



MAXAM's 100% THRU CRUSHER SERVICE delivers rock blasted to the required size on time. The size of ALL the rock delivered is guaranteed to be below the requested size. MAXAM's Technical Applications Group (TAP) helps customers optimize their drilling and blasting operations, bringing unparalleled transparency, compliance, inventory and cost control, and improved rock output. All rock delivered to the customer is guaranteed

## APPLICATIONS

✗	Open pit
✗	Underground
✗	Quarry

## BENEFITS

### Customer benefits include:

- ✗ ALL rock delivered is ready for crushing.
- ✗ Pay for rock produced to a required fragmentation on requested delivery date.
- ✗ Save costs of secondary breakage.
- ✗ Discover hidden costs in drilling and blasting.
- ✗ Reduce investment in drill rigs, and reduce costs of drill rig operation and maintenance.
- ✗ Improve performance of shovels, trucks and primary crushers.
- ✗ Improve inventory control of explosives.

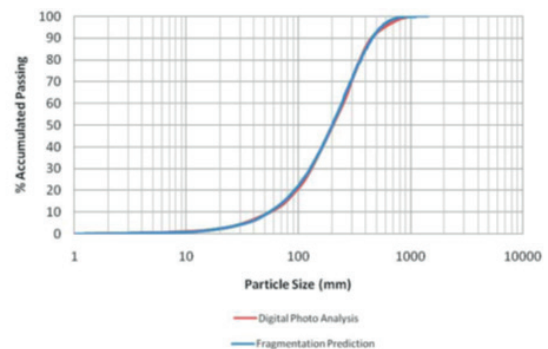
### Safety

- ✗ Burden colour codes.
- ✗ Fly rock control, adjusting explosive charge to the real burden along the bench height.
- ✗ Adequate explosive charge determination according to minimum/maximum burden.

## EQUIPMENT

MAXAM's experienced engineers use state-of-the-art technologies and tools as well as MAXAM's global expert network to design and implement long term operations anywhere in the world.

Each blast is designed and verified before execution. No blast related work begins without a safety review and a comprehensive risk assessment. MAXAM tools use field information to develop and calibrate prediction models used to control all risks like flyrock, vibrations, misfires or cutoffs. MAXAM is responsible for breaking any oversize rock produced.



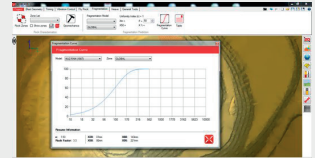
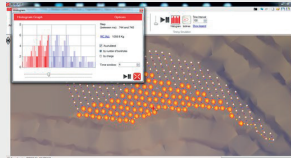
## METHODOLOGY

100% THRU CRUSHER SERVICE	
BEFORE STARTING	SERVICE
<p>Define scope of work</p>	<p>Rolling production forecast</p> <p>CLIENT</p> <p>CLIENT &amp; MAXAM</p> <p>MAXAM</p>
<p>Responsibilities Contacts Conflict resolution</p>	<p>Site access for each blast for MAXAM staff, equipment and supplies</p> <p>Safety review, risk assessment</p>
<p>Drill &amp; blast specifications (site specific information, rock production schedule, safety, environment, vibration and other requirements (daily, weekly, monthly, annually), fragmentation, oversize, undersize, ... etc.)</p>	<p>Blast site survey, Blast design, Drill plan, Blast plan</p> <p>Customer approval</p>
<p>Drill &amp; blast program, KPI and report definitions (rolling production forecast, MAXAM resource assignment and supply chain (equipment, staff, supplies of explosives and accessories, ... etc.)</p>	<p>Drilling and and drill audit (CLIENT OR MAXAM)</p> <p>Loading, priming, tie-up, stemming, shooting &amp; sec. breakage</p>
	<p>Site check Blast reports KPI update</p> <p>Daily and monthly reports</p>

Contact MAXAM to explore how to add value to the mine cycle by improving safety, reducing environmental impact, reducing costs and increasing transparency



Topography and Laser profiling free face maps blast site data entered into RIOBLAST.



Blast design & simulation with RIOBLAST generates drilling plan, blast plan and expected fragmentation, vibrations and safety zones.



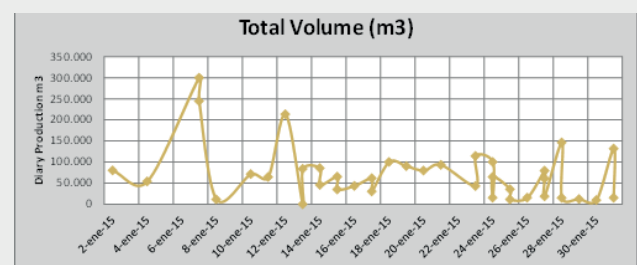
Boretrak checks blast holes and with RIOBLAST, helps optimize design for each blast

MAXAM's highly trained staff load, prime, stem and tie-up the blast using state-of-art equipment, advanced explosives and initiation systems



Blasts are recorded and fragmentation is measured for each blast. 100% fragmentation is guaranteed.

A comprehensive blast report for every blast & monthly tracking



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