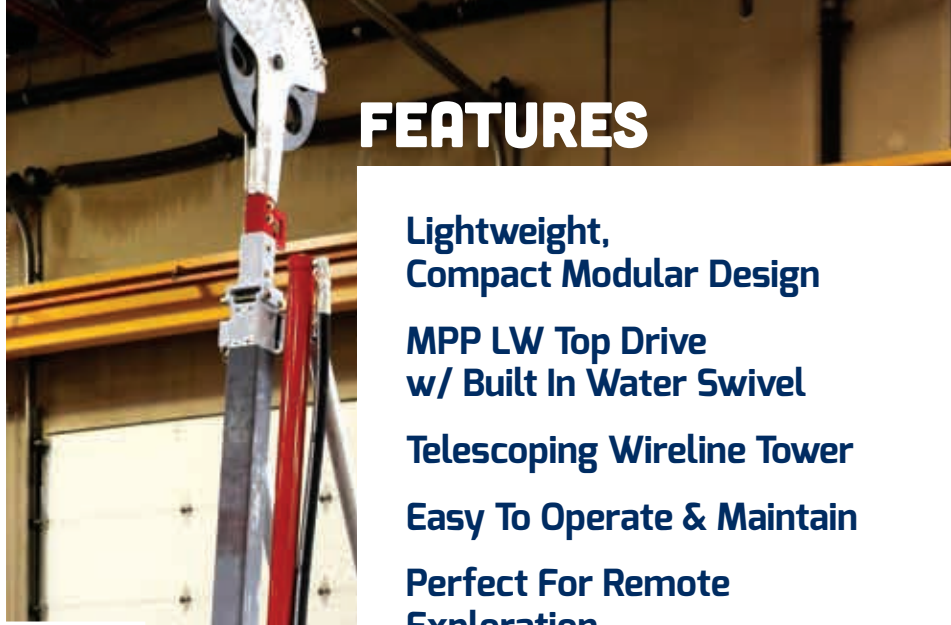


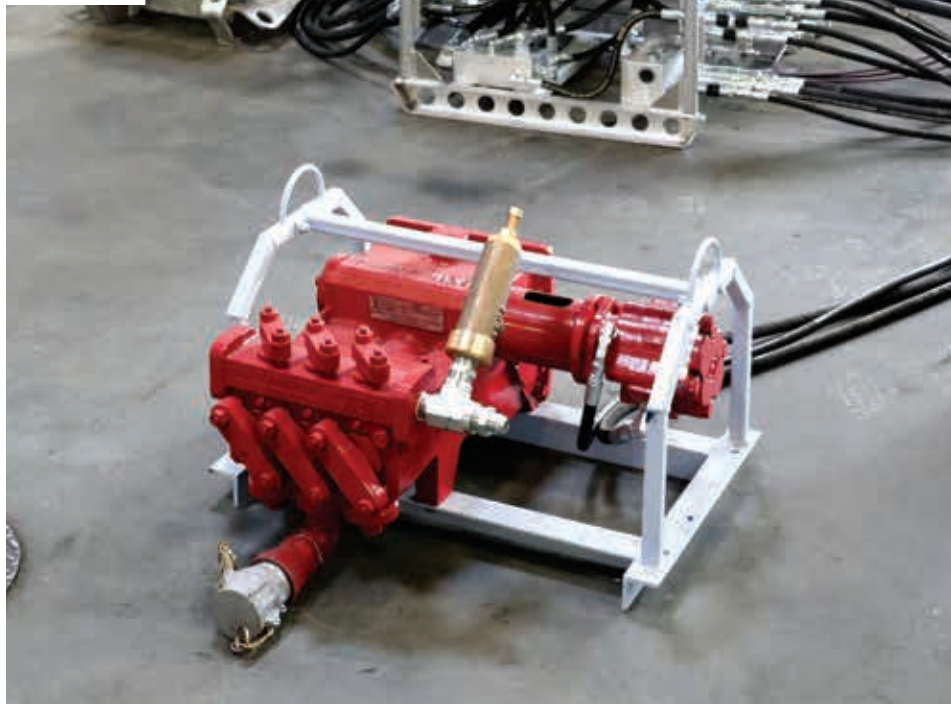
DISCOVERY MP500
Man Portable Diamond Core Drill

MULTI▶POWER



FEATURES

- Lightweight, Compact Modular Design**
- MPP LW Top Drive w/ Built In Water Swivel**
- Telescoping Wireline Tower**
- Easy To Operate & Maintain**
- Perfect For Remote Exploration**



Discovery MP500 – Man Portable Diamond Core Drill

SPECIFICATIONS

DEPTH CAPACITIES: Based on max pullback and a 25% safety factor

B:	2625 ft / 800 m
N:	1640 ft / 500 m
H:	985 ft / 300 m

PRIME MOVER

Standard units (3):	Kubota V1505T, 4 cylinder, turbo charged diesel engine
Power:	44 HP @ 3000 RPM
Optional unit (3 or 4):	Kubota D1105T, 3 cylinder, turbo charged diesel engine
Power:	32 HP @ 3000 RPM

ROTATION UNIT

Standard unit:	MPP LW top drive w/ built in water swivel
Spindle connection:	NWJ Box
RPM:	1400 RPM
Torque:	500 ft-lbs.
Hydraulic motor:	Rineer MV015 2 speed vane motor

FOOTCLAMP

Standard unit:	MPP 2 cylinder jaw style clamp
Maximum opening:	4-1/2" (P size)

MAST AND FEED

Feed stroke:	72"
Pullback:	14,000 lbs.
Pulldown:	7510 lbs.
Drill angle:	45 to 90 degree
Tower:	5 ft & 10 ft barrel pull capacity

WATER PUMP

Standard unit:	L0918B-CD (420) piston pump
Capacity:	24 GPM @ 700 PSI

WINCHES

Wireline winch:	Hydraulic motor direct drive
Capacity:	2000 ft of 3/16" cable

HYDRAULIC SYSTEM

Controls:	Manual hydraulic, no electronics
System pressure:	3500 PSI
Filtration:	10 micron
Heat exchanger:	Water:oil

INCLUDED COMPONENTS

Mud mixer c/w whip lines
2000 ft of W/L cable
1 set of rod and casing jaws/bushings
Rod and winch guarding

WEIGHT 3500 LBS

OPTIONS

RC conversion package
Level wind winch
Diesel driven supply pump
Mud tank package
French/Spanish labels & manual



Diamond Core



Seismic



Air Rotary



**Specialty &
Multi-Purpose**

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