wrapped into the project funds.

Will be getting use data. Will try to get use accelerometers, one what can do 2500g, and 5000g and the data acquisition stuff. Both accelerometers are triaxle.