SONIC ™

Sonic drilling is an innovative new way to drill holes faster and easier than conventional methods. This advanced drilling technology fluidizes and displaces soil particles away from the drill bit and sides of the drill pipe. This allows for clean, rapid penetration rates in a variety of geological formations to depths in excess of 500 feet. Sonic drilling also provides outstanding ability to provide truly representative continuous cores in most geological formations.

SONIC DRILL CORPORATION
DESIGNERS AND MANUFACTURERS Of WORLD-LEADING SONIC DRILL RIGS

SPECIFICATIONS

POWER SOURCE: PTO Drive from Diesel Truck Engine, Minimum Input is 240 HP @ 2100 RPM, 3 Pad Pump Drive

TRUCK DECK: (4) 4" x 36" Jacklegs w/ Counter Balance Valve, (4) Jackleg Covers, (2) Operators Platforms, Formed & Reinforced Deck Skin, Tubular & Channel Framework, Anti-Slip Surface

MAST: Tubular Construction, 28 FT Head Travel, 37 FT - 8" Overall Length, Hydraulic Cylinder/Chain Driven System, Trolley, Spring Chain Take-up, Chain Tension Equalizer, Fully Enclosed Pullback: 24,000 LBS, Pulldown: 16,000 LBS

JIB HOIST (RETRACTABLE): Main Hoisting Winch, 12,000 LBS Capacity (Bare Drum), 104 FPM, 5/8" x 222 FT Non-Rotating Cable, Swing Cylinder (Jib Swing Interlock & Auto Stop Options also available)

BREAKOUT TABLE: 4"-13" Nominal Clamping Range, Vee-Groove Hardened Inserts, Protective Guards

TRUCK (Recommended Minimum Specifications): Class 7 or 8 Tandem Axle, Double Wall Frame

WATER PUMP (Underdeck Option also available): Triplex Piston Pump, 37 GPM, 1000 PSI, Direct Coupled Hydraulic Motor, Coupling Guard, 2" Camlock w/ Dust Cap, PRV (Other Pump sizes available)

HYDRAULIC SYSTEM: Hydrostatic Circuit 4500 PSI, Pilot Control, Micro Feed, Float Up/Down, Holdback, High/Low Speed Feed Load Sense, Cold Start, Reservoir Capacity 120 Gal.

SONIC HEAD: Model **SONICOR 50K**, Hydraulic 90 Degree Tilting Cylinders

HOSE CARRIER: PowerTrak™ System, High Pressure Hydraulic Tubing

CONTROL CONSOLE: Compact Lightweight Construction, Ergonomic Configuration, Hinged Removable Door, Rear Access Panel, Laser-Cut Aluminum Anodized Face Plate, Key Start, Remote Throttle, Digital Tachometer, & Pilot Control Valves

HYDRAULIC POWERED OIL COOLER: Deck Mounted Unit, 135,000 Btu/Hr @ 35 GPM

- Sonic Drill Corporation originated sonic drilling technology and introduced the concept to the drilling industry
- Our equipment is the result of over 25 years of extensive research and development
- We have a solid history of real world testing with machines in daily operation around the world in a variety of applications

OPTIONS

AUXILIARY WINCH: 5,000 LBS, 72 FPM, 3/8" x 157 FT

ROD BOX: Stores (12) 4 1/2" O.D. x 20 FT Rods

AUX. HELPER CONTROLS: Main & Auxiliary Winches, Jib Boom

GROUT PLANT: Hydraulic Powered, Dual Tub, Moyno Pump, Flow Controls

UNDER DECK BOXES: 2 FT, 4 FT & custom sizes available

ROD SPINNER: 2 1/2"-6", Anti-Torque Arm, Suspension Arm

WORKING PLATFORM: Rear Hinge Mount, Single Stabilizer

WELDER (HYDRAULIC): Many models available

HOT WATER HEATER: 6 GPM, 3000 PSI, 150°F, 420,000 Btu/Hr

PRESSURE WASHER (HYDRAULIC): Many models available

PIPE GUIDES: Sizes 4" through 12"

WIGGLE TAIL (SIDE SHIFT): 10" Stroke

RH/LH TORQUE REVERSAL

POWERED TOWER LOCKS

AUTOMATIC ROD HANDLER

TRUCK / SKID / CRAWLER MOUNTING

ANGLE DRILLING CAPABILITY

The '500' Series is also available in a deck engine configuration. Ask about Model SDC500-28E (Engine). Other models available are: the SDC-200 Series Rotary which is fully convertible into a Sonic rig, and the SDC500-28A Sonic Angle drill rig.

*SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

The SONIC DRILL CORPORATION is the world leader in the design and manufacturing of sonic drill heads, rigs and tooling. Our patented technology has won four prestigious awards and our sonic rigs are in use on six continents and in every application imaginable.

For more information, please:
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Call us at **1-604-588-6080**

37 YEARS 1979 - 2016

SONIC DRILL CORPORATION