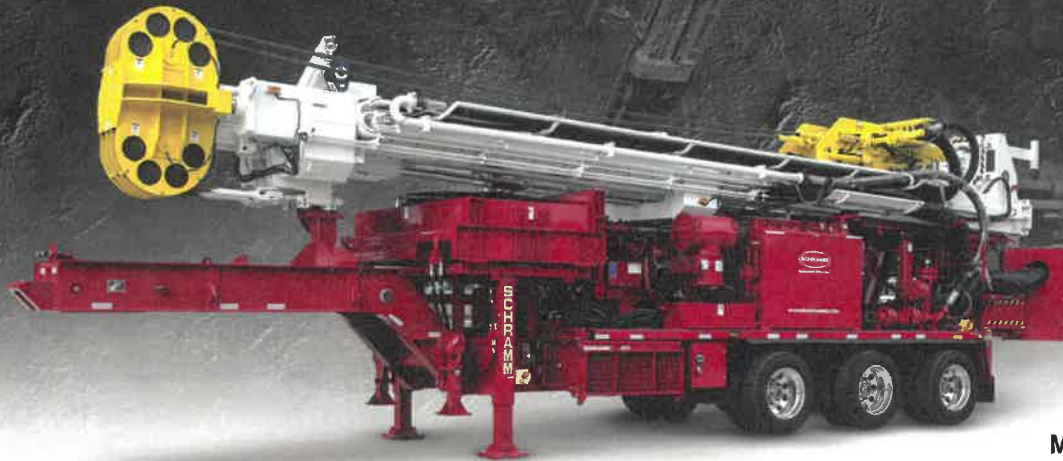


# SCHRAMM

Breaking Ground, Building Trust.



MINERAL EXPLORATION ■■■  
MINE RESCUE ■■■  
ENERGY ■■■  
MUNICIPAL WATER WELL ■■■

## T130XD OPTIONAL SLIDING ANGLE TELEMAST

Nothing beats a T130XD Telemast® rig in its operating class, until you meet the new T130XD with optional sliding angle mast. Designed for mineral exploration using dual tube reverse circulation air drilling, the sliding angle mast option provides a convenient way to drill any angle hole up to 45° from vertical in increments of 5°, when used with special single pipe loading systems.

For energy and water well applications that typically run on the vertical, the T130XD trailer can be configured with a heavy capacity tilting top head that is fully compatible with LoadSafe®, Schramm's trailer mounted, fully automated pipe handling system. LoadSafe offers the highest degree of operator safety available in the industry today, and is in extensive use worldwide.

Any climate, any terrain, Schramm rigs are built your way, delivering maximum performance and reliability in the most extreme environments on earth.

- Up to 130,000 lbf ( 578 kN) pullback capacity
- Up to 32,000 lbf (142 kN) pulldown capacity
- Range III tubular capability in the vertical position,
- Range II in sliding angle mode
- Precise hydraulic weight on bit control
- Rotation brake for directional drilling available
- Sub base required for trailer applications



### LOADSAFE

Trailer mounted drill pipe, collar and casing handling system safely and precisely lifts tubulars from horizontal rack position into alignment with the tilting top head.



**TILTING TOP HEAD DRIVE**  
Aligns with LoadSafe® for hands free Range III tubular handling.



**POWER SLIPS**  
Eliminate manual slips to dramatically increase rig floor safety.



**HYDRAULIC ROUGHNECK**  
Accommodates tubulars with torque capacities up to 55,000 ft-lbs (74,570 N-m).

# T130XD MULTI-PURPOSE RIG



## SPECIFICATIONS

### DECK ENGINE

- MTU 12V-2000TA DDEC Tier 2
- 760 bhp (567 kw) @ 1800 rpm
- 2 x 110 gallon (415 l) fuel tanks
- Electric starter, diesel air shutdown system

### COOLING

- Two core, side by side heat exchanger with 60 inch (1.52 m) fan
- 130°F (54°C) ambient design temperature

### TRAILER

- Three axle gooseneck trailer with aluminum rims and 275/70R22.5 tires
- Hendrickson tri-axle air ride with 60 inch (1.52 m) axle spacing
- Axle capacity 25,000 lbs (11,340 kg)
- Detachable 10 ton single axle tag axle dolly with air ride

