

INSPIRING TRENCHLESS TECHNOLOGIES



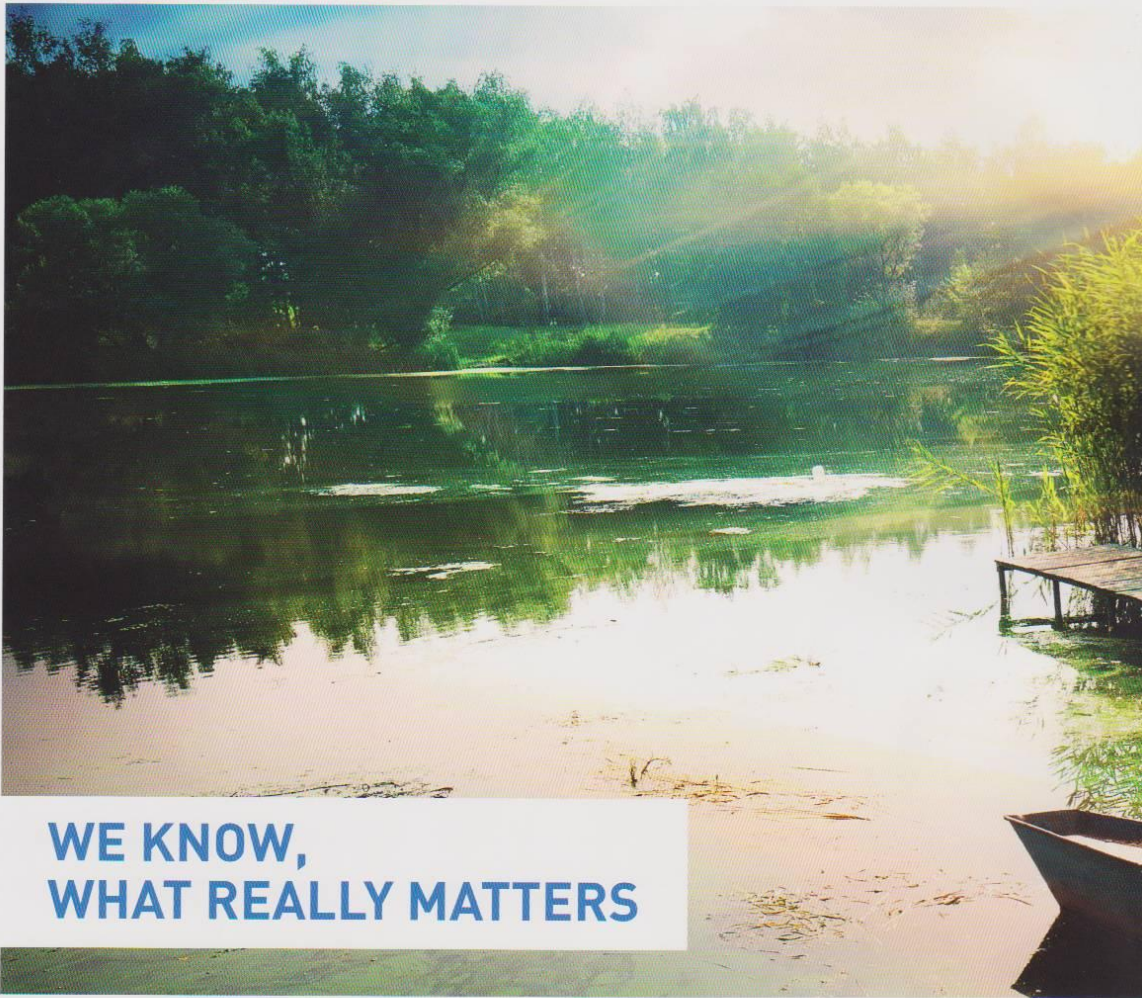
TRACTO-TECHNIK



**INTELLIGENT
AND POWERFUL**

GRUNDODRILL
Fluid-assisted HDD Rigs





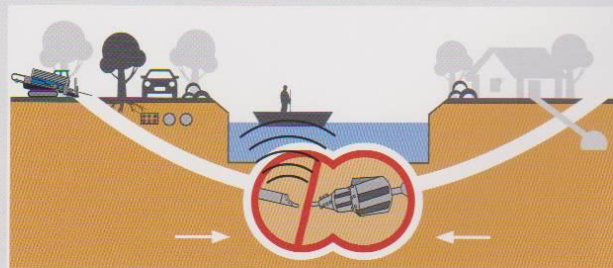
WE KNOW, WHAT REALLY MATTERS

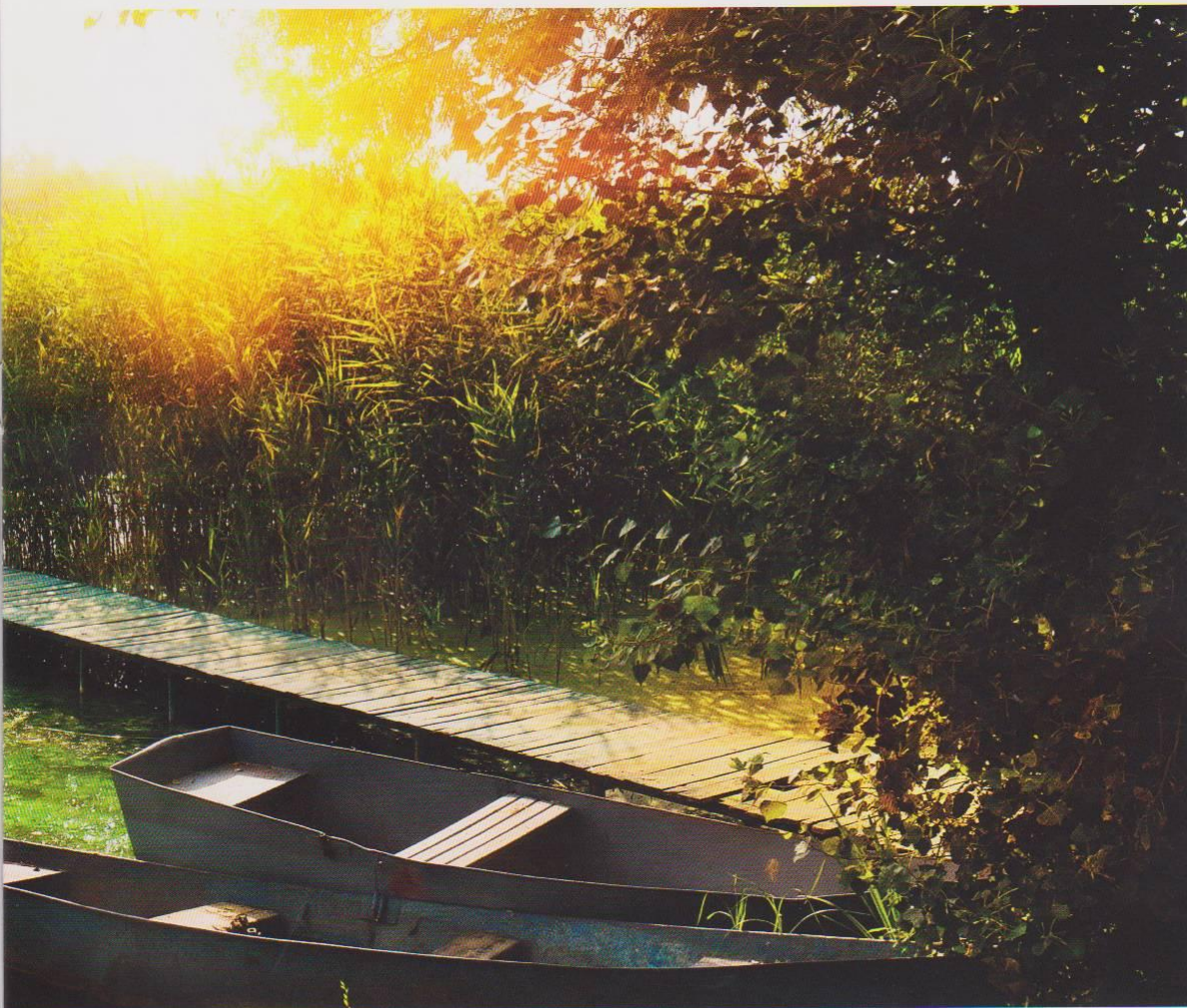
The „mole technology“ is widely-used in the civil engineering branch. Its share compared to open trenching is ever increasing because the underground installation and renewal of supply and disposal pipes bears major technical and economical advantages.

These advantages are due to excavation and re-instatement work being almost omitted and the short construction times. They show especially when producing property service connections and when crossing much frequented roads.

