



# **EZshot**<sup>®</sup> $\Phi$

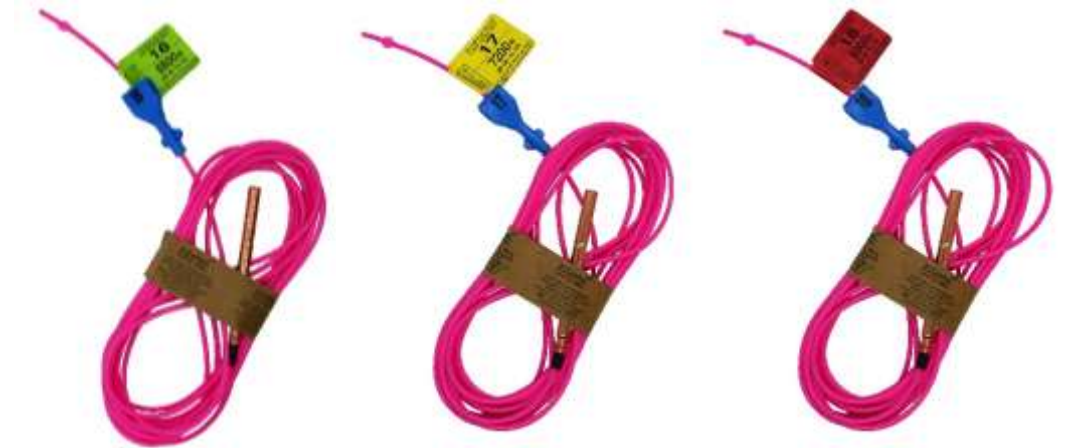
driven by **NONEL**<sup>®</sup>

*Perimeter Blasting—Electronic Detonation Driven by NONEL<sup>®</sup>*

## Shock Tube Initiated Electronic Detonator

The new EZshot detonator series is an exclusive design for underground perimeter blasting. This system gives the customer the ability to use electronic timing for improved perimeter control, helping them to save on time and overall production costs.

With the same J-Hook hookup as NONEL, no new training is required, allowing the customer to quickly move forward on all projects.





## EZshot vs. Competitor Timing and DigiShot Plus 4G

- ✓ Increases accuracy in Shocktube detonators by a factor of 150
- ✓ Max pyro det time vs EZshot 20s
- ✓ World's first unique sensors scheme to verify an authentic Shocktube signal
- ✓ Each det can be traced back to manufacturing due to its unique ID
- ✓ First Shocktube det with temperature drift correction. Allowing detonator timing to be accurate over a wide temperature
- ✓ ASIC can test itself to verify critical components
- ✓ Immune to leakage issues that can affect traditional electronic detonators

## Proven Benefits – In-Hole Timing Accuracy

### **A better control of fragmentation:**

- ✓ Improved digging/loading rates and backfill factors
- ✓ Improvements in primary crusher efficiency
- ✓ Reduction in processing costs
- ✓ Improvement in cycle times
- ✓ Reduction in oversize and secondary blasting costs

## Proven Benefits – Underground

- ✓ Reliability of NONEL
- ✓ Perimeter control
- ✓ Improved half cast factor > 85%
- ✓ Ease of use
- ✓ Shock tube based
- ✓ Non-electric tie in
- ✓ No training required



Resulting in a lower operating cost/ton

## Proven Benefits – Underground

- ✓ Improved hanging wall conditions / Fall of Ground (FOG's) incidents
- ✓ Minimize re-handling
- ✓ Better advance rates
- ✓ Reduction in secondary explosives costs
- ✓ Reduction in support costs:
  - Wire mesh, shotcrete, roof bolts etc.
- ✓ Quicker cleaning cycles



