PRD

GOOD TO DRILL

50 Years of Drilling Passion

EST. 1972

DESIGNED TO PERFORM
BUILT TO ENDURE
GOOD TO DRILL

Water Well Rigs
Blast Hole Rigs

Exploration Rigs
Drilling Accessories

Our Story and the Success

"PRD" founded in 1972, under the leadership of Mr.T.P.Thangaraj, Chairman - PRD Groups, is a leading manufacturer of drilling and mining equipments based in India. One of the largest manufacturers of drilling rigs for Water Well Drilling, Construction, Mining and Geotechnical Exploration.

PRD expanded its manufacturing activities with innovative products like tractor mounted piling rigs, pilot hole rigs for granite and marble segments, state of the art compact crawler mounted PRD spider 1500 drilling rig for water well drilling, Rigs for underground production drilling and blast hole for mining, which are all well received in the perspective market segments.

With the Introduction of the new machines for various applications, the company experienced steady growth and quickly became a major player within the drilling industry.

50
years of legacy

10000+
units sold across the country

30+
models of rig

350+
trained employees

In a world of product-oriented companies that believe to give the best value with mass productions strategies, PRD RIGS INDIA still remains a customer-oriented company ready to solve any technical challenge proposed by clients with specific requirements. Engrained in PRD, is the goal to provide its customers with products of the highest quality and exemplary customer service, something that has never changed.

ISO 9001:2015
BUREAU VERITAS
Certification

GOOD TO DRILL

PRD HC 500 M / ME

Application	Quarrying, Mining, DSI (Dimension Stone Industries) Civil Engineering
Drilling method	DTH
Hole diameter range	90 - 127 mm (3 1/2" - 5")
Drill rod - Dia	76 mm (3")
Maximum depth	15 m (50 ft)
Rotary head	Torque: 1765 Nm Speed: 0 - 50 rpm
Rod handling	3050 mm (10 ft)
Pull up force	1500 kgf
Pull down force	1500 kgf
Suitable compressor	380 cfm / 200 psi 400 cfm / 200 psi 450 cfm / 200 psi
Mounting option	Crawler
Optional attachments	Dust collector, Dust supression system, Electrical motor drive.

GOOD TO DRILL

PRD Core 800

Application	Surface Exploration
Drilling method	Diamond Core
Drill rod size	NQ / HQ / PQ
Maximum depth	NQ: 800 m; HQ: 450 m; PQ: 325 m
Rotary head	Torque: 825 - 3700 Nm Speed: 290 - 1250 rpm
Rod handling	Suitable for 6 m length
Pull up force	7500 kgf
Pull down force	4000 kgf
Drilling angle	45^0 - 90^0
Main winch	7.5 ton with 25 m (16 mm rope)
Wireline winch	1.5 ton with 850 m (6 mm rope)
Water pump	Displacement : 140 lpm Pressure: 750 psi
Mounting option	Crawler / Skid

PRD Core 1600

Application	Surface Exploration	
Drilling method	Diamond Core	
Drill rod size	NQ / HQ / PQ	
Maximum depth	NQ:1600 m; HQ: 1000 m; PQ: 750 m	
Rotary head	Torque (Nm) 5500 - 2950 830 - 445	Speed (rpm) 105 - 196 700 - 1300
Rod handling	Suitable for 6 m length	
Pull up force	16000 kgf	
Pull down force	7500 kgf	
Drilling angle	45^0 - 90^0	
Main winch	15 ton with 30 m (22 mm rope)	
Wireline winch	2 ton with 1700 m (6 mm rope)	
Water pump	Displacement : 140 lpm Pressure: 1000 psi	
Mounting option	Crawler	

GOOD TO DRILL

PRD OZ RC

Application	Surface Exploration
Drilling method	DTH
Hole diameter range	115 - 140 mm (4 $^{1}/_{2}$" - 5 $^{1}/_{2}$")
Maximum depth	400 m
Rotary head	Torque : 6545 Nm Speed : 0 - 100 rpm
Rod handling	6 m
Pull up force	25800 kgf
Pull down force	17700 kgf
Suitable compressor	1500 cfm - 400 psi 1350 cfm - 425 psi
Drilling angle	45^{0} - 90^{0}
Wireline winch	0.5 ton with 400 m (4 mm rope)
Mounting option	Truck / Crawler
Optional attachments	ICE Package, EZ Rod Handling System, JIB Boom Rod Handling.