Trenchless installation protects the environment. That means: no surface disruption, no

problems with inhabitants, minimal excavation, less construction machines plus avoidance of traffic jams, diversions and repair work, as well as low emission of noise, CO₂ and fine dust particles.





ADVANTAGES

- 5 powerful machine types
- the slim design allows drilling with minimal clearance to buildings
- high corrosion protection, e.g. due to fully galvanised rod boxes
- the engine hood is made of weather-proof GRP
- the electronics are shock- and vibration-proof
- high manufacturing quality and certified supplier components (motors, pumps etc.)
- highly resilient, fail-safe and service reduced
- high value stability
- wide application range
- compatible with tensile load measuring unit with bore data log according to the latest standards
- additional safety: prototype testing by the trade organisation



ECONOMICAL
CONSUMPTION



LONG
SERVICE LIFE



PACEMAKER FOR SUCCESS

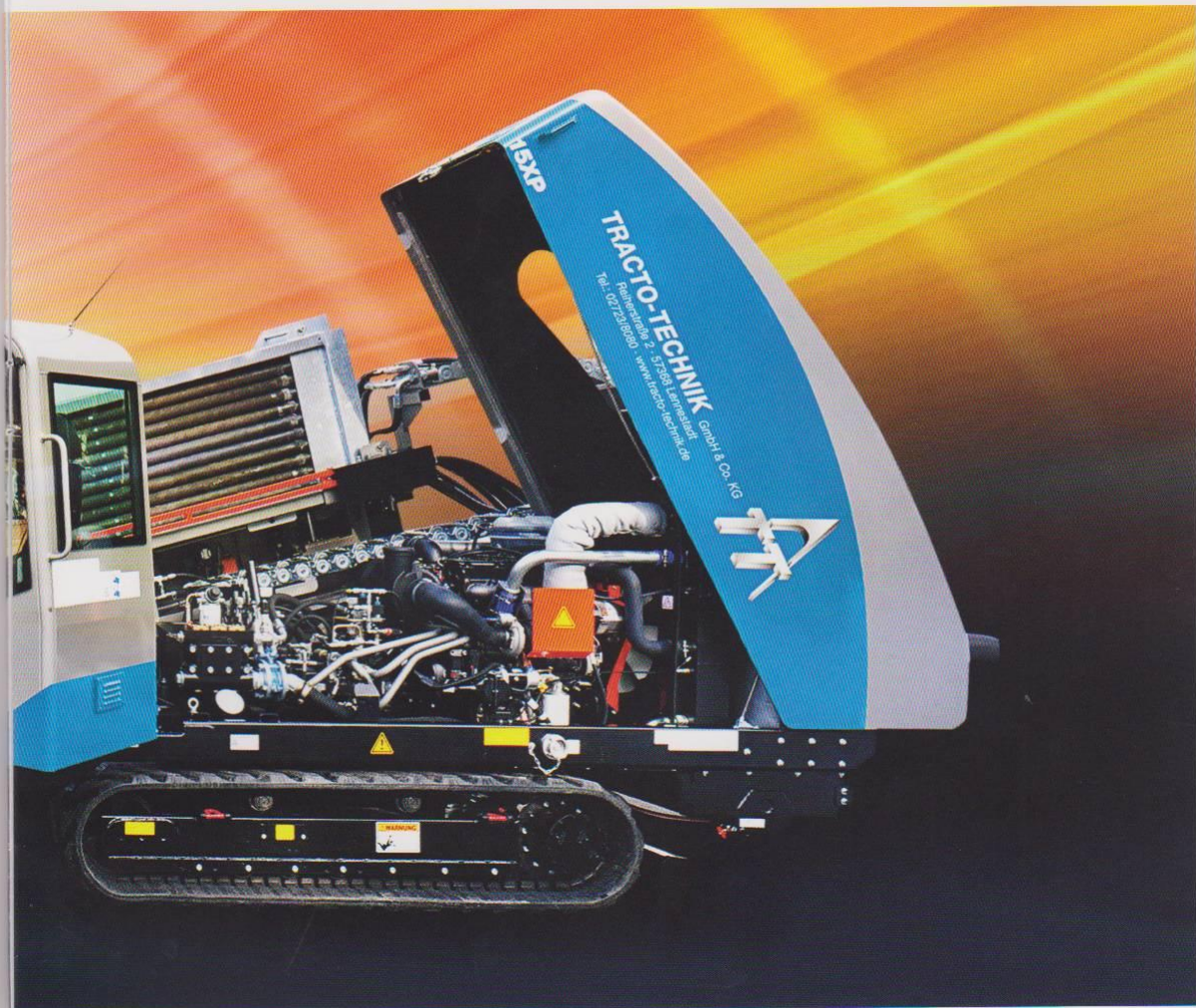
THE HDD FLEET OF TRACTO-TECHNIK

Along with the fluid-assisted mini drill rigs GRUNDOFIT and GRUNDODRILL^{4x}, four further GRUNDODRILL models with the following basic configuration are available:

