



Technical Topics

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SPECIAL DETONATORS

Frequently a customer will request a change to one of our standard catalog detonators. Over the years, we have become quite adept at making all types of modifications for a slight additional fee. Some of these have included:

- Splicing longer cables on a standard detonator
- Adding connectors (underwater, automotive, etc.) to the electrical detonator leads
- Putting more explosive in a detonator
- Putting less explosive in a detonator
- Putting different explosives in our detonators
- Adding a shaped charge cone to the detonator output
- Changing the detonator can from metal to plastic
- Putting cans on bare detonators
- Taking cans off canned detonators
- Replacing the explosive in a detonator with sugar (the ultimate in safety)
- Replacing output explosives with a flash mixture
- Using an EBW detonator to drive a firing pin
- Making a completely contained detonator with only an external visual indicator that firing had occurred
- Making a detonator which would fail when submerged in a liquid (water desensitized)
- Making long, skinny, detonators short and fat
- Making short and fat detonators long and skinny
- Making EBW explosive bolts
- Coax connector dets (also right angle coaxial detonators)
- Itty-bitty small detonators (0.125 diameter)
- Changing the detonator head to glass

So if you have special requirements, give us a call. There is a good chance we've done something similar or you may give us something new to add to our list.

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EXPLOSIVE LOADING

RISI also will load secondary explosives to customer specifications. We have loaded a variety of parts with liquid, paste and solid explosives into cylindrical, spherical and even checker-board configurations.

EXPLOSIVE TESTING

We also perform testing to meet various customer specifications. These have included:

- Gap tests
- Hot and cold firings
- Threshold studies
- Loading studies

In short, just about any kind of testing on secondary explosives.

NEW PRODUCTS

We currently have a number of new products in development. These include a complete family of all-RDX EBW detonators for higher temperature applications and an itty-bitty small PETN EBW detonator (1/8 inch diameter with a total explosive load of 28 milligrams). Both products are in final development with pilot lots being tested to confirm performance specifications. If you can't wait for the data sheets in a future issue of "Tech Topics" give us a call.

For Technical Contract and
Ordering Information, Contact:

We accept Visa, MasterCard
and American Express



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