



FOR
BETTER
COST



HORIZONTAL DIRECTIONAL DRILLING MACHINE PRODUCT BROCHURE

PROFILE

Jiangsu Goodeng Heavy Machinery Technology Co., Ltd. is a national high-tech enterprise engaged in R&D, production, sales and service of trenchless machinery, piling machinery and mining machinery. The main products include GS series of horizontal directional drilling machine, GPY series of hydraulic static pile driver, GM series of surface drilling machine and accessories.

The "GOODENG" brand was founded in 2002. In 2008, it was awarded "China Well-Known Trademark". In recent years, our company has successively passed the certification of "National High-tech Enterprise", the acceptance and results appraisal of the industrial support project of "Key Technology Research and Product Development of Heavy-duty Intelligent Trenchless Directional Drilling Rigs", and the company's technical center has been recognized as a provincial engineering technology research center, and many products have won national and provincial and ministerial mechanical industry science and technology progress awards.

In 2022, the company was listed in the provincial sci-tech enterprise cultivation plan. In the same year, the first overseas production base broke ground in Thailand, covering an area of nearly 80,000 square meters; At the same time, the company also has two domestic production bases, covering an area of more than 100,000 square meters; There are currently multiple modern intelligent production lines. "Goodeng Machine" products have been sold all over the country and exported to nearly 60 countries and regions around the world. Through a gradually expanding global marketing network, the company realizes resource sharing and creates greater value for customers.

Chinese factories

100,000⁺
m²

Thai factory

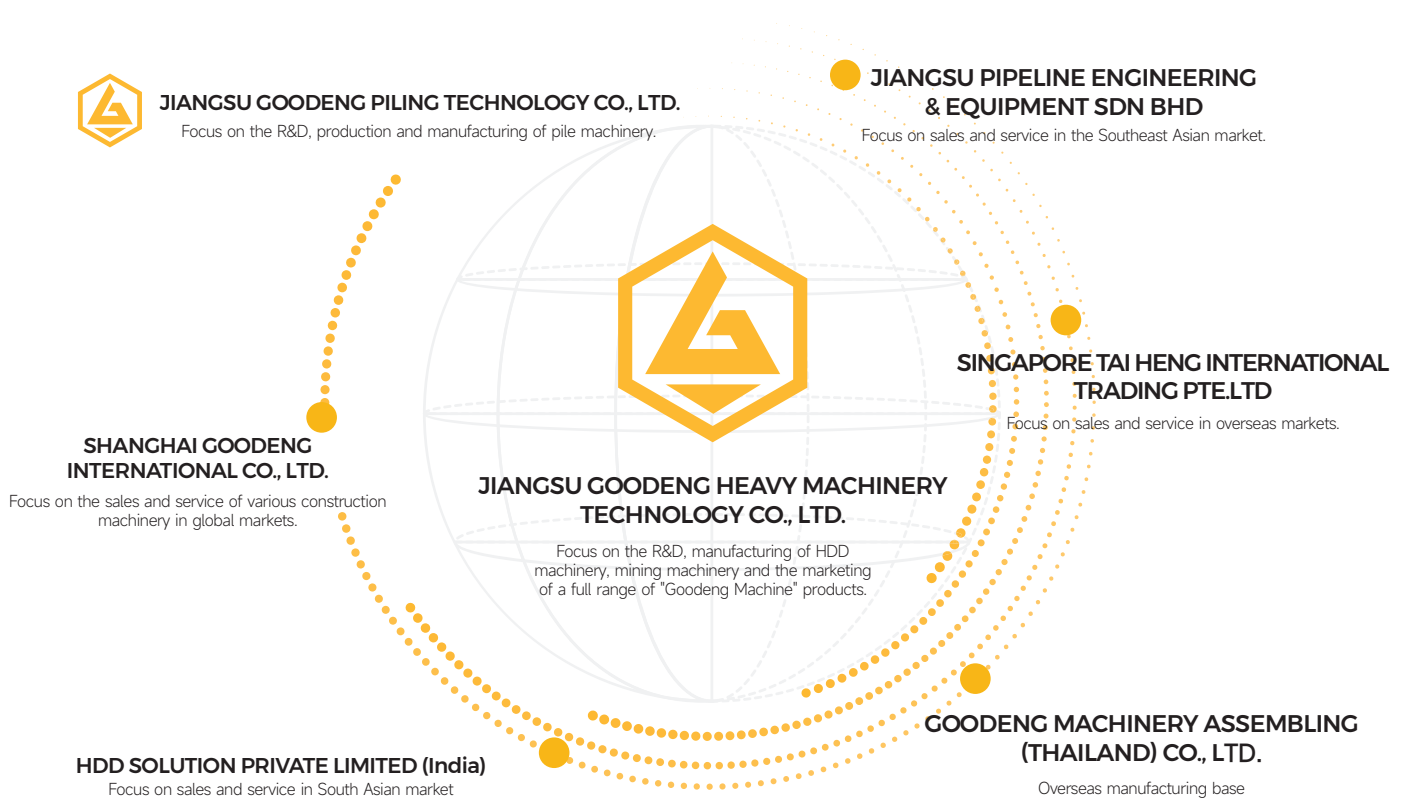
80,000⁺
m²

Export to

60⁺
Countries and regions



● MEMBER COMPANIES



CORPORATE SPIRIT

Enterprise mission

For better city !

