

PLATFORM RIGS

600 TONS OFFSHORE DRILLING PACKAGE



Hydraulic offshore drilling package unit for fixed installed platforms

- › Hydraulic cyber rig with telescopic doubles mast
- › Automatic pipe rack with extendable capacity
- › Tremendous reduction of HSE exposures
- › Horizontal bucking unit for time reduction
- › Extremely powerful top drive
- › Compact rig design
- › XY skidding for pad drilling
- › Turnkey drilling package
- › Made in Germany

**AUTOMATED
RIG TECHNOLOGY**


**HERRENKNECHT
VERTICAL**

Offshore rig package TI-600 DPU

Technical specifications



HOOK LOAD

- › Max. hook load: 590 mt (650 sht) at saver sub

MAST*

- › Type: telescopic twin profile
- › Height (extended): 41 m (135 ft)
- › Width: 10 m (32 ft)

SUBSTRUCTURE*

- › Type: single lift framework with XY skidding unit
- › Dimensions: 10 m × 12 m × 11 m (32 ft × 39 ft × 36 ft)
- › Installed equipment: HPU, MCC, BOP hoist, closing unit, trip tank

HOISTING SYSTEM*

- › Type: double cylinder system
- › Hoisting power: 2,400 kW (3,200 hp)
- › Stroke: 24 m (79 ft)
- › Brake: hydraulic lowering brake valves

Ultra sensitive operation due to multi-valve hydraulic control.

TOP DRIVE*

- › Type: HV TD H 650-1340
- › Max. static load: 590 mt (650 sht)
- › Max. push load: 160 mt (175 sht)
- › Max. rotary speed: 220 rpm
- › Max. continuous rotary torque: 120,000 Nm (88,500 ft-lbs)
- › Rated power: 1,000 kW (1,340 hp)
- › Drive: hydraulic

Including IBOP, pipe handler and dolly with torque pick-up.

ROTARY TABLE*

- › Table opening: 1,257 mm (49 ½")
- › Load rating: 590 mt (650 sht)
- › Rated power: 120 kW (160 hp)
- › Drive: hydraulic

RIG POWER SUPPLY*

- › Hydraulic power unit: 4 × 600 kW (4 × 800 hp) drives all components including hoisting system, top drive, rotary table and pipe handling system

PIPE HANDLING SYSTEM*

- › Type: automated horizontal racking system with horizontal-to-vertical pipe handler
- › Pipe length: doubles range 2
- › Max. tripping speed: 600 m/h (1,970 ft/h)
- › Drive: hydraulic

The complete pipe handling system is designed to handle drill pipe in doubles range 2, drill collars and casing. The controls are semi-automated and the system is operated by the pipe handling operator or the driller.

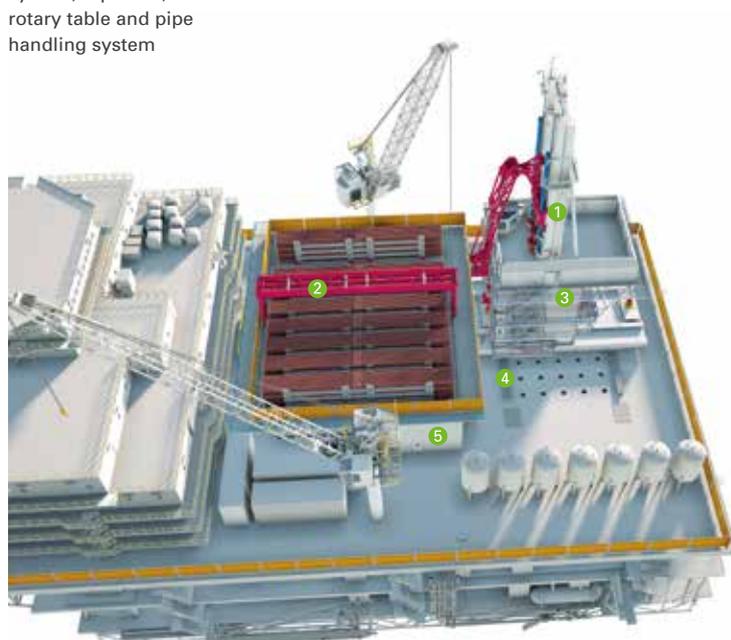
An integrated anti-collision system ensures a safe pipe handling process during all operations.

DRILLER'S CABIN*

- › Controls: joystick, trackball and touch screen with camera control

* Components manufactured by Herrenknecht Vertical

- 1 Drilling package
- 2 Pipe storage
- 3 Rig substructure
- 4 Skidding unit
- 5 Supplies building



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