- Drill rig with tracked undercarriage stabilisers
- spacious cabin, comfortable seat, joysticks, LCD display
- fully galvanised rod box
- semi-automatic rod exchange system*
- semi-automatic clamp and break-away facility*
- Anchoring system with drilling fluid collecting tray
- high-capacity Bentonite HP pump on board the drill rig
- bore data log according to the latest standards - telemetry data transfer (remote diagnosis via modem)
- bore automatics to relieve the operator from routine functions, short drilling times, optimal and very gentle pull-back of the rods and output-regulated control of the drilling drive*

In addition, we can provide the large drilling technology of our partner PRIME DRILLING.

*depending on model



GRUNDODRILL^{4X}



GRUNDODRILL^{15XP}



GRUNDODRILL^{15XPT}



GRUNDODRILL^{25N}



GRUNDODRILL^{18ACS}



A WORK PLACE FOR HIGH-TECH PILOTS

COMFORTABLE CABIN IN EVERY DETAIL

The cabin features a heater, air conditioning optional, hinged window, windscreen wipers, heat-absorbing glass, hazard warning lamp, two external headlamps, lockable cabin, anti-theft device, footboard, radio with CD player.

A place where you can enjoy your work, at last.

Depending on model:

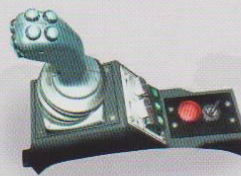
- spacious and pivotable
- large panorama view
- ergonomically adjustable operator's seat
- multifunctional joystick control
- function control via LCD display
- quick-diagnosis with telemetry transfer
- display and log of the drilling data
- display and log of the tensile load forces



