

Herrenknecht AG

Advancement in Technology Have Improved Worker and Job Site Safety

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Trailer Rigs – HK150T to HK500T

- ▶ Trailer-based Rigs for easy Transport
- ▶ Fast easy set up – No Large Excavators Required

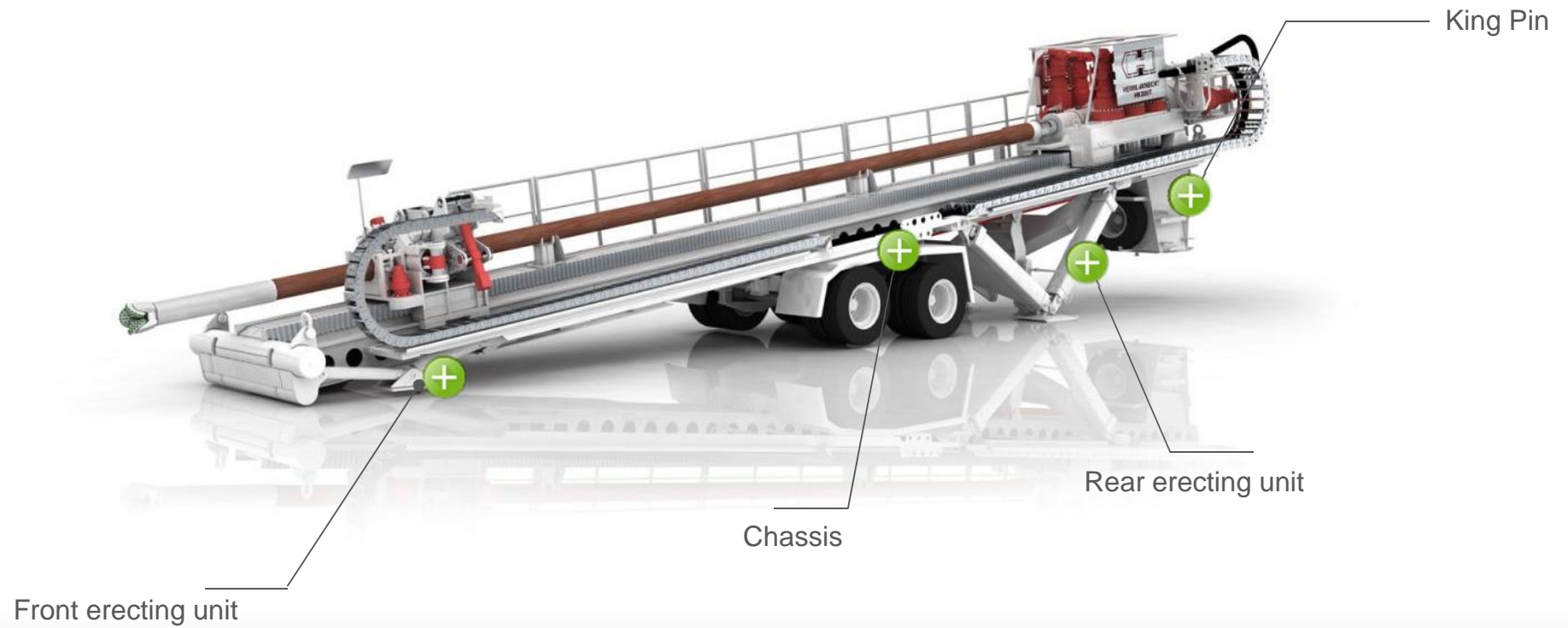


HK250T in transport position



HK500T in transport position

Ease of Set Up





HDD Power Pack

- ▶ Containerized 20ft Power-Pack
- ▶ Noise Insulated - 80 dba or less at 21 feet
- ▶ Collecting Tray for all Fluids

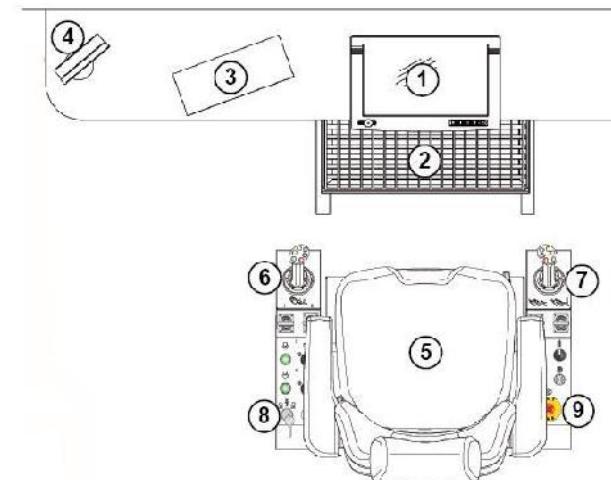


HDD Control Cabin

- ▶ Smart operating by ergonomic drillers chair and joysticks
- ▶ PLC system with touch-screen visualization



HDD Control Cabin



1	Touchscreen	6	Joystick left
2	Keyboard	7	Joystick right
3	Remote control bentonite high pressure power unit	8	Key switch ON/OFF
4	Bentonite pressure manometer	9	Emergency stop
5	Operator working position		

All commands to control the machine are given via the control cabin.

