

INSPIRING TRENCHLESS TECHNOLOGIES



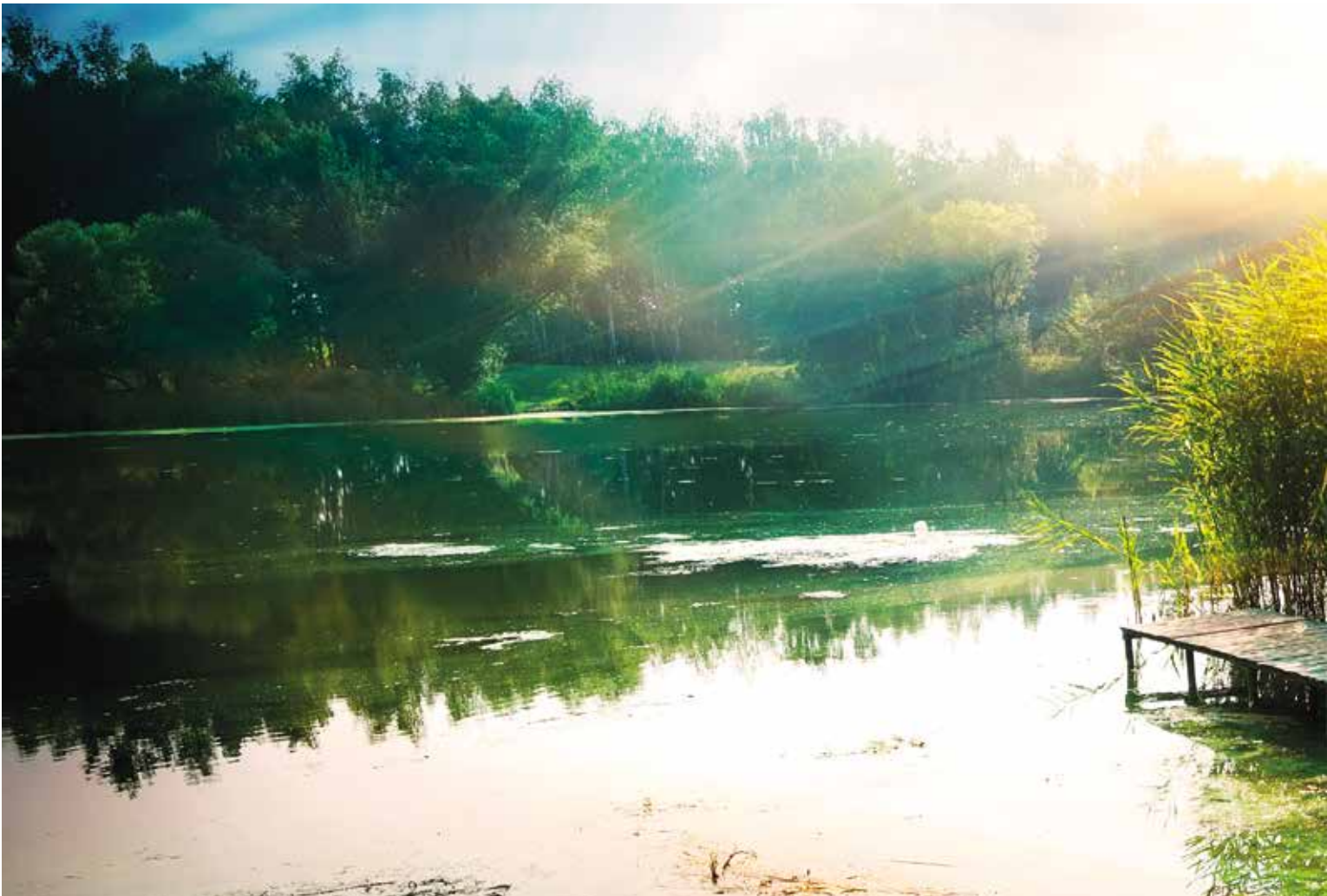
TRACTO-TECHNIK



**INTELLIGENT
AND POWERFUL**

GRUNDODRILL
Fluid-assisted HDD Rigs





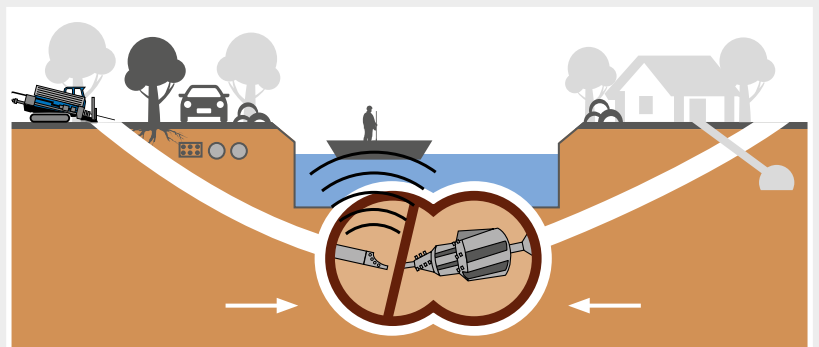
WE KNOW, WHAT REALLY MATTERS

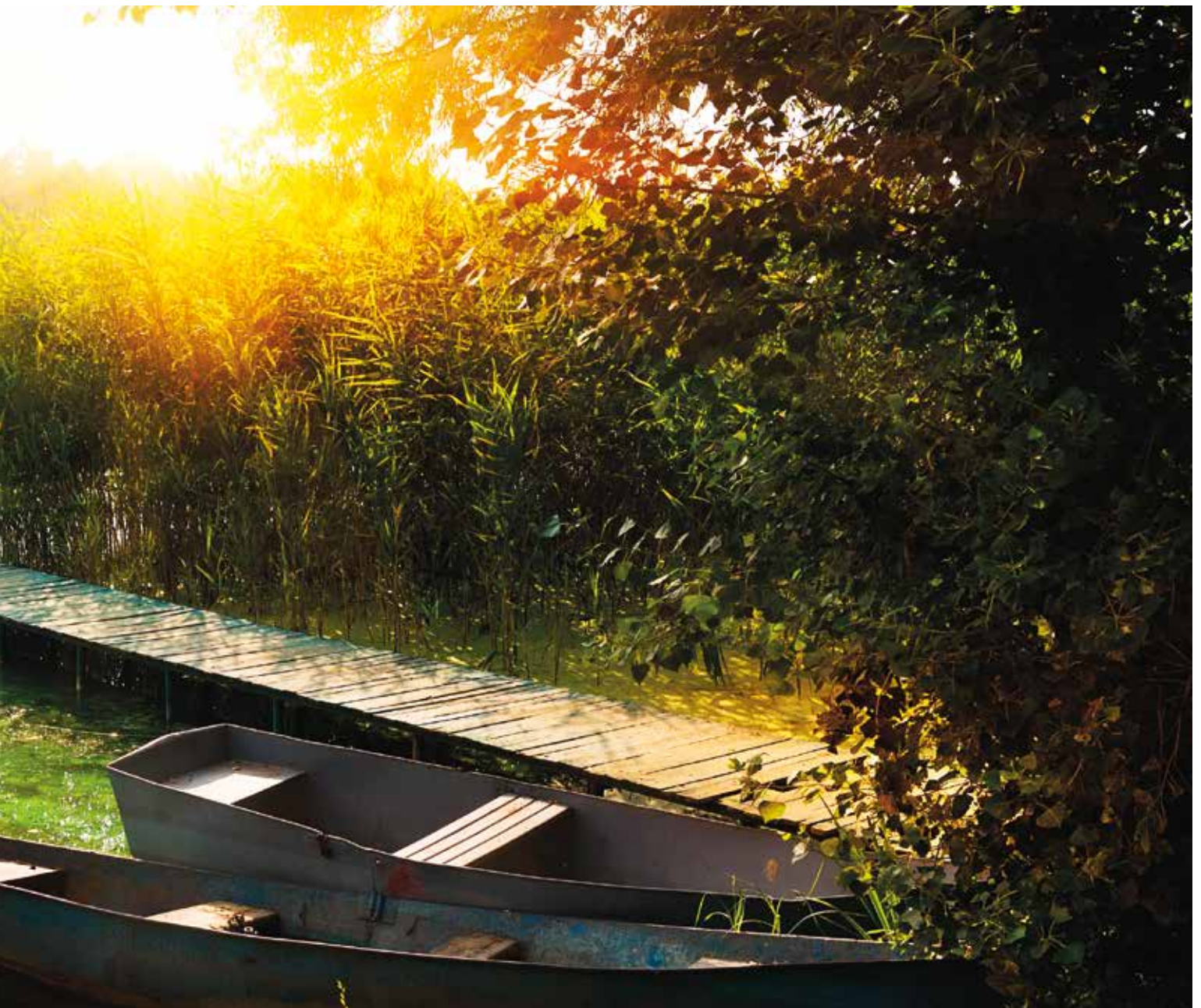
The „moleing technology“ is widely-used in the civil engineering branch. Its share compared to open trenching is ever increasing because the underground installation and renewal of supply and disposal pipes bears major technical and economical advantages.

