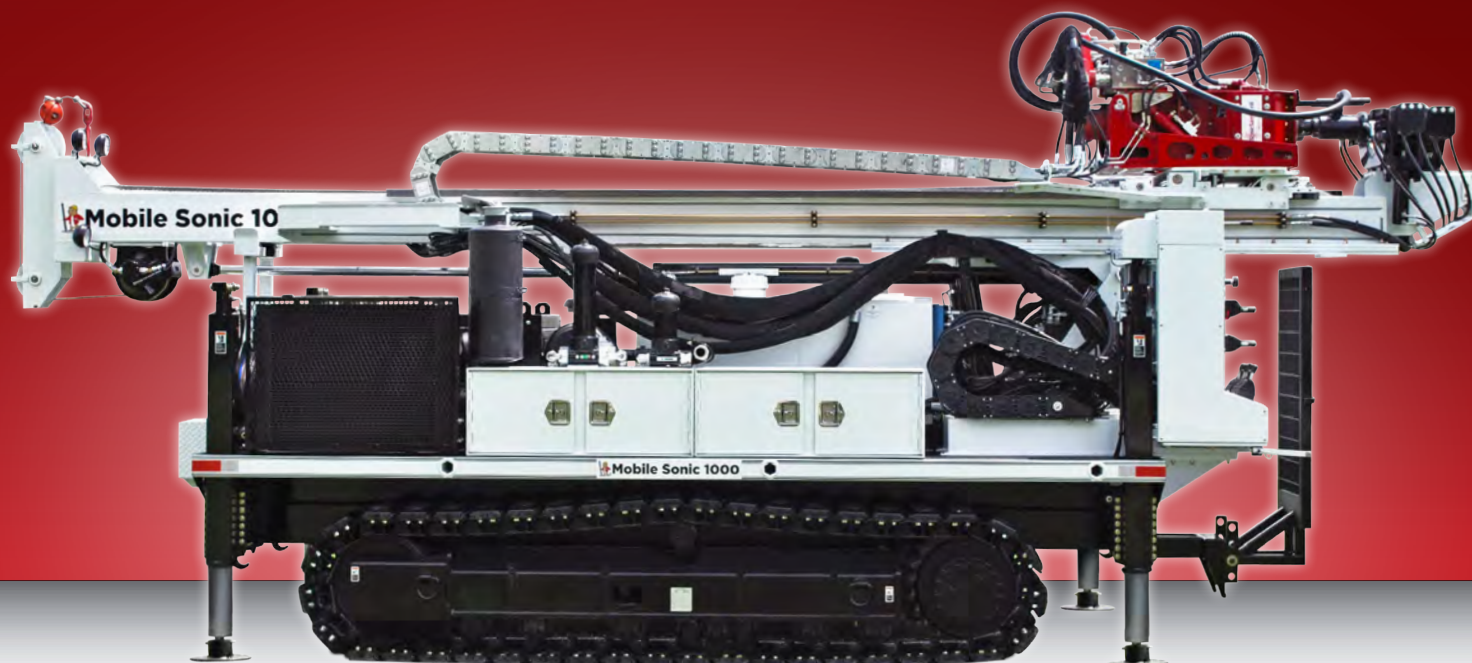




Mobile Drill Intl

YOUR DRILL RIG SALES AND SERVICE EXPERTS SINCE 1947

Mobile Sonic 1000



Safer • Cleaner • Faster

Environmental • Geothermal • Geoconstruction • Geotechnical • Mining • Seismic • Foundation

Sonic Drilling Benefits

- Designed to drill deeper, faster and bigger boreholes
- Sonic head allows rotation and vibration simultaneously
- 2-4 times faster than conventional drilling
- Waste minimization:
Up to 70% less than
conventional drilling
- Compact footprint
with big rig capabilities
- Reduces time on-site
- High return on investment





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Sonic Vibration	Oscillator Output Force	22,000 lbs (97 kn)
	Frequency	0-150 hz
Rotary Function	Sonic Rotary Motor Torque	1,475 ft-lbs (2,000 nm)
	Max Speed	205 rpm
Mast Feed/ Head Travel	Max Retract	17,000 lbs (8.5 tons / 75 kn)
	Max Pull-Down	12,000 lbs (6 tons / 53 kn)
	Head Travel Speed	2 feet/sec (60 cm/sec)
Power and Hydraulic System	System Pressure	3,800 psi (250 bar)
	Hydraulic Flow	80 gpm (303 lpm)
	Hydraulic Power	200 hp (146 kw)
	Diesel Engine	Caterpillar 6.6 L - or - John Deere 6068 - 6.8 L
	Engine Power	Caterpillar 213 hp - or - John Deere 200 hp
	Cooling System	512 kbtu/hr (150 kw)
	Fuel Capacity (2-tanks)	60 gal (228 l)
	Track Speed	3.3 mph (5.3 kph)
Dimensions and Weight	Weight	27,000 lbs (12,247 kg)
	Width	96" (243.8 cm)
	Length (mast Down)	24' (7.32 m)
	Height (mast Down)	10' 9" (3.276 m)
	Height (mast Upright)	25' 4" (7.72 m)
	Mast Stroke	12' (3.66 m)
	Track Carrier	Caterpillar 312 Track
	Track Ground Pressure	6.25 psi (kpa 43.1)
	Track Width	19.7" (50 cm)
	Track Length	11' 4" (3.45 m)
	Ground Clearance	13.9" (35.3 cm)
Options	Winch	Hydraulic 4,500 lbs (2040 kg)
	Water Tank	100 gal (378.5 l)
	High Flow Water Pump	30-50 gpm (114 - 190 lpm) at 600 psi (40 bar)
	Compressor	100 cfm @ 120 psi (827 kpa)
	Progressive Cavity Pump	20 gpm @ 200 psi (75 lpm at 14 bar)
	High Pressure Water pump	4 gpm @t 4,000 psi (15 lpm at 272 bar)
	Rod Handling	Rod manipulator for 3.0"-4.25" OD, 250 ft
	SPT Hammer	Standard Penetration Test, Automatic Hammer
Accessories	Mast Dump	Extend Mast for Angle Borings up to 84" (213 cm)
	Double break out clamp	
	Controls - pilot operated	
	Jack/Stabilizers (3-4)	
	Emergency shut off (3)	
	Working lights (2)	
Tool Boxes		

