

SPECIAL RIGS

EUROMATIC RIG – Highly semi-automated land rig, designed for small and sensitive locations to handle the most challenging drilling operations.

EUROMATIC RIG GENERAL FEATURES

- Climate: Temperate -20°C to +40°C
 - Drawworks capacities: Up to 2,000 hp
 - Hook load capacity: Up to 1,060,000 lbs / up to 480 t
 - Drilling depth capacities: Up to 24,250 ft / up to 7,400 m
 - Pipe handling capacities: 2 7/8" to 20" diameter
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- DIN EN, CE, SIL, ATEX certified equipment
 - HAZOP risk assessment
 - Testing & commissioning



EUROMATIC RIG 480 t

Rating: 2,000 hp / 480 t

Static hook load: 1,060,000 lbs @ 12 lines / 480 t

Design drilling depth: 24,250 ft / 7,400 m

UNIQUE FEATURES

- Box-on-box type substructure
- Freestanding mast
- Segmented mast sections, erected by crane
- Innovative mechanized pipe handling
- Entirely remote operation from drillers' cabin
- Hands off philosophy
- Noise reduced equipment and rig components made by Bentec
- Mechanical and electrical components fully integrated by Bentec
- Air operated mud treatment system
- Less NPT with Bentec TOP DRIVE

TECHNICAL DATA

EUROMATIC RIG 480 t

The innovative Bentec EUROMATIC RIG 480 t was designed to handle the most challenging drilling tasks contractors face. With the lowest noise emission, greatest degree of hands-off operation, highest productivity and smallest footprint, the EUROMATIC RIG offers a host of attractive features.

The Bentec EUROMATIC RIG 480 t follows the already proven, highly mobile, modular and flexible EURO RIG™ concept with a focus on safety and limited environmental impact.

One of the rig highlights is its innovative, fully remote-controlled pipe handling system, where the handling process is divided into two phases that occur simultaneously and shorten trip times without compromising safety.

The rig is equipped with numerous leader-of-the-class Bentec components, such as the Bentec TOP DRIVE, drawworks, mud pumps, power control and drillers' cabin, incl. infoDRILL™.

TECHNICAL DATA

MAST

Manufacturer:	Bentec
System:	freestanding
Mast free height:	113.00 ft (34.50 m)
Mast base:	24.00 ft x 6.00 ft (7.50 m x 2.10 m)
Hook load capacity @ 12 lines:	1,060,000 lbs (480 t)

SUBSTRUCTURE

Manufacturer:	Bentec
System:	Box-on-box substructure
Height of drill floor:	29.50 ft (9.00 m)
Height underneath rotary table:	24.30 ft (7.40 m)
Rotary capacity max.:	1,000,000 lbs (450 t)

DRAWWORKS

Manufacturer:	Bentec
Type:	DW-E-2000-AC
Power rating:	2,000 hp (1,470 kW)
Drilling line diameter:	1 1/2" (38 mm)
Max. line pull:	105,000 lbs (47.7 t)

IRON ROUGHNECK

Manufacturer:	Original Equipment Manufacturer Controls by Bentec
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TOP DRIVE

Manufacturer:	Bentec
Type:	TD-500-HT
Load capacity:	500 ton / 454 t
Electric motors:	1,030 hp (758 kW)
Output torque:	46,500 ft-lbs (63,000 Nm)

POWER GENERATION

Manufacturer:	Bentec
Engine type:	4 x CAT 3512 B (or equivalent)
Generator type:	4 x CAT SR4 (or equivalent)
Emergency generator engine:	1 x CAT C15 (or equivalent)

POWER CONTROL ROOM

Manufacturer:	Bentec
Type:	Variable frequency drive Split type (2 containers) 690 V, 50 Hz

MUD PUMPS

Manufacturer:	Bentec
Type:	3 x MP-T-1600-AC
Electric motor:	1,600 hp (1,200 kW) AC
Max. pressure:	7,500 PSI (500 bar)

MUD TANK SYSTEM

Manufacturer:	Bentec
Type:	Rectangular tanks
System:	Mud treatment system with remote air-controlled valves arrangement
Active mud volume:	1,277 bbl (203 m ³)
Reserve mud volume:	1,635 bbl (260 m ³)

SOLIDS REMOVAL SYSTEM

Manufacturer:	Original Equipment Manufacturer
Shale shaker:	3 x MD3 triple deck
Drilling mud degasser:	Bentec type DMD 1-250
Mud gas separator:	Bentec 48" vertical type MGS V 48

PIPE HANDLING SYSTEM

Manufacturer:	Bentec
Type:	mechanized, remote operated
Vertical pipe manipulator, skiddable pipe conveyor:	3 t, range II doubles, 2 7/8" to 20" tubular
Pipe storage:	24,279 ft (7,400 m), 5" (107 mm) DP (range II, doubles)
Casing storage:	13,123 ft (4,000 m), 13 5/8" Casing