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

- 7 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 GRUNDOPIT 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, graphical 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 logging according to the latest standards - 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*
- pre-set functions for cable-guided drilling

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

*depending on model



GRUNDODRILL 4X



GRUNDODRILL 11XP



GRUNDODRILL 15XP / 15XPT



GRUNDODRILL 18N



GRUNDODRILL 18ACS



GRUNDODRILL 28Nplus



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 graphical display
- quick-diagnosis with telemetry transfer
- display and log of the drilling data
- display and log of the tensile load forces



Graphical display



Comfortable cabin



Multifunctional joystick control



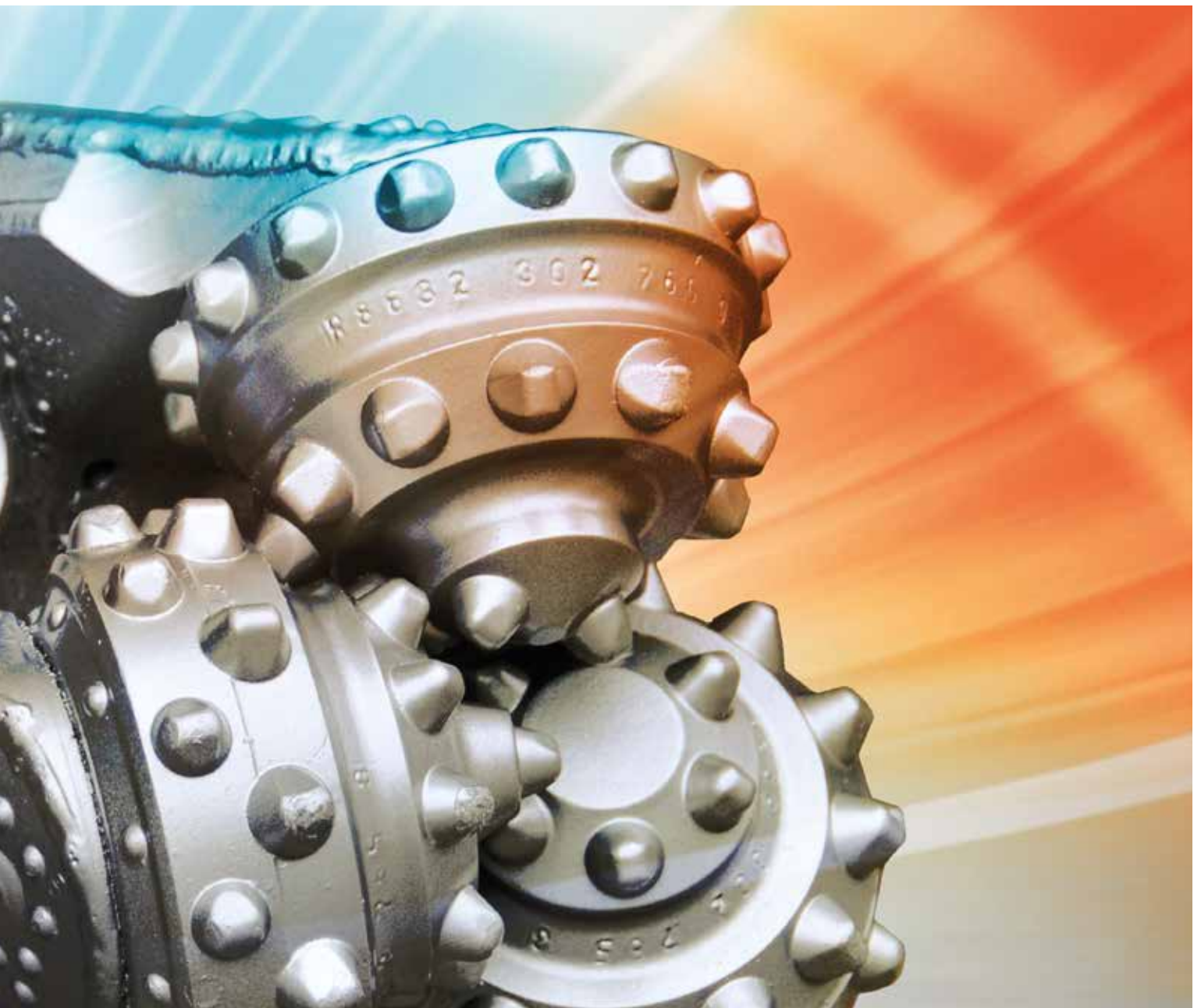
TOUGH AS ROCK

ORIGINAL ACCESSORIES FOR CHALLENGING CONSTRUCTION JOBS

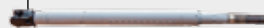
Due to the diversity of different soil types there is a wide range of drilling tools to achieve the best drilling progress possible.

