

QUARRIES ♦ SURFACE MINES ♦ UNDERGROUND MINES ♦ CONSTRUCTION ♦ TUNNELS

TECHNICAL SERVICES

MAKING YOU MORE PROFITABLE



AUSTIN POWDER

◆ TECHNICAL SERVICES

For nearly 200 years, Austin Powder has been in the business of helping customers break rock safely and efficiently. Our long history of serving various industries is reflected with the continuous development of safer, more efficient, and more reliable blasting products and innovative technologies. Today, Austin serves operations in mining, quarrying, construction, pipeline, and oil and gas across the globe. We offer a wide range of service opportunities that can be tailored to fit the needs of different customers and industries.

PRE-BLAST TECHNICAL SERVICES

- + Geological analysis
- + Survey grade GPS capabilities
- + Full capability face profiling - 2D laser or 3D minimum burdens
- + Computer-aided blast design and optimization
- + Borehole deviation measurement
- + Expert product selection
- + Virtual mining software to assist with long term mine planning solutions

BLAST TECHNICAL SERVICES

- + Reliable and consistent product performance
- + Unique timing solutions specific to each blast
- + Rock movement simulations
- + Vibration and overpressure simulations
- + Drone-assisted blast videos
- + Velocity of Detonation data collection
- + Signature hole data capture
- + Industry leading flyrock risk model



Delivery Service

Safe and reliable delivery of quality Austin Powder products direct to your site, complete with responsive technical product support.

Down the Hole Service

Safe and reliable delivery of quality Austin Powder bulk products direct to the blast hole with our mobile manufacturing units (MMU), complete with responsive technical product support.

Austin Shot Service

A full blasting service led by our blasters to deliver safe, efficient, and optimized blast performance from the initial blast design to the loading process to the post-blast analysis. Our blasters are thoroughly trained to be subject matter experts in the safe and effective application of our products and technologies. This foundational knowledge is further enhanced when paired with the advanced capabilities of our technical service specialists to identify unique solutions designed to deliver optimal results for every blast.

POST-BLAST TECHNICAL SERVICES

- + 3D muckpile profile and distribution analysis
- + Backbreak and wall stability review
- + Fragmentation analysis
- + Vibration, overpressure, and flyrock model calibration
- + Continual improvement through regular design and process adjustments
- + Target floor grade and elevation validation

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.