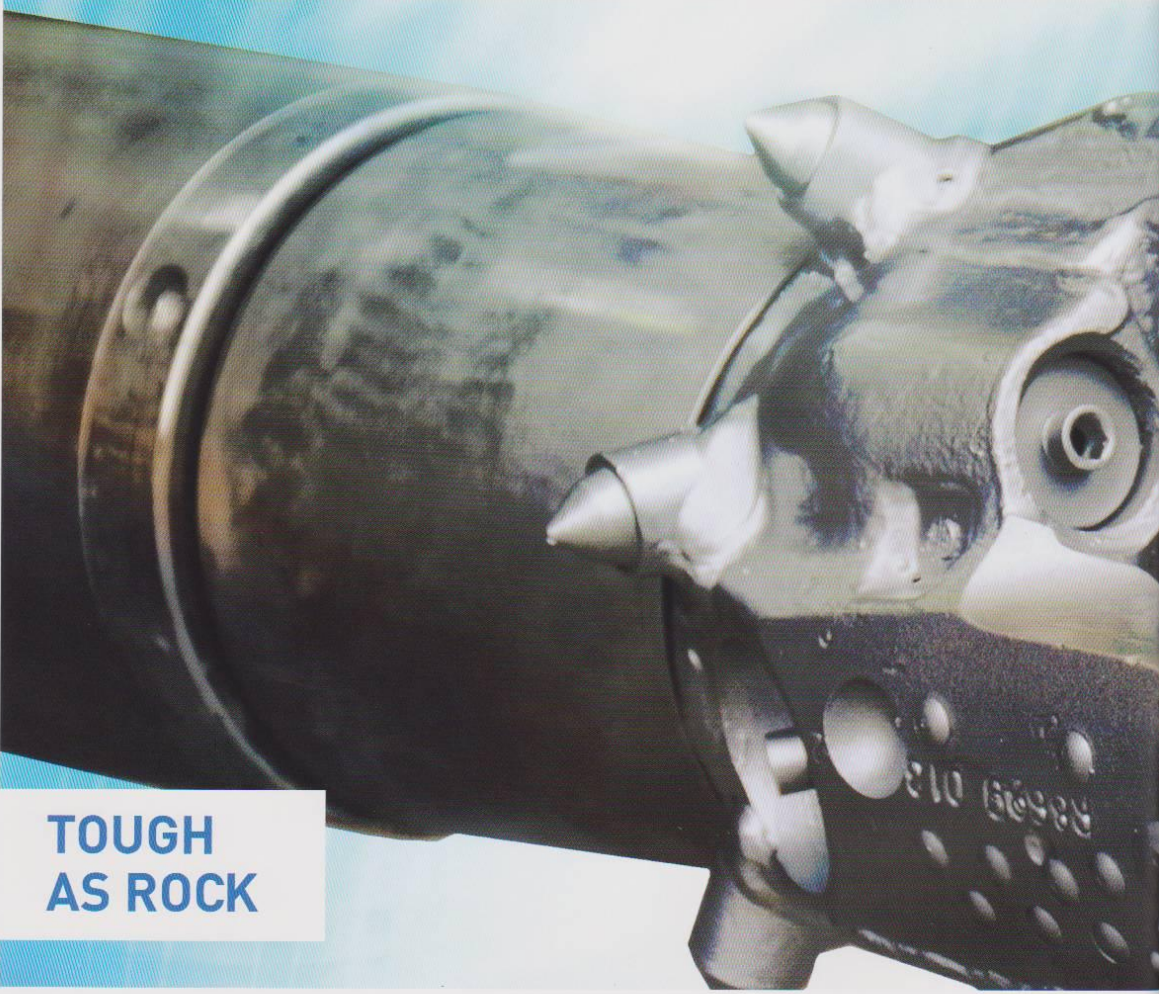
LCD display



Comfortable cabin



Multifunction joystick control



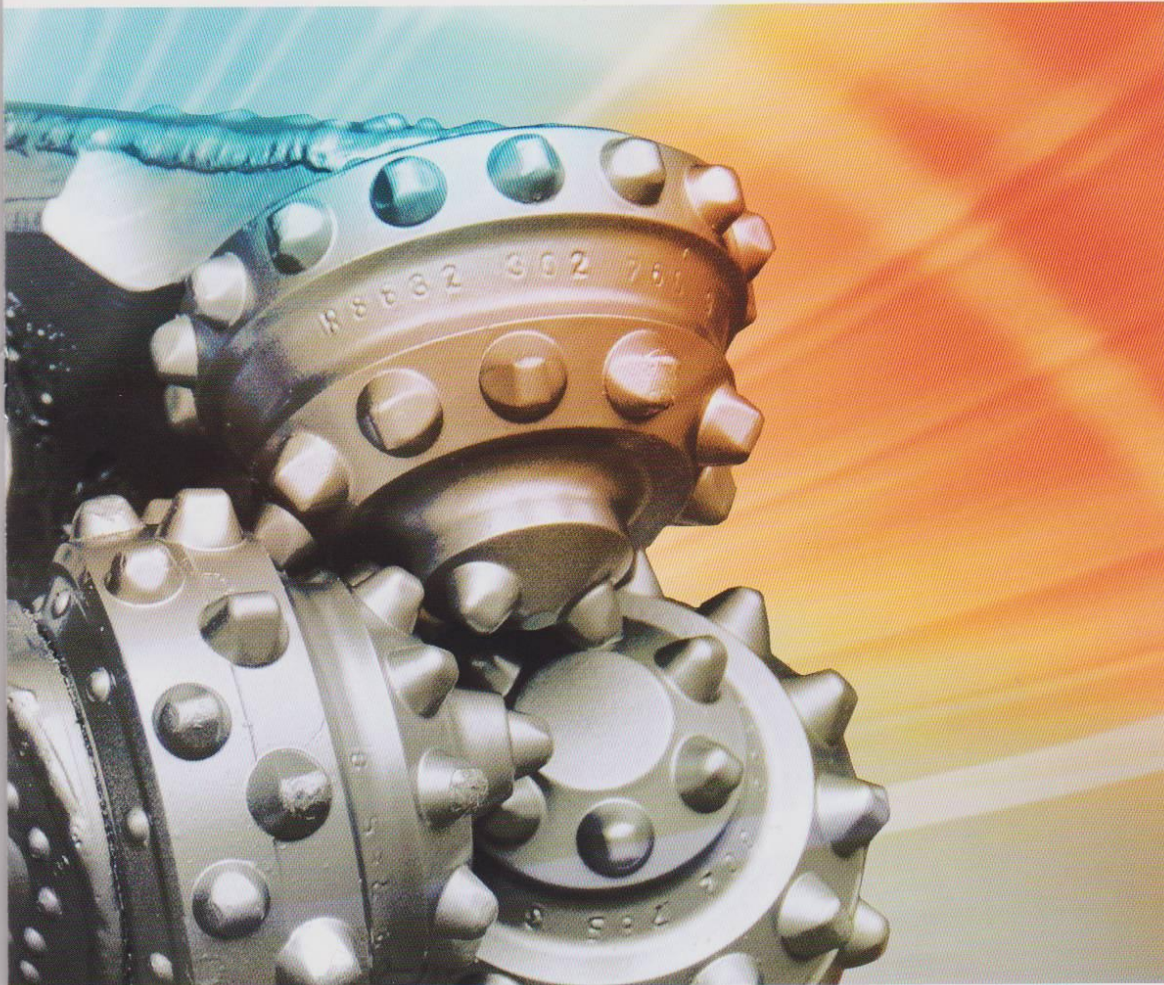
TOUGH AS ROCK

ORIGINAL ACCESSORIES FOR CHALLENGING CONSTRUCTION JOBS

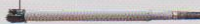
Due to the diversity of different soil types there is a wide range of drilling tools to achieve the best drilling progress possible.

TRACTO-TECHNIK offers a wide choice of different drilling tools so you can cope with any job, even bores through solid rock.

www.directional-drilling-accessories.com



TD 61 rods
TD 73 rods
TD 82 rods



ELICON 95
Twin tube rods
for rock drilling



Medium Soil Reamer



Hard Soil Reamer



Hard Soil Rockreamer



Hole opener



FULL SERVICE SUPPORT

MIXING SYSTEMS

A first-class drilling fluid technique is a major component of successful drilling operations. Drill rig and tooling together with the the TT drilling fluid technology are the perfect combination for efficient work - even in problematic soils.

Efficient mixing systems and pumps guarantee a high flow rate. To prepare drilling fluids, which are perfectly adapted to the soil, professional measuring equipment and drilling fluid additives are available

Ask for special in-house training courses.



Mixing system MA07



Mixing system MA09



Mixing system MA10



Truck layout



Truck layout

TECHNICAL DATA



Model

Basic equipment

GRUNDODRILL^{4X}

- Kubota diesel engine with 28 kW driving power
- Control station with easy to survey control panel