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



Standard drilling equipment
TD61, TD73
and TD82 rods



Rock drilling equipment
ELICON 95
Twin tube rods



Medium Soil Reamer



Hard Soil Reamer



Hard Soil Rockreamer



Holeopener



FULL SERVICE SUPPORT

MIXING SYSTEMS

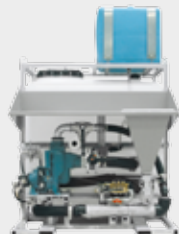
A first-class drilling fluid technique is a major component of successful drilling operations. Drill rig and tooling together with the the TT drilling fluid technology are the perfect combination for efficient work - even in problematic soils.

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 MA010



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 anchoring bore unit swivable to 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]
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 Twin Drive Ø [mm]
Effective rod length [mm]
Drill rod weight [kg]
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]

Drill rod type: 4X

3.965 x 1.200 x 1.530
2.140
48
15°
43
1.300
230
80
48/38
1500
9
≤ 250
≤ 160
≤ 100
25
2
-
82,5
28
-



GRUNDODRILL 11XP

- Cummins motor T4i for driving and drilling, 119 kW
- Drill rig with rubber track undercarriage, stabilisor(s)
- Spacious cabin, comfortable seat, joysticks, graphical display
- Bore automatics
- 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 logging – data transfer
- High pressure cleaner
- Optional: fully automatic system, percussive hammer, wireless remote control, rubberised steel track undercarriage, air conditioning

Drill rod type: TD61

6.250 x 1.740 x 2.400

7.900

132

11° - 20°

105

3.300

200

100

62/54

3.000

26

≤ **400**

≤ **355**

≤ **250**

42 / 33

2 / 4

100

66

119

115



GRUNDODRILL 15XP

- Cummins motor T4i for driving and drilling, 119 kW
- Drill rig with rubber track undercarriage, stabilisor(s)
- Spacious cabin, comfortable seat, joysticks, graphical display
- Bore automatics
- 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 logging – data transfer
- High pressure cleaner
- Optional: fully automatic system, percussive hammer, wireless remote control, rubberised steel track undercarriage

Drill rod type: TD61

6.150 x 1.850 x 2.400

10.035

210

11°-20°

147

4.500

190

100

62/54

3.000

26

≤ **500**

≤ **400**

≤ **350**

42

2 / 4

100

67

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, graphical display
- Bore automatics
- 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 logging – data transfer
- High pressure cleaner
- Optional: fully automatic system, percussive hammer, wireless remote control, rubberised steel track undercarriage

Drill rod type: TD73

6.150 x 1.850 x 2.400

10.780

180

11°-20°

160

6.500

190

115

73/63

3.000

42

≤ **500**

≤ **400**

≤ **400**

55

2 / 4

100

67

123

225 (320)

TECHNISCHE DATEN



Model

Basic equipment

GRUNDODRILL^{18N}

- Cummins motor T4i for driving and drilling, 126 kW
- Drill rig with rubber track undercarriage, stabilisor(s)
- Spacious cabin, comfortable seat, joysticks, graphical display
- Bore automatics
- 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 logging –data transfer
- High pressure cleaner,
- optional: fully automatic system, wireless remote control, air conditioning

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 Twin Drive Ø [mm]
Effective rod length [mm]
Drill rod weight [kg]
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]

Drill rod type: TD73 · TD82

6.700 x 2.300 x 2.570
14.350
225 · 210
12°–30°
180 · 200
7.500 · 10.000
200
115 · 140/170
73/63 · 82
3.000
42 · 46
≤ 600
≤ 500
≤ 400
55 · 75
3,3/5
130
66
126
320 (400)



GRUNDODRILL^{18ACS}

- Cummins motor T4i for driving and drilling, 126 kW
- Drill rig with rubber track undercarriage, stabilisor(s)
- Spacious cabin, comfortable seat, joysticks, graphical display
- Bore automatics
- 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 logging – telemetric data transfer
- High pressure cleaner
- Optional: fully automatic system, wireless remote control, air conditioning; drill rods type TD73 or TD82 (technical data see siehe GRUNDODRILL^{18N})

Drill rod type: Elicon 95 (rock)

6.700 x 2.300 x 2.570

15.200

120

12°–30°

180

7.500

200

165

95

3.000

80

≤ **600**

≤ **500**

≤ **400**

55

3,3/5

130

66

126

320 (400)



