



The **XT400MP** is an ultra modern all-hydraulic **Top Head Drive** drilling rig with 1.7 metres of feed travel and 3 metre rod hauling capacity.

The rig is equipped with a Rineer Rotation Head which was developed from the oil field and develops an almost flat torque curve from start up to maximum rpm. The drill head hinges to one side, for clear access to the drill string for either rod hauling or core retrieval.

## Standard Design Features

<b>Drill Mast</b>	Mast: Lightweight. Breaks into two sections. Drilling Range: -45° to -90° (vertical)
<b>Rod Clamps</b>	Hydraulically operated rod clamps: NQ, HQ & PQ jaws
<b>Wireline Winch</b>	Capacity: 1000 metres (4 mm, non-rotating wire rope) Maximum pull – bare drum: 10 kN
<b>Hydraulics</b>	Sauer Danfoss pumps Closed Loop for rotation, and Open Loop for all other functions Full flow 10 micron 'Beta rated' return oil filtration
<b>Jacks/Stability</b>	4 x manual type each integrated with helical piling screws to hold the rig down.
<b>Engine Power</b>	Lightweight. 135 horsepower diesel engine Engine protection: auto shut down system
<b>Depth Capacities *</b>	BQ - 1150m NQ - 730m HQ - 400m PQ – 200m
<b>Rotation Drill Head</b>	Rineer: hydraulic driven, hollow shaft, high torque, infinitely variable.
<b>Rotation Output Torque</b>	557 ft/lbs @ 1000 rpm.
<b>Feed System</b>	Infinitely variable with fine control over feed pressure and holdback. 1.7 meter feed stroke
<b>Pull Down Force</b>	7496kg
<b>Pull Back Force</b>	12455kg
<b>Main Hoist</b>	Single line pull: 6227kg
<b>Water Pump</b>	BD42 Aluminium Triplex Mud Pump: hydraulic driven, 2 speed 160 lpm (42 USgpm) @ 2758 kpa (400 psi) 120 lpm (32 USgpm) @ 3792 kpa (550 psi)

<b>Tranportation</b>	<p>The rig breaks down into the following components.</p> <ul style="list-style-type: none"> <li>Wireline Winch with 500m of 4mm Wire Rope: 85kg</li> <li>Rotation Head &amp; Feed Assembly: 120kg</li> <li>Triplex Mud Pump: 85kg</li> <li>Hydraulic Pumps: 75kg</li> <li>Hydraulic Tank: 150kg</li> <li>Mast Cylinder: 120kg</li> <li>Control Panel: 95kg</li> <li>Power Pack: 187kg</li> <li>Base Frame: 120kg</li> </ul>
<b>Shipping Dimensions</b>	2 units per 20' container

*\* Core Drilling depth capacities quoted are nominal and based on straight vertical holes. No allowance is made for downhole friction losses due to broken ground, etc.*

Specifications are valid as of December 2012 and are subject to change by Bundok in accordance with their policies to update and improve their products.