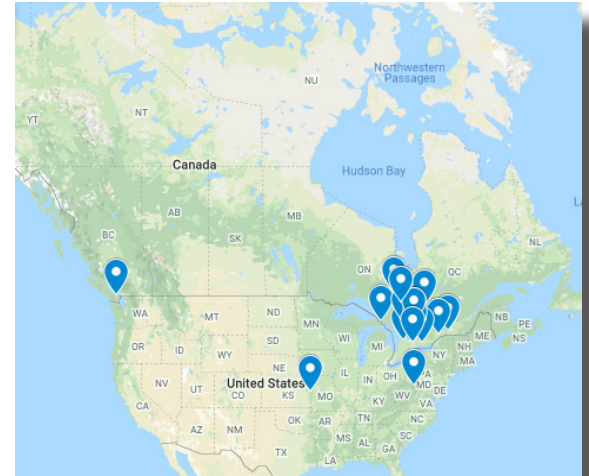




What's New

We are always looking for distributors

In the coming days we'll be launching a new distributors contact page on our website. Recently we have added some great people and companies to our distributor team, like Cooper Equipment Rentals. We are always looking to add explosive suppliers and companies that can be a great fit to fly the Nxburst™ flag. We are a small family, in contact with our colleagues all over the world sharing new applications, technical data and project data. Throughout the network of Nxburst™ users and NXCO Mining, you are always supported. If you know someone that may be a great fit, or think this could be an exciting opportunity for your company, let's get in touch!



Not all vibrations are the same

Ground borne vibrations from blasting can cause damage to buildings and infrastructure which are in the vicinity of the blast. The degree of vibration-induced damage caused by blasting is dependent on the magnitude, frequency and duration of the vibration. Generally, low frequency, long duration vibrations are more damaging than higher frequency, short duration vibrations.

The vibration waves produced by Nxburst™ are mostly of a higher frequency, with a mean of 150 Hz, and of short duration and are therefore the least harmful to sensitive structures.

In addition, the magnitude of the vibration levels produced by Nxburst™ is particularly low when compared to explosives over the same distance from the shot hole. When the propellant mixture in a Nxburst™ cartridge deflagrates, the almost instantaneous change from solid to gaseous matter is accompanied by a very sharp increase in the blast hole pressure and temperature. This is accompanied by a pressure wave that radiates from the drill hole, its amplitude decreasing as the distance from the drill hole increases.

The primary factors known to influence the level of ground vibration from the Nxburst™ cartridges include the weight of propellant per cartridge, distance between the drill holes and the point of measurement as well as how the local geological and topographical conditions influence the vibration attenuation.





What's New

Why 1.4s Shocktube Matters

For breaking boulders, small excavations and secondary work, electrical cartridges do a great job. The ability to use Nxburst cartridges without the need for additional accessories can reduce costs, and simplify the transportation and handling aspects of a project. However, they don't always provide a simple solution in all cases. When blasting a large area, a trench or even a bench within quarries, sometimes timing is necessary and that is not something that can be easily satisfied with an electric cartridge. We do have REO PT blasting machines available for purchase and rent which can get the job done, but the blasting world has moved on. Infact, a lot of new blasters today may have never used an electric blasting cap and never will. Although electronic detonators are becoming more and more common, they are still a premium product with advantages not always required for simple projects. Shock tube or non-electric is the initiation system of choice, since it not affected by electrical currents, has no limitations on the amount of cartridges within a single blast and a delay pattern is simple to setup. Available in delays from 0 to 200 ms and a capacity to connect 8 shock tube lines even complex blast designs can be implemented with relative ease.

Nxburst™ is not only offered with shock tube initiation it's actually available!

There are cartridges on the market that offer shock tube variations of their 1.4s cartridges, but Nxburst is not only offered, it is actually available. Primed with a 4000ms down-the-hole delay, using Nxburst™ with standard shock tube surface delays couldn't be easier. The biggest bonus with a 4000ms DTH is that in the majority of blast patterns, the entire round of cartridges are live before any have gone off to ensure cut-offs are non-existent. This delay also makes underground blasting and the tie-in to a central blasting system no different to current high-explosive blasting.



Our competitors may brag about a “detonator-ready” product, but do you really have a deflagrating product, no shockwave and minimal vibration when you start with a detonation?

If you are not sure whether electric initiation or a non-electric cartridge is best for your project, give us a call. We will be happy to explain the pros and cons and how best get your project completed on time and on budget.

Coogar Sales & Services is the proud distributor of Nxburst and the FRAGMENTOR throughout Canada, US and Mexico and has the stock to meet your demands. With our staff having a practical drill and blast experience we can guide you through even the most delicate of jobs safely and effectively helping you and your bottom line.

Give us a call at (866) 762-5835 or visit www.coogarsales.com

