

QUARRIES ♦ SURFACE MINES ♦ UNDERGROUND MINES ♦ CONSTRUCTION ♦ TUNNELS

E★STAR

ELECTRONIC BLASTING SYSTEMS



BENEFITS

- + HIGHEST LEVEL OF SAFETY AND SECURITY ON-SITE
- + EXCEPTIONAL, INDUSTRY LEADING LEAKAGE TOLERANCE
- + VIBRATION FREQUENCY OPTIMIZATION
- + PROCESSING COST REDUCTION
- + PPV / VIBRATION REDUCTION
- + BACK BREAK DAMAGE REDUCTION
- + FRAGMENTATION IMPROVEMENT



AUSTIN POWDER



E★STAR Blasting Machines can fire up to 1,600 detonators at one time and can be connected together to fire up to 3,200 detonators.

PRODUCT FEATURES

- + The detonator has a robust copper shell and high dynamic pressure resistance
- + Standard wire and heavy-duty wire both have an extra-long crimp plug for additional mechanical protection
- + Bus-line options include standard and heavy-duty
- + Color coded connectors are user-friendly and suitable for all harsh conditions
- + Delay range options from 1 to 20,000 milliseconds
- + E★STAR Logger 2 allows for direct contact logging or touchless RFID logging, each programming up to 1,600 dets
- + Remote firing available for additional safety and security
- + Digital Blasting Machine can fire blasts reliably even with high levels of leakage present



E★STAR has the Industry-leading daisy chain connection method and exceptional leakage immunity.



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

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 SYSTEM

Components

Electronic Detonators

Contains a capacitor, a logic and timing circuit, and explosives within a copper shell. Every detonator is equipped with a connector

E★STAR Logger

An electronic device used to program detonators, verify detonators, measure leakage, and record detonator GPS position

Digital Blasting Machine

An electronic device used to verify, arm and fire detonators. Also available with remote control functionality

Wireless Remote Firing Device (WFRD)

Allows a blaster to control the blasting procedure from a safe distance without the need for lengthy copper wire link

Tester LM-2

An E★STAR device that is used to identify problems such as detonator and ground current leakage



USED IN 1833, AND EVER SINCE.

Austin Powder is renowned for its unsurpassed customer service and its broad range of engineered solutions – from bulk trucks to underground units; emulsion technologies to electronic initiation systems; predictive vibration modeling software to optimized blast design. All solutions are developed to advance the safety, reliability, and efficiency of breaking rock.