Camera System

- ▶ Camera System on rig and/or pipe-site



Easy to Reach Safety Stops



Herrenknecht. Pioneering Underground Technologies

No Hitting Pipe Supports



Carriage/Wrench Stop



Warning Light and Transport Horn



Load Measurement

- ▶ Direct measuring of push/pull force and torque
- ▶ No measuring failures through a gear-box or hydr.- pressure



Optional Equipment → Pipe Loading System

- ▶ Pipe-Loading System for all Rig available
- ▶ Capacity of 5 drill rods (5", 5.1/2", 6.5/8")
- ▶ Pipe Loading out of the Control Cabin by the Driller
- ▶ Loading Crane can also be adapted



Optional Equipment → Extreme weather packages (Summer/Winter)

- ▶ Winter package to -20°C
- ▶ Extreme Winter package to -40°C
- ▶ Summer package to +55°C
- ▶ Extreme Summer package to +60°C



Cabine - Remote Area Access

- ▶ Access to the rig, to solve problems
- ▶ Also customer gets remote access
- ▶ Data logging files can be downloaded from the office



Additional HDD Equipment – Mobile Break Out Unit

- ▶ Tool for safe make-up & break-out on pipe-site → hands off
- ▶ Diameter up to 10“ or 12“
- ▶ Driven by a 22kW stand-alone Power-Pack



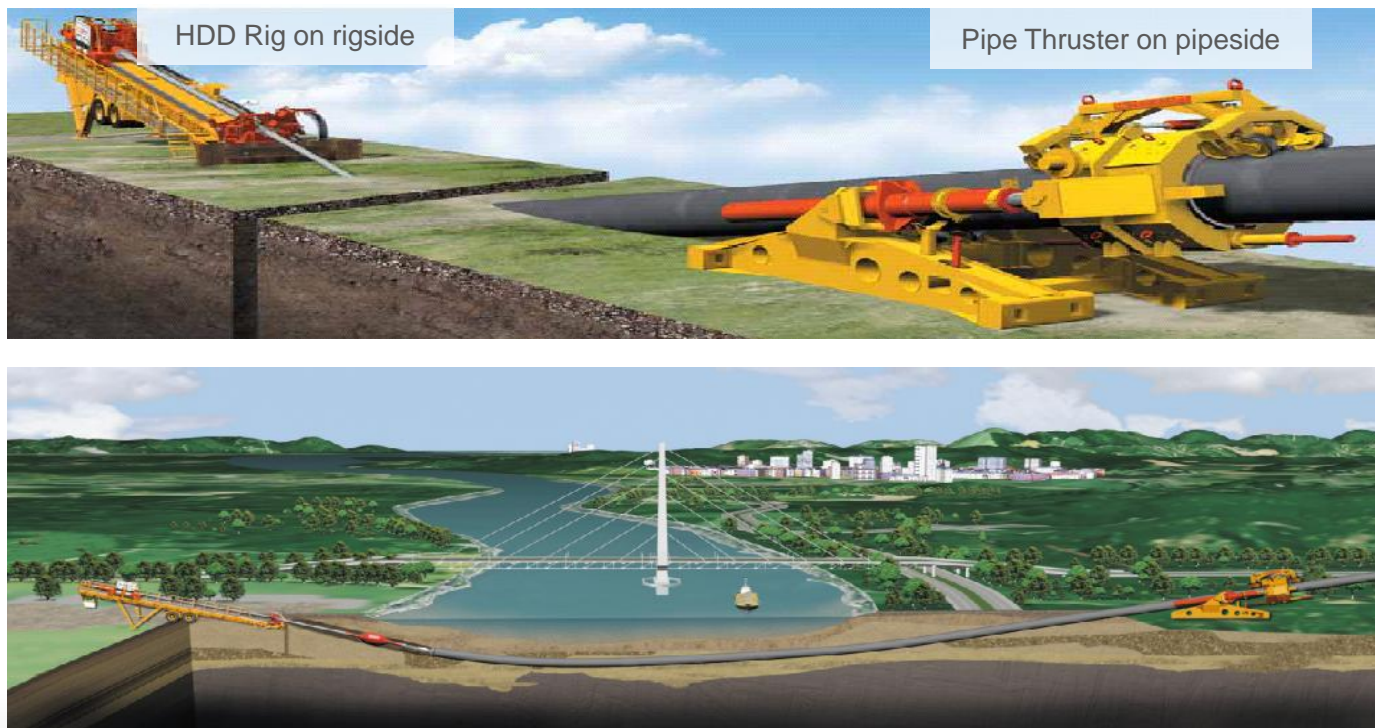
Additional HDD Equipment – Full Face Hole Opener



Additional HDD Equipment – Down Hole Jet Pump



HDD Assistance Tool during Pipe Pull-in. Safer installation of large pipelines with HDD.



Environmental FreindlyDirect Pipe®

One-step installation

- Fast and safe installation of product pipes and pipelines



Pipe Express® technology.


Components of equipment.



Pipe Express® technology.

Narrow pipeline corridors.





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