



INFRASTRUCTURE AND ENERGY

GEO THERMAL AND
GEO TECHNICAL
APPLICATIONS



HAPPY DRILLING FOREVER WITH PRD RIGS —



PRD GD4

Application	Geotechnical soil investigation
Drilling method	DTH, Rotary, Core drilling, Auger drilling, SPT
Maximum Depth	DTH & Rotary(6"-8") NQ:100 m
Rotary head	330 Nm @ 0 - 1000 rpm 778 Nm @ 0 - 400 rpm 3120 Nm @ 0 - 95 rpm
Rod handling	3 m
Rod pullout	6 m
Pull up force	5000 kgf
Pull down force	3000 kgf
Main winch	3 ton with 25 m (12 mm rope)
Wireline winch	0.5 ton with 150 m (6 mm rope)
Water pump	Triplex water pump Displacement: 80 lpm Pressure: 50 bar
Mounting	Crawler



PRD GD6

Application	Anchoring, Micro Piling, Auger Drilling, Soil Investigation, Soil Nailing, Forepiling
Drilling method	DTH & Rotary
Rotary head	Torque: 4000 - 10379 Nm Speed: 38 - 155 rpm
Pull up force	8361 kgf
Pull down force	4970 kgf
Main winch	2 ton with 30 m (12 mm rope)
Water pump	Triplex water pump Displacement: 80 lpm Pressure: 40 bar



GOOD TO DRILL.

PRD GD8

Application	Water well / Geothermal
Drilling method	DTH / Mud Rotary
Maximum depth	200 m
Rotary head	Torque: 3550 Nm Speed: 0 - 160 rpm
Pull up force	8000 kgf
Pull down force	8000 kgf
Rod handling	4.5 m
Rod handling system	PRD EZ rod handling system
Water pump	Triplex water pump Displacement: 50 lpm Pressure: 49 bar
Mud pump	Hydraulic driven centrifugal mud pump



PRD POLE DRILL

Application	Concrete piling, Conductor casing in Oil & Gas, Pole erection
Drilling technique	DTH
Hole Diameter	450 mm - 1200 mm
Maximum depth	15 m
Pull up force	20000 kgf
Pull down force	8500 kgf
Rotary head	14000 Nm, 0 - 50 rpm
Prime mover	260 hp
Air compressor	2 x 1100 cfm - 300 psi 2 x 1200 cfm - 330 psi





GOOD TO DRILL



PRD 600

Application	Earthing
Drilling method	DTH & Rotary Drilling
Hole diameter range	165 - 203 mm (6 1/2" - 8")
Maximum depth	180 m @ 165 mm (6 1/2")
Pull up force	6350 kgf
Pull down force	3800 kgf
Rotary head	2100 Nm, 0 - 80 rpm
Air compressor	575 cfm - 225 psi
Mud pump	Engine / Hydraulic driven Centrifugal Mud Pump

PRD TMR

Application	Piling, Solar, Exploration
Drilling method	DTH / Rotary / Piling
Drilling capacity	Pile Drilling (water assisted) 1200 mm diameter upto 30 m
Pull up force	7900 kgf
Pull down force	5400 kgf
Rotary head	4000 Nm, 0 - 80 rpm
Air compressor	550 cfm - 200 psi 1100 cfm - 300 psi
Mud Pump	Hydraulic driven centrifugal mud pump



