

# NEWS THIS MONTH

**YOUR SOURCE FOR ALL THINGS ROCK-BREAKING**



## NXBURST™ UNDERGROUND

*How long does your mine sit idle waiting for clean air?*

*Would you like to deal with any oversize in the drift and not tying up machinery stockpiling it?*

*How much does dilution rob your bottom line?*

*How much does the blasting schedule hold back your personnel?*

Could you find efficiencies through on-shift blasting? Is there a way to make things faster, safer and in turn more profitable? It's hard to gauge the impacts of the questions asked above without looking at the biggest possible picture. There needs to be a high level of understanding the interconnections of different processes, machinery and personnel within a mine. In the quarrying world Nxburst can be as much as twice the cost of high explosives, so why is it used more and more in surface quarries as the primary blasting agent? The answer is actually simple, formation recovery, when more finished product is created and all the costs and impacts are considered the operation is further ahead.



*Nxburst™ provides value to your bottom line*

So where do you find the value in an underground application? Have any of the earlier questions been a thorn in the side of your operations? Nxburst™ cartridges give a mine the ability to blast on shift.

Nxburst™ cartridges are oxygen-balanced allowing for re-entry times of minutes not hours, high explosives could only dream of that. Without a damaging shockwave over-break is 100% controllable thus improving hanging wall conditions and reducing scaling efforts. With high frequency, short duration vibration created, existing mine infrastructure is safe from blasting effects allowing for improvements in traffic flow and upgrades in the mine. Nxburst™ has been used with advantages like the ones listed below:

- The ability to blast all the oversize at the source or off in an unused area
- Slashing and general mine improvements around existing infrastructure
- Drift development where surface vibrations are a problem
- Reduced dilution in precious metals mining
- Elimination of the crush zone greatly reducing dust and fines
- A lack of flyrock leads to a reduction in the required safe zone and mine interruption

When your whole operation is chasing 4 grams per tonne or 0.000004% of total ore extracted and a minimum cutoff of 2 grams per tonne, every small gain makes a big difference. Can you afford to keep your blinders on to the possible gains that Nxburst™ will give you?

## MACLEAN MDA PNEUMATIC DRILLS

No one likes to hang on to the end of a rock drill. With the availability of labour now, it's difficult to find good people to work and even the best and most dedicated employees will only drill rock by hand for so long. You may be able to drill your first 1.5" hole at 2 minutes per foot first thing Monday morning but come Friday afternoon your production is a far cry slower. What you need is a reliable drill that is easy to maintain and able to achieve significant products improvements over hand work. Available in 5 different models, the MacLean MDA family of pneumatic rock drills can make all the difference to your projects. If you are extracting limestone in the Orillia area, preparing windmill foundations in the Yukon, or working in a remote fly-in construction project north of the arctic circle MacLean drills have been there. The drills have been installed on excavators as small as three tons right up to 15 ton machines. We have seen them installed on small cranes for unmatched versatility. We are happy to introduce you to the drills and help you decide which model suits your needs best. With drills on the ground we are ready to supply you with a drilling solution from 1.25" to 4" diameter holes.