- 1 multifunctional joystick
- Hydraulic anchor bore unit swivels in three positions
- Remote control
- Drill rod magazine with 32 drill rods for 48 m
- Stabilisor, rubberised steel track undercarriage

Performance data

L x W x H [mm]	3.965 x 1.200 x 1.530
Weight incl. rods [kg]	2.140
Rod magazine contents [m]	48
Inclination angle	15°
Thrust and pullback force [kN]	43
Max. torque [Nm]	1.300
Max. spindle speed [rpm]	230
Pilot bore Ø [mm]	80
Drill rods Twin Drive Ø [mm]	48/38
Effective rod length [mm]	1500
Upsizing Ø* [mm]	≤ 250
Outer pipe Ø* [mm]	≤ 160
Bore length* [m]	≤ 100
Min. bore radius [m]	25
Max. driving speed [km/h] 2 stages	2
Fresh water tank [l]	-
Super-silenced [dB (A)]	82,5
Max. engine output [kW]	28
HP Bentonite pump [l/min]	-



GRUNDODRILL 15XP

- Cummins motor T4i for driving and drilling, 119 kW
- drill rig with rubber track undercarriage, stabilisor(s)
- spacious cabin, comfortable seat, joysticks, LCD display
- fully galvanised rod box
- semi-automatic rod exchange system
- semi-automatic clamp and break-away facility
- anchoring system with drilling fluid collecting tray
- powerful HP Bentonite pump on board the rig
- drilling data logging – telemetry data transfer
- optional:
bore automatics, percussive hammer, high pressure cleaner, wireless remote control, rubberised steel track undercarriage

6.150 x 1.850 x 2.400
 10.035
 210
 11°-20°
 147
 4.500
 190
 100
 62/54
 3.000
 ≤ 500
 ≤ 400
 ≤ 350
 42
 1,5/3,0
 100
 66
 119
 200



