

BOART DISPLAYS SONIC BOON

Boart Longyear, a leader in sonic drilling innovation, recently hosted drilling contractor representatives for a demonstration of the new LSTM250 MiniSonic™ at Boart Longyear's test site in the Adelaide Hills.

'We are proud to showcase leading-edge sonic drilling technology right in our backyard', said Business Development Manager Jason Higgs.

'There is a lot of interest in sonic technology and this new rig in particular but most of our customers share a common challenge: convincing their clients that sonic is the better drilling method for a particular project. This was an excellent opportunity to showcase the advantages of sonic drilling over other conventional drilling methods'.



Continuous and relatively undisturbed core sample

Five ways sonic drilling improves drilling results

- 1. Sonic drilling is faster than conventional overburden drilling methods, depending on site-specific considerations**

Sonic technology utilises high-frequency resonance to eliminate or minimise friction between the subsurface material being encountered and the tooling/ core barrel being advanced. This allows both efficient penetration and maximum core recovery in a variety of subsurface conditions. During drilling, resonant energy is transferred down the drill

string to the bit face at various sonic frequencies. Simultaneously rotating the drill string evenly distributes the energy and impact at the bit face.

- 2. Sonic drilling can reduce waste by up to 80 per cent.**

Sonic drilling, utilising an innovative casing advancement system, all but eliminates slough, providing improved sample integrity through limestone, dolomite, sand and other unconsolidated material.

- 3. Sonic drilling delivers superior information.**

Sonic drilling provides a continuous and relatively undisturbed core sample of unparalleled quality and accuracy through any type of formation.

With less than 1% deviation, drillers, geologists and environmental scientists can be sure they know exactly where a sample is from.

- 4. Access fragile terrains and hard-to-reach drill sites.**

Track-mounted rigs offer newfound mobility at remote drill sites. Their goat-like versatility provides accessibility beyond the capability of even the most super-duty truck. More compact drill pads – one-third to one-half smaller than conventional pads – reduce the need to remove trees and grade land to provide a workable drill site.

The LS250 MiniSonic's weight and size make it perfectly suited for jobs in the most sensitive and fragile terrains and space-constrained environments. Its smaller footprint and pads make it versatile for environmentally sensitive areas, and require less support equipment.



The compact LSTM250 MiniSonic™

- 5. Worker safety remains everyone's top priority.**

The LS250 MiniSonic's safety features include an interlocked rotation barrier, reduced noise levels, a dump mast and wiggle tail, and a rod presenter. The interlocked rotation barrier automatically slows head rotation when the barrier is open.

'We want to help our customers drill better, and part of that is sharing with them the type of information and insights they need in order to help create a convincing argument for sonic drilling', Higgs said.

For more information, contact your local Boart Longyear representative via www.boartlongyear.com/minisonic or call +61 1800 792 972.