Auger Rig



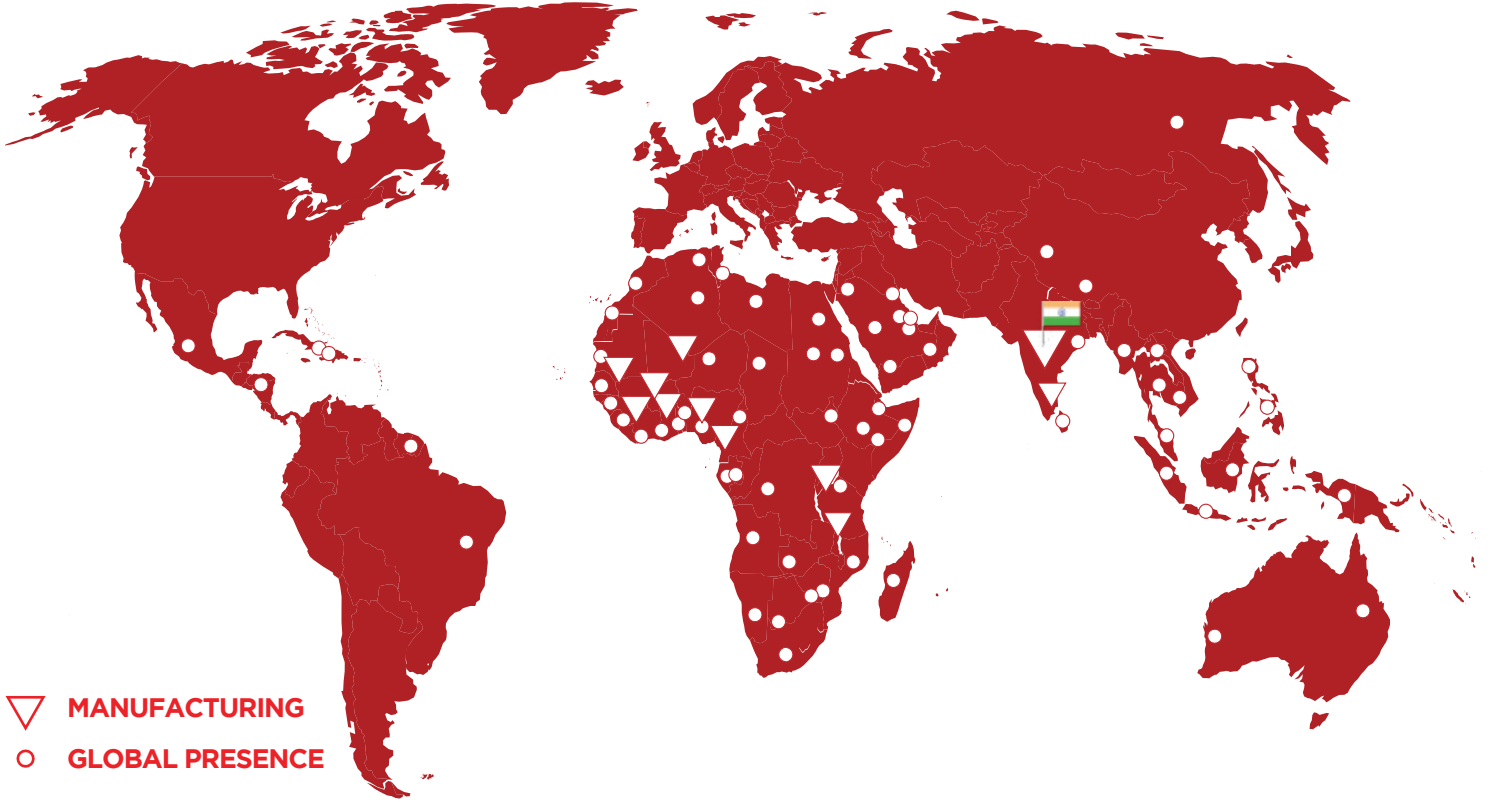
Piling Rig

PRD EX PH

Application	Solar Piling
Drilling method	DTH
Hole Diameter	127 mm - 356 mm
Maximum depth	25 m
Drilling angle	Y axis: 15° Vertical: Both side 25° (LH Side: 10° - RH Side: 15°)
Pull up force	11250 kgf
Pull down force	7700 kgf
Rotary head	6000 Nm, 0 - 130 rpm
Air compressor	1100 cfm - 300 psi
Optional attachments	360-degree camera Centralized lubrication system (CLS) Auto Fire Detection and Suppression System Hose Reel



GLOBAL PRESENCE



SALES & SERVICE CENTERS

- ▽ Nairobi, Kenya
- ▽ Dar Es Salaam, Tanzania
- ▽ Mwanza, Tanzania
- ▽ Bamako, Mali
- ▽ Ja-Ela, Sri Lanka
- ▽ Conakry, Guinea
- ▽ Kankan, Guinea
- ▽ Ouagadougou, Burkina Faso
- ▽ Accra, Ghana
- ▽ Riyadh, Saudi Arabia



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GOOD TO DRILL

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