

Advanced electronic initiation – components and system capabilities



SmartShot BENCH BOX

The SmartShot Bench Box is the receiver unit that allows for remote firing. It is positioned up to 500 metres away from any part of the blast. The Bench Box receives the signal from the Base Station and passes it on to the detonators in order to initiate the blast. The connection block – stored inside the Bench Box – has terminals to attach the two-wire lead to the String Starters, which connect to the detonators on the blast.



SmartShot SMART KEY

The SmartShot Smart Key must be docked into the Base Station for the blast to be armed and fired. The Smart Key houses the physical link to connect the blast energy. For security purposes the Smart Key is password protected.



SmartShot BASE STATION

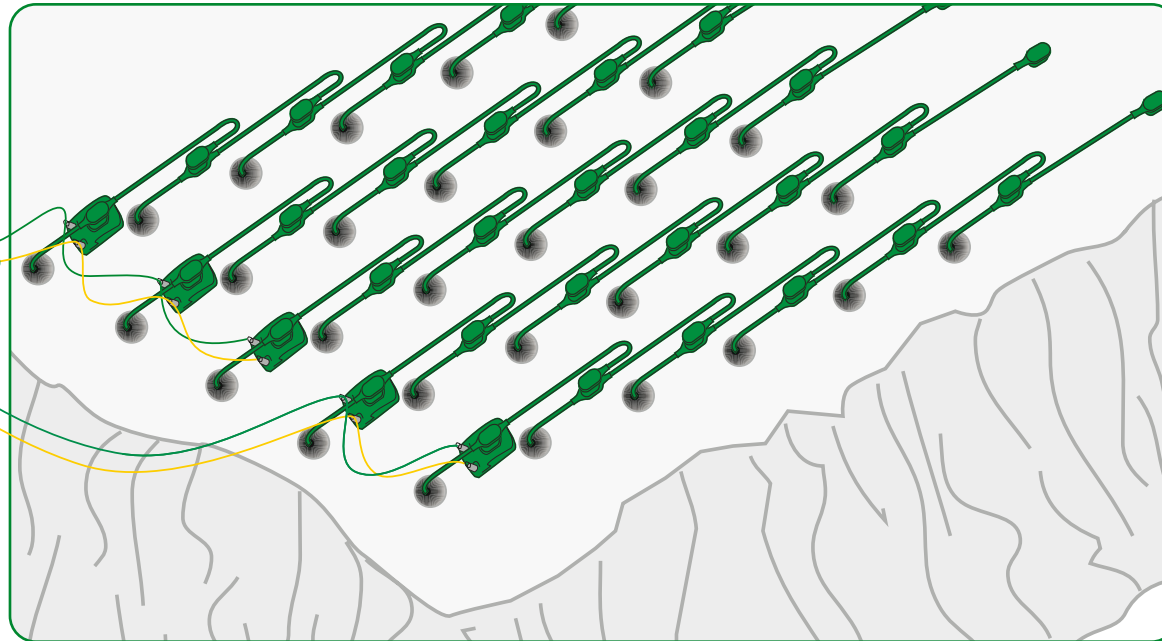
The SmartShot Base Station, placed at a point of safety and used in conjunction with the Smart Key, allows for initiation of the shot. The Base Station links to the Bench Box via secure radio frequency or via a simple two-wire link. For security purposes this unit will require a unique password to activate the blasting procedures.



SmartShot TAGGER LITE

The Tagger Lite is a user-friendly hand-held unit that is used to:

- Test individual detonators
 - Test strings of detonators
 - Define hole configuration
 - Assign timing for a string of detonators or individual detonators in the string.
- The Tagger Lite screens are designed to be user-friendly for simple, easy-to-use assigning of the detonator times. The SmartShot Tagger Lite is menu driven and follows a simple, logical sequence of testing and programming for the blast.



SmartShot END PLUG

The End Plug is placed at the end of each string to indicate the end of a string to the control equipment.



SmartShot ELECTRONIC DETONATOR

The SmartShot electronic detonator is high strength, with green wire and a robust water-resistant surface connector. Connections are simple; the male connector of one unit simply snaps into the female of the next, and so on, along a row. Since SmartShot has the capability to program any time to any detonator from a single point in the string, the user can employ a variety of connection patterns to achieve the desired delay sequence.



SmartShot STRING STARTER

The SmartShot String Starter is placed between the connected blast and the control equipment (Bench Box). It interfaces 2-wire communication to 4-wire communication, as well as serving as an identifier to assist in any fault finding that may be required. Should the system detect any fault (eg broken wire, missed connection etc) it will point to the exact detonator connected to the specific String Starter, making fault elimination easy and quick.

**Total flexibility, millisecond control
– intelligent electronic initiation,
from the world's most experienced
explosives company**

For more information or to arrange a no obligation, one-on-one consultation call 1800 251 872 or visit www.dynonobel.com

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