### MAST

- Telescoping mast design permits long head travel and working height, yet short overall length in transport position
- Free-standing mast design
- Hydraulically operated adjustable mast feet
- 69 ft 9 inches (21.25 m) overall height fully extended
- 42 ft 9 inches (13 m) overall height retracted for transport

### TILTING TOP HEAD DRIVE

- Heavy duty, single reduction gearbox with multiple disc valve type hydraulic motors
- Infinitely variable rotation speed via HRC control
- Maximum Torque: 8,884 ft-lbs (12,045 N-m)
- Rotation Speed: 0-143 RPM
- Maximum operating pressure: 3,000 psi (208 bar)

### FEED SYSTEM

- 50 ft (15.24 m) head travel, 34 ft (10.4 m) in angle mode
- 130,000 lbf (578 kN) hoist capacity
- 125 fpm (38.1 m/min) pullback speed
- 32,000 lbf (142 kN) pulldown
- 270 fpm (82.3 m/min) pulldown speed

### DRILL TABLE

- Table Opening: 20 inches (508 mm) or 28 inches (711 mm) with table retracted
- Hydraulically retractable slip box

### DRILL PIPE AND CASING

- Range III tubular capability in vertical mode, Range II in angle mode
- 28 inch (711 mm) maximum diameter through the slip box

### OUTRIGGERS

- Dual Front - 5 inch (127 mm) bore x 36 inch (0.91 m) stroke
- Dual Rear - 5 inch (127 mm) bore x 41 inch (1.04 m) stroke

### WINCH

- Planetary design with spring applied hydraulic release brake
- 9,600 lbf (42.7 kN) bare drum line pull
- 150 fpm (46 m/min) bare drum line speed
- Hydraulic jib boom swing and extend

### HYDRAULIC SYSTEM

- Open loop load sensing system
- 200 gallon (760 l) system capacity
- 7 micron filtration

### WATER INJECTION SYSTEM

- 35 gpm (132.5 lpm) water pump @ 1,000 psi (69 bar) maximum flow
- Electric foam pump

### TOOL LUBRICATOR

- Positive displacement, air operated piston type pump
- Oil flow: 0 - 5.0 g/hr (0 - 19 l/hr)

### LIGHTING AND ELECTRICAL SYSTEM

- 24 volt DC electrical system

### RIG WEIGHT AND DIMENSIONS

Note: For general illustration only net of tag dolly, varies with rig configuration

- OA length, transport: 46 ft (14 m)
- OA width: 9 ft 6 inches (2.9 m)
- OA height, transport: 13 ft 6 inches (4.1 m)
- Trailer weight: 95,000 lbs (43,091 kg)

### STANDARD ACCESSORIES

- Tool box, pipe handling sling, breakout wrench, 50 hour maintenance kit

### OPTIONAL EQUIPMENT

- Flooded reverse plumbing
- Casing rotator
- Reverse circulation package
- Auxiliary winch controls
- LoadSafe pipe handling system - limited angle capability
- Tier 4 Cat C-18 engine available for domestic applications
- See your Schramm representative for additional available options

Rig performance is directly related to conditions encountered in the field. Rig specifications presented here are theoretical values based on a 100% efficiency factor. Schramm, Inc. continuously improves its products and reserves the right to change specifications, design, prices, and terms at any time without notification or obligation. These specifications do not extend any warranty, expressed or implied, nor do they or Schramm, Inc. make or imply any representation of the machine's merchantability or fitness for a particular purpose.

**Headquarters**  
800 E. Virginia Avenue  
West Chester, PA 19380  
USA

**Schramm Australia (Perth)**  
54 Banksia Road  
Welshpool, WA 6106  
AUS

**AirDrill Hammers & Bits**  
60 Paramount Dr.  
Wangara, WA 6065  
AUS



Phone: +1 610-696-2500  
Fax: +1 610-696-6950

Phone: +61 8 9334-5900  
Fax: +61 8 9334-5910

Phone: +61 8 9302-5317  
Fax: +61 8 9302-3715