About the Sonic Drilling Institute

The Sonic Drilling Institute is advancing scientific research in the most concrete and practical terms for sonic drillers and sonic rig manufacturers.

We are developing the next generation of sonic drilling technology. Sci-Ex is powered by U-Sonic, a proprietary code that numerically models the sonic drilling process.

Our team's combined experience includes decades in research, drilling, analysis, technological advancement and development, and more. We are leading the sonic drilling industry in science and innovation.

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Sci-Ex

Sonic Drilling Dashboard*

Sci-Ex is designed to fit to any sonic drilling rig and complement the instruments installed by the manufacturer. This dashboard...

- improves drilling rate and predictability,
- minimizes breakdown and maintenance time & cost for drillers,
- informs decision-making and reduces trial and error for drillers,
- minimizes training and learning curve for drillers, and
- records and transmits the main drilling data.

SONIC DRILLING INSTITUTE

Sci-Ex indicates in real-time...

- optimal weight-on-bit,
- current weight-on-bit,
- closest resonance frequency,
- current frequency,
- drill head acceleration (to indicate fatigue and risk of damage to the rig), and
- drilling rate.

*Patent Pending

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