GRUNDODRILL 15XPT

- Cummins motor T4i for driving and drilling, 123 kW
- drill rig with rubber track undercarriage, stabilisor(s)
- spacious cabin, comfortable seat, joysticks, LCD display
- fully galvanised rod box
- semi-automatic rod exchange system
- semi-automatic clamp and break-away facility
- Anchoring system with drilling fluid collecting tray
- powerful HP Bentonite pump on board the rig
- Bore data log – telemetry data transfer
- optional:
bore automatics, percussive hammer, high pressure cleaner, wireless remote control, rubberised steel track undercarriage

6.150 x 1.850 x 2.400
 10.780
 180
 11°-20°
 160
 6.500
 190
 115
 73/63
 3.000
 ≤ 550
 ≤ 450
 ≤ 400
 55
 1,5/3,0
 100
 66
 123
 225 (320)



GRUNDODRILL 25N

- Cummins motor T4i for driving and drilling, 224 kW
- drill rig with rubberised steel track undercarriage, stabilisor(s)
- spacious cabin, comfortable seat, joysticks, LCD display
- fully galvanised rod box
- fully automatic rod exchange system
- semi-automatic clamp and break-away facility
- Anchoring system
- powerful HP Bentonite pump on board the rig
- Bore data log – telemetry data transfer
- optional:
Bore automatics, percussive hammer, high pressure cleaner, wireless remote control

7.025 x 2.530 x 2.900
 19.000
 288
 12°-30°
 250
 10.000
 180
 140/170
 82
 3.000
 ≤ 900
 ≤ 710
 ≤ 500
 75
 3,3/5
 155
 76
 224
 500

TECHNISCHE DATEN



Model

Basic equipment

GRUNDODRILL 18AC5

- Cummins motor T4i for driving and drilling, 126 kW
- drill rig with rubber track undercarriage, stabilisor(s)
- spacious cabin, comfortable seat, joysticks, LCD display
- fully galvanised rod box
- semi-automatic rod exchange system
- semi-automatic clamp and break-away facility
- Anchoring system with drilling fluid collecting tray
- powerful HP Bentonite pump on board the rig
- drilling data logging - telemetry data transfer
- optional:
automatic / fully automatic drilling, high pressure cleaner, wireless remote control, rubberised steel track undercarriage

Performance data

L x W x H [mm]
Weight incl. rods [kg]
Rod magazine contents [m]
Inclination angle
Thrust and pullback force [kN]
Max. torque [Nm]
Max. spindle speed [rpm]
Pilot bore Ø [mm]
Drill rods Ø [mm]
Effective rod length [mm]
Upsizing Ø* [mm]
Outer pipe Ø* [mm]
Bore length* [m]
Min. bore radius [m]
Max. driving speed [km/h] 2 stages
Fresh water tank [l]
Super-silenced [dB (A)]
Max. engine output [kW]
HP Bentonite pump [l/min]

TD73	TD82
6.700 x 2.300 x 2.570	6.700 x 2.300 x 2.570
15.200	15.200
225	210
12°-30°	12°-30°
180	200
7.500	10.000
200	200
115	140/170
73/63	82
3.000	3.000
≤ 600	≤ 600
≤ 500	≤ 500
≤ 400	≤ 400
55	75
3,3/5	3,3/5
130	130
66	66
126	126
320 (400)	320 (400)

SUPPORT FOR HDD DRILLING

TAKE ADVANTAGE OF OUR SERVICE FEATURES

We offer a multitude of services along with our products.



SERVICE HOTLINE

Do you have any questions on our products and services?

Please call us: **+49 2723 808-0**



INTERNET

Visit our website and catch up on the different products and applications.

www.TRACTO-TECHNIK.com



YOUTUBE CHANNEL

Get inspired by our application videos:

www.youtube.com/TractoTV



TRAINING

We provide a diversified training programme which is attended by more than 3.000 participants annually.

Elicon 95 (rock)

