

Media Release

20 May 2015

FOR IMMEDIATE RELEASE

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New Through Seam Blast World Record Achieved with DigiShot® Plus

digishot^ϕ plus
electronic initiation system

Dyno Nobel has attained a new groundbreaking world record through seam blast in central Queensland using the DigiShot Plus electronic initiation system. On Friday 24 April 2015, a through seam blast was fired at a large open cut coal mine using 4,788 DigiShot Plus detonators. This is the largest through seam blast ever recorded to date using electronic detonators.

Designing and engineering this blast took the skilled expertise and collaboration of the customer's Drill & Blast Team, DynoConsult®, the Dyno Nobel Asia Pacific (DNAP) Electronics Conversion Team and DNAP Operations. Due to the committed partnership this blast was an overwhelming success. Loaded over a 16 day period, 4,788 DigiShot Plus detonators were used to initiate 1,729 blast holes on four terraces with no misfires. The DigiShot Plus electronic platform provided the timing flexibility required for this project. This system is capable of initiating up to 9,600 detonators with a blast duration of 20,000ms in 1ms increments.

Through seam blasting helps to improve mining productivity by making it possible to blast through one or more coal seams during a single blast event. This is beneficial when coal seams are steeply dipping and enables blasts to be designed to a workable grade below the coal seam. Utilising flexible timing during through seam blasting is crucial because it increases efficiency by confining the coal and minimising movement and dilution while the interburden below the seam is blasted.



**DigiShot® Plus
Detonator, Wire and
Connector**

- more -

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Dyno Nobel is dedicated to its core values: Practical Innovation, Industry Expertise and Committed Partnership providing invaluable products and resources to its customers. It is through these core values Dyno Nobel was able to collaborate with its customer and achieve this groundbreaking result setting a new world record through seam blast.

About Dyno Nobel:

Dyno Nobel has customers in the mining, quarry, construction, pipeline and geophysical exploration industries. The company operates in Australia, Canada, the United States, Africa, Indonesia, Mexico, South America, Papua New Guinea and Turkey. Dyno Nobel manufactures a full line of commercial explosives, including ammonium nitrate, bulk explosives, packaged emulsions, dynamite, detonators (electric, nonelectric and electronic), cast boosters, and detonating cord, as well as surface and underground loading systems and Portable Modular Emulsion Plants. The company also offers services including blast design, shot loading, shot service, vibration control, airblast and flyrock through DynoConsult, a specialist consulting division of Dyno Nobel. Please visit www.dynonobel.com for more information.

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