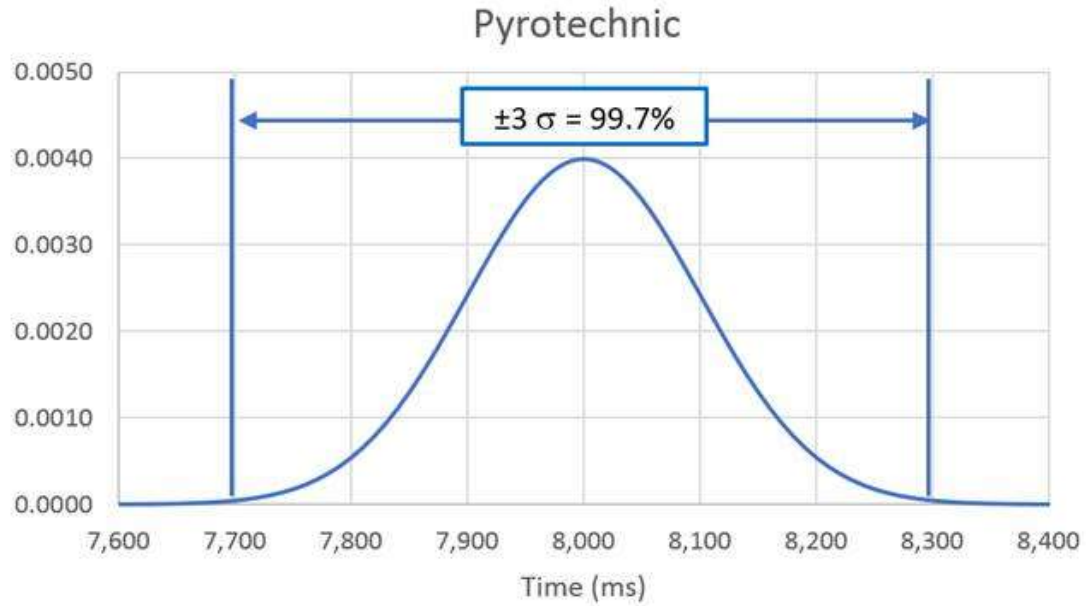
**Resulting in a lower operating cost/ton**

## How Will This Impact the Blaster?

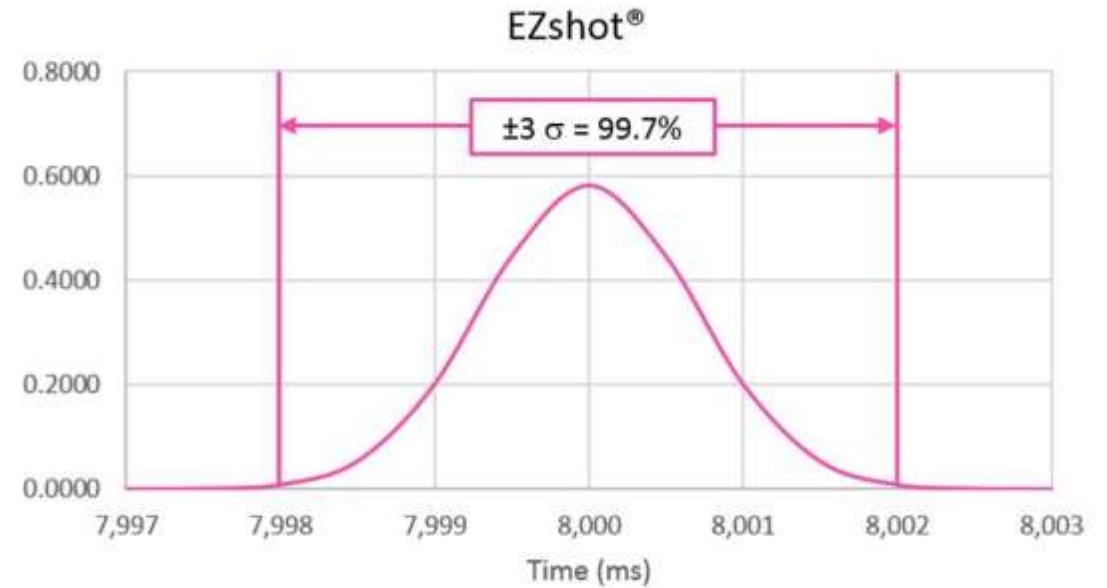
### **No Change Management Required; Seamless Transition:**

- ✓ No specific training required for deployment and usage
- ✓ No additional control equipment required for electronic accuracy
- ✓ No on bench programming of detonators
- ✓ No testing required of detonators
- ✓ No risk of leakage/ communication errors / wire damages

## Timing Performance Expectation



VS





**EZshot** <sup>⊕</sup> driven by **NONEL**



**If you found a product that offers the safety of Dyno Nobel, ease and reliability of NONEL, and the precision of an electronic at a lower cost, you'd probably call it perfect.**

**We'd call it EZshot.**

*"Simplicity is the ultimate sophistication."  
- Leonardo da Vinci*