

ELECTRONIC BLASTING SYSTEMS

E★STAR

Quarries | Surface Mines | Underground Mines | Construction | Tunnels



AUSTIN POWDER

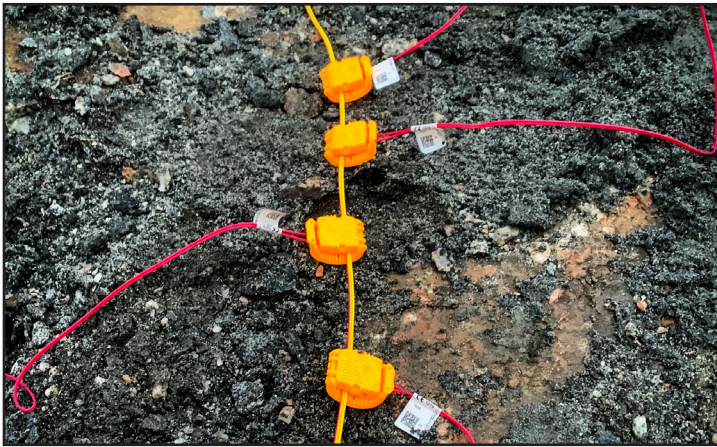
- 1** Highest level of safety and security on-site
- 2** Fragmentation improvement
- 3** PPV / vibration reduction
- 4** Processing cost reduction
- 5** Vibration frequency optimization
- 6** Back break damage reduction

E★STAR

PRECISION BLASTING

Quarries | Surface Mines | Underground Mines | Construction | Tunnels

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.



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

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 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.



AUSTIN POWDER

25800 Science Park Drive Cleveland, Ohio, USA 44122

p +1-216-464-2400

info@austinpowder.com

austinpowder.com