GOOD TO DRILL

PRD EX 65

Application	Blast Hole for Coal - Limestone - Surface Mines
Drilling method	DTH
Hole diameter range	115 - 165 mm (4 1/2" - 6 1/2")
Maximum depth	20 m
Rotary head	Torque : 3561 Nm Speed : 0 - 125 rpm
Rod handling	6 m / 10 m
Single pass depth	10 m (Optional)
Pull up force	7000 kgf (1:3) / 5296 kgf (1:4)
Pull down force	4350 kgf (1:3) / 3628 kgf (1:4)
Suitable compressor	600 cfm - 200 psi 1100 cfm - 300 psi
Mounting option	Suitable excavator 20 ton and above
Optional attachments	Manual Single Rod Changer, Dust Supression System, Dust Collector, Camera, Digital Display, Angle Indicator, CLS, Fire Supression System.

GOOD TO DRILL

PRD PC 500

Application	Mining, Quarrying
Drilling method	DTH / Top Hammer
Hole diameter range	DTH: 102 - 115 mm Top Hammer: 34 - 60 mm
Maximum depth	DTH: 15 m Top Hammer: 9 m
Rotary head	Torque: 960 Nm Speed: 60 rpm
Pull up force	550 kgf
Pull down force	750 kgf
Suitable Compressor	DTH: 450 - 550 cfm / 150 - 200 psi Top Hammer: 400 - 600 cfm / 100 psi
Mounting option	Crawler

PRD EX 500 D

Application	Quarrying, Mining, DSI (Dimension Stone Industries), Civil Engineering
Drilling method	Hydraulic Top Hammer
Hole diameter range	32 - 45 mm (1.25” - 1.75”)
Maximum depth	10 m
Top hammer	Torque : 110 Nm Speed : 150 - 200 rpm
Onboard compressor	60 cfm Hydraulic motor driven Compressor, Reciprocating screw compressor
Rock drill capacity	10 KW
Percussion pressure	100 to 130 bar
Operation controls	Radio Remote, Manual, Anti Jamming Circuit.
Mounting option	Suitable excavator 20 ton and above

GOOD TO DRILL

PRD AUTOLOADER

Application	Water Well
Drilling method	DTH & Rotary
Hole diameter range	165 - 203 mm (6 1/2" - 8")
Maximum depth	2000 ft (610 m)
Rotary head	Torque: 3090 Nm Speed: 0 - 80 rpm
Pull up force	11790 kgf
Pull down force	7184 kgf
Suitable compressor	1100 cfm - 300 psi 1200 cfm - 330 psi
Sensor unit assembly	False fault detection siren system, Rod count, GPS - display with android app
Additional Attachments	HMI digital display on control box
Mounting option	BS4 - AL 2523 / AL 2518 BS6 - AL 2825 / AL 2820 BS6 - TATA 2823
Optional attachments	Centrifugal Mud Mump Hydraulic Hammer Opener - 6" Hammer, 3 rope pulling, Manual lever operation for auto loading 180 dia feed cylinder.

PRD SPIDER 1500

Application	Water well
Drilling method	DTH & Rotary
Hole diameter range	4 1/2" to 6 1/2"
Maximum depth	365 m
Rotary head	Torque : 3090 Nm Speed : 0 - 80 rpm
Pull up force	6800 kgf
Pull down force	4600 kgf
Suitable compressor	1100 cfm - 300 psi 1200 cfm - 330 psi
Mounting option	Crawler
Optional attachments	Top winch 10 feet rod handling

GOOD TO DRILL

PRD MAX DRILL 6000

Application	Geothermal applications, Production well
Drilling method	DTH & Rotary
Hole diameter range	165 - 508 mm (6 1/2" - 20")
Maximum depth	1500 m
Rotary head	Torque: 17000 Nm Speed: 0 - 170 rpm (fine controlled) Tilting angle: 0° - 90°
Rod handling	9 m
Pull up force	60000 kgf
Pull down force	22420 kgf
Control system	Remote operation
Safety system	All mine safety features as standard

PRD CATWALK ROD LOADER

Application	Onshore drilling operations
Tubular length (Max)	9.14 m - Range II
Tubular OD range	89 - 355.6 mm
Tubular weight	3200 kgs
Jaw handling range	89 - 355.6 mm
Boom extension	1.5 m (with wear nylon strip)
Tubular tray	Tilting range: 0° - 90° Tray travel: 630 mm
Gripper assembly	Gripper assembly with floating arrangement Float stroke length = 128 mm
Drill floor height range	2 m
Rod storage capacity	12 rods (Rod dia =127 mm)
Working dimensions	7.627 x 3.808 x 2.045 m
Mounting options	Skid / Crawler
Optional attachments	Power pack