GRUNDODRILL^{28Nplus}

- Cummins motor T4i for driving and drilling, 224 kW
- Drill rig with rubberised steel track undercarriage, stabilisor(s)
- spacious cabin, comfortable seat, joysticks, graphical display, air conditioning
- Bore automatics
- 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 logging – data transfer
- High pressure cleaner
- optional: fully automatic system, wireless remote control

Drill rod type: TD82

7.300 x 2.530 x 2.900

18.980

288

12°–30°

280

11.000

180

140/170

82

3.000

46

≤ **900**

≤ **710**

≤ **500**

75

3,3/5

155

76

224

650

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

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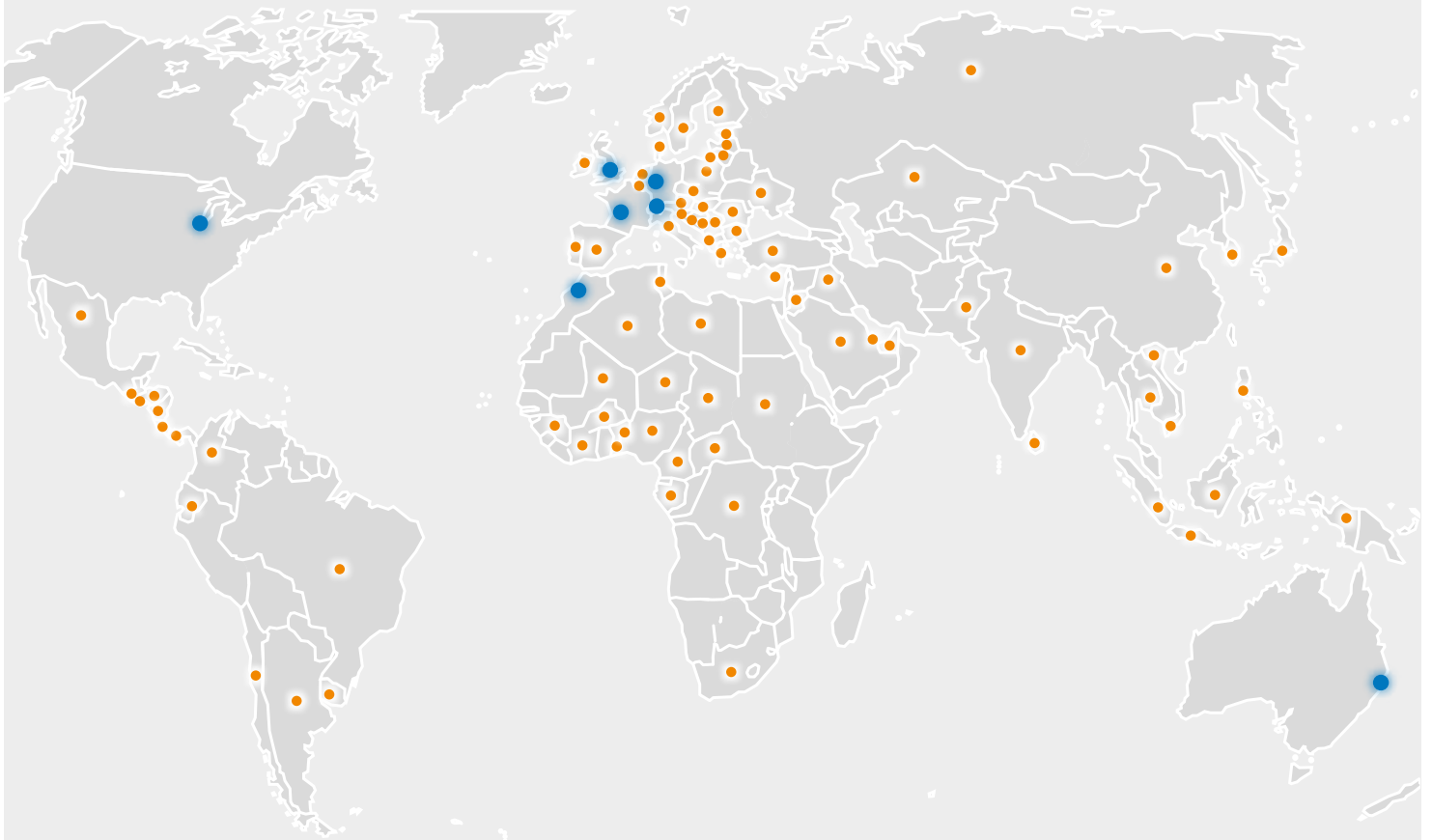
TRAINING

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

www.TRACTO-TECHNIK.com

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