6.700 x 2.300 x 2.570

15.200

120

12°-30°

180

7.500

200

165

95

3.000

≤ 600

≤ 500

≤ 400

55

3,3/5

130

66

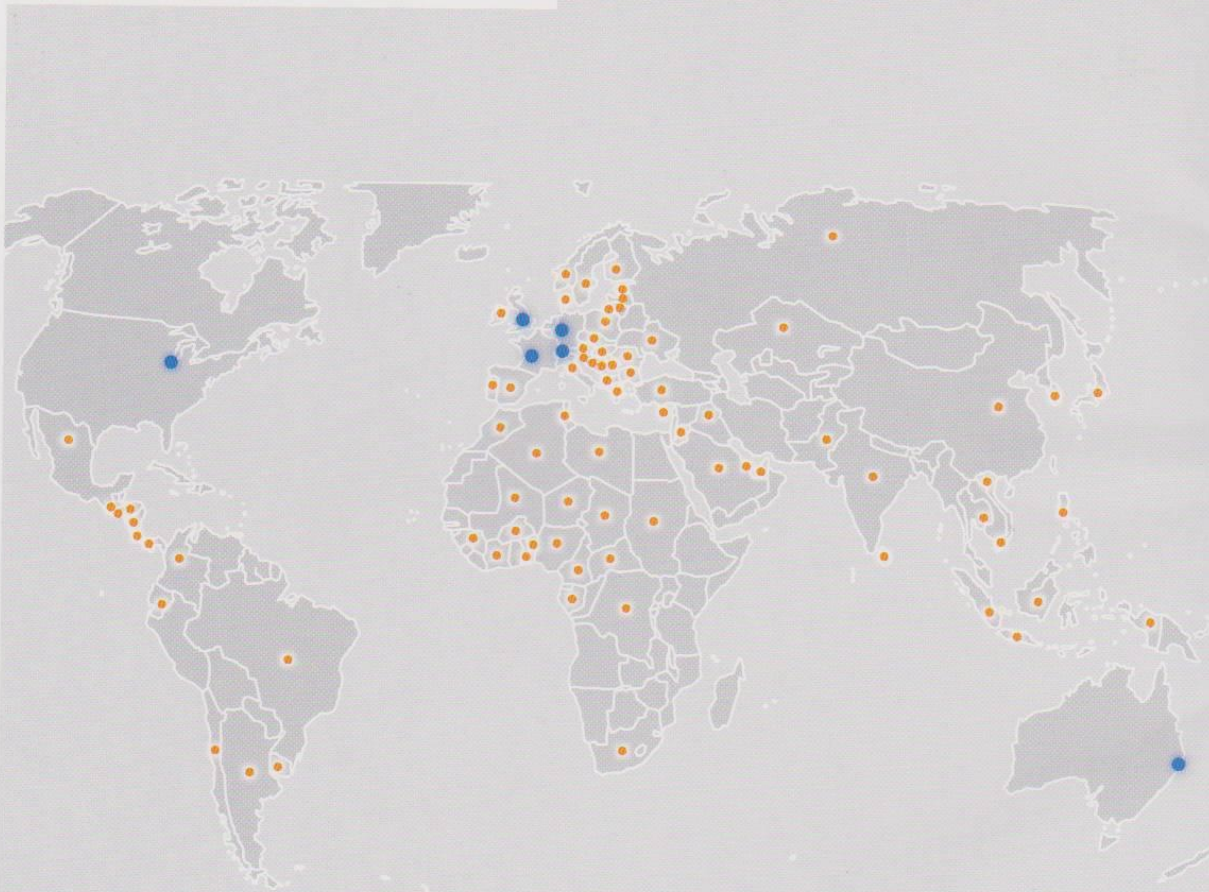
126

320 (400)

www.TRACTO-TECHNIK.com

TRACTO-TECHNIK

Worldwide



Germany
TRACTO-TECHNIK GmbH & Co. KG
TT Headquarters
Paul-Schmidt-Straße 2
57368 Lennestadt · Germany
Tel: +49 2723 808-0 · Fax: -180
export@tracto-technik.de
www.TRACTO-TECHNIK.com

Switzerland
TRACTO-TECHNIK
Schweiz AG
Tel: +41 79 8203897
info@tracto-technik.ch
www.TRACTO-TECHNIK.ch

United Kingdom
TT UK Ltd.
Tel: +44 1234 342566
Fax: +44 1234 352184
info@tt-uk.com
www.TT-UK.com

France
TRACTO-TECHNIQUES S.a.r.l.
Tél: +33 5 53538983
Fax: +33 5 53093941
ttf@tracto-techniques.fr
www.TRACTO-TECHNIQUES.com

USA/Canada
TT TECHNOLOGIES Inc.
Tel: +1 630 851 8200
Fax: +1 630 851 8299
info@tttechnologies.com
www.TTTECHNOLOGIES.com

Australia/Asia Pacific
TT ASIA PACIFIC Pty Ltd.
Tel: +61 7 3420 5455
Fax: +61 7 3420 5855
info@tt-asiapacific.com
www.TT-ASIAPACIFIC.com

INSPIRING TRENCHLESS TECHNOLOGIES

