ELECTRONIC BLASTING SYSTEMS

E★STAR

Quarries | Surface Mines | Underground Mines | Construction | Tunnels

1. Highest level of safety and security on-site
2. Fragmentation improvement
3. PPV / vibration reduction
4. Processing cost reduction
5. Vibration frequency optimization
6. Back break damage reduction
E*STAR is a fit for purpose electronic detonator-based blasting system that provides the highest level of quality, security, control, and precise timing to ensure compliant, consistent blasting results.

**Product Features**

- Through connector testing
- Quick programming and diagnostics
- HDPE leg wires available in standard and heavy duty configurations
- Anti-slip friction grip (easy to use) connectors
- Robust connector hinge
- High accuracy delay from 1 - 20,000 ms
- 3200 detonator capacity (1600 per blasting machine)
- Weather-resistant connector
- Surface and Underground applications
- Dynamic pressure resistance
- Multi-level, 100% detonator verification pre-blast

**E*STAR System Components**

**Electronic Detonators** contain a capacitor, a logic and timing circuit, and explosives within a copper shell. Every detonator is equipped with a connector.

**E*STAR Logger** is an electronic device used to program detonators, verify detonators, measure leakage, and record detonator GPS position.

**Digital Blasting Machine** is an electronic device used to verify, arm and fire detonators. It is also available with remote control functionality.

**Wireless Remote Firing Device (WRFD)** allows a blaster to control the blasting procedure from a safe distance without the need for a lengthy copper wire link.

**Tester LM-2** is an E*STAR device that used to identify problems such as detonator and ground current leakage.

**E*STAR Detonators** are equipped with connectors that are weather-resistant, rugged, and easy to open with one hand.

**E*STAR Blasting Machines** can fire up to 1600 detonators at one time and can be connected together to fire up to 3200 detonators.

**USED IN 1833, AND EVER SINCE.** Austin Powder provides a broad range of highly engineered solutions – from bulk trucks to Red Devil underground units; emulsion technology to E*STAR detonators; Paradigm software modeling to optimizing blast design – all of which are developed to advance the safety, reliability, and efficiency of breaking rock.