

SONIC RIG

FRASTE MDXL MAX SONIC

The Fraste MDXL Max Sonic (Max Sonic) is a compact rubber tracked sonic drill unit, that operates a Boart Longyear Mini sonic head capable of delivering up to 75 Hz of oscillation frequency to the drill string. The low ground pressure rubber tracks allow for safe and efficient maneuvering of the drill from the paved urban environment through to sensitive environmental areas requiring a low ground pressure (5 PSI). The Max Sonic head has the ability to side shift, to allow for unrestricted down hole testing and instrumentation installations. A side tilt function on the head facilitates the ability to eject the sample from the sonic core barrel in a smaller footprint than other sonic drill varieties. Non destructive testing and well SPT hammer efficiency analysis are completed annually to assist with ensuring the equipment is in best operating condition for the safety and surety of our workers and clients.

Depth Capabilities:

Sonic 120.65 mm (4 ¾") Casing: 80 m (300') - 95.25 mm (3 ¾") core barrel

Sonic 152.5 mm (6") Casing: 60 m (200') - 120.65 mm (4 ¾") core barrel

Ability to drive 7" and 8" override casing as required.

Dimensions:

Width: 1.98 m (6.5')

Length: 3.7 m (12')

Height: 7.8 m (25.5')

Rig Features:

- Max Stroke: 4.5 m (14.8')
- Oscillator Force: 41,000 lbs @ 150hz
- Rotation Speed: 0-80 rpm
- Unique tilt top head system
- Swing arm adjustable control panel for tight access drilling
- Oscillatory Frequency: Variable (150hz is typical operating)
- Maximum Clamping Diameter: 300 mm- Rubber Tracks
- Remote operation radio control for safe and secure mobilization
- Double clamp breakout system, reducing the need for pipe wrench usage