Tractor Piling Rig (TPR)

GOOD TO DRILL

PRD TRACTOR MOUNTED RIG

Application	Construction, Solar, Exploration, Geo Technical, Core, RC, Water well, Piling
Drilling method	DTH / Rotary
Hole diameter range	DTH: 6 1/2" Piling: 1200 mm
Maximum depth	DTH: 200 m Piling: 75 m
Rotary head	Torque : 4000 Nm Speed : 0 - 80 rpm
Pull up force	7900 kgf
Pull down force	5400 kgf
Suitable compressor	600 cfm - 200 psi 1100 cfm - 300 psi
Mounting option	Tractor 75 / 95 hp (4x4)
Optional attachments	20 ft Rod handling mast, Top Winch, Centrifugal Mud Pump, RC Drilling, Core Drilling, Geo Technical Drilling with SPT

GOOD TO DRILL

PRD GD 6

Application	Anchoring, Jet Grouting, Micro Piling, Auger Drilling, Soil Investigation, Soil Nailing, Forepiling
Drilling method	DTH & Rotary
Rotary head	Torque : 4000 - 16200 Nm Speed : 38 - 155 rpm
Pull up force	8361 kgf
Pull down force	4080 kgf
Main winch	2 ton with 30 m (12 mm rope)
Water pump	Triplex Water Pump Displacement: 80 lpm Max. Pressure: 40 bar
Mounting option	Crawler
Optional attachments	Depth indicator on control panel, Remote tramming, DTH Drilling attachment

GOOD TO DRILL

PRD GD 4

Application	Geo technical soil investigation
Drilling method	DTH, Rotary, Core Drilling, Auger Drilling, SPT
Maximum depth	DTH : 100 m; Rotary : 100 m; NQ: 100 mtr
Rotary head	330 Nm @ 0 - 910 rpm 778 Nm @ 0 - 390 rpm 3120 Nm @ 0 - 95 rpm
Rod handling	3 mtr
Rod pullout	6 mtr
Pull up force	5000 kgf
Pull down force	3000 kgf
Drilling angle	90° Vertical
Main winch	3 ton with 25 m (12 mm rope)
Wireline winch	1 ton with 100 m (6 mm rope)
Water pump	Triplex water pump Maximum flow: 100 lpm Maximum pressure: 70 bar
Mounting option	Crawler
Optional attachments	Depth indicator on control panel Remote tramming DTH Drilling attachment

GOOD TO DRILL

PRD GD3

PRD GD4 ATV

PRD GD5 ME

PRD GD5

PRD GD6

PRD GEO TECHNICAL RIG

GOOD TO DRILL

PRD 650

PRD SPEED STAR

PRD SPIDER 650

PRD 650 ON CRAWLER

PRD GOLD RC

PRD COMPRESSOR CARRIER

GOOD TO DRILL

DTH Hammer & Bits

Tricone Bits

Drag Bits / Clay Bits

Drill Rod

Auger Bit

Piling Bit

AUTHORIZED DEALER

SON-MAK
MAKİNE - İNŞAAT - SONDAJ SAN. TİC. LTD. ŞTİ.

HIGH PRESSURE WATER PUMP

TP-80H

Configuration	Horizontal Triplex Pump
No of Piston	3
Water Flow	75 l/min
Water Bar Pressure	48 bar
Speed Rating	625 rpm
Pump Weight	95 kg (210 lbs)
Dimension (l x w x h)	740 x 620 x 450 mm

TP-135H

Configuration	Horizontal Triplex Pump
No of Piston	3
Water Flow	135 l/min
Water Bar Pressure	68 bar
Speed Rating	625 rpm
Pump Weight	209 kg (210 lbs)
Dimension (l x w x h)	880 x 775 x 520 mm

Manufacturing Unit

GOOD TO DRILL

PRD RIGS INDIA PVT LTD

GOOD TO DRILL

CORPORATE OFFICE

351, Sankari Main Road, Tiruchengode (Tk),
Namakkal - 637 209, Tamil Nadu.

+ 91 98427 51745

+ 91 4288 255467

sales@prdrigs.com

www.prdrigsindia.com

For Spares & Services Support

1800 123 775 533

Sales & Services Centers

- Chennai
- Khammam
- Chimakurthy
- Indore