Enterprise vision

To become a first-class international machinery manufacturing enterprise.

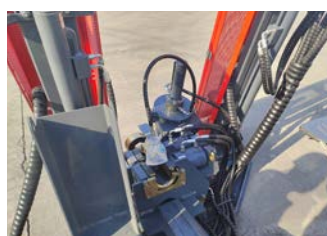
Enterprise values

Pursue Efficiency, Encourage Innovation, People-Oriented, Team-Work, Create Value For Customers.

GS50-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	4100 kg
Max. Thrust & Pullback Force	51 kN
Max. Torque	2250 N·m
Engine Power	46.2 kW
Walking Speed	2.5 km/h
Entry Angle	14° -17°
Drill Rod Size	Φ42×1800 mm
Suggest Reaming Dia.	≤ Φ400 mm

Dimension(L×W×H)	4420×1460×1590mm
Max. Thrust & Pullback Speed	61 m/min
Max. Rotation Speed	215 r/min
Max. Mud Flow	75 L/min
Max. Mud Pressure	6 Mpa
Max. Climbing Gradient	17°
Drill Rod Box Capacity	44 pcs (4×11)
Suggest Crossing Length	≤ 100 m

GS130-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	4750kg
Max. Thrust & Pullback Force	135 kN
Max. Torque	4500 N·m
Engine Power	93 kW
Walking Speed	2.5-4.5 km/h
Entry Angle	12° -22°
Drill Rod Size	Φ50/Φ60×3000 mm
Suggest Reaming Dia.	≤ Φ700 mm

Dimension(L×W×H)	5470×1670×2040 mm
Max. Thrust & Pullback Speed	36 m/min
Max. Rotation Speed	193 r/min
Max. Mud Flow	200 L/min
Max. Mud Pressure	8 Mpa
Max. Climbing Gradient	16°
Drill Rod Box Capacity	30 pcs (3×10)
Suggest Crossing Length	≤ 200 m

GS150-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	4700kg
Max. Thrust & Pullback Force	150 kN
Max. Torque	4500 N · m
Engine Power	97 kW
Walking Speed	2.5-4.5 km/h
Entry Angle	12° -22°
Drill Rod Size	Φ60×2000 mm
Suggest Reaming Dia.	≤ Φ700 mm

Dimension(L×W×H)	4200×1700×2140 mm
Max. Thrust & Pullback Speed	46 m/min
Max. Rotation Speed	193 r/min
Max. Mud Flow	180 L/min
Max. Mud Pressure	8 Mpa
Max. Climbing Gradient	17°
Drill Rod Box Capacity	52 pcs (4×13)
Suggest Crossing Length	≤ 200 m

GS200-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	8800kg
Max. Thrust & Pullback Force	205 kN
Max. Torque	6500 N·m
Engine Power	110 kW
Walking Speed	2.5-4 km/h
Entry Angle	12° -22°
Drill Rod Diameter	Φ60 mm
Suggest Reaming Dia.	≤ Φ800 mm

Dimension(L×W×H)	6750×2050×2400 mm
Max. Thrust & Pullback Speed	60 m/min
Max. Rotation Speed	230 r/min
Max. Mud Flow	250 L/min
Max. Mud Pressure	8 Mpa
Max. Climbing Gradient	17°
Drill Rod Length	3000 mm
Suggest Crossing Length	≤ 300 m

GS250-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	9580kg
Max. Thrust & Pullback Force	255/375 kN
Max. Torque	8100 N·m
Engine Power	110 kW
Walking Speed	2.5-4 km/h
Entry Angle	12° -22°
Drill Rod Size	Φ60×3000 mm
Suggest Reaming Dia.	≤ Φ800 mm

Dimension(L×W×H)	6950×2160×2400 mm
Max. Thrust & Pullback Speed	45 m/min
Max. Rotation Speed	190 r/min
Max. Mud Flow	250 L/min
Max. Mud Pressure	8 Mpa
Max. Climbing Gradient	17°
Drill Rod Box Capacity	48 pcs (4×12)
Suggest Crossing Length	≤ 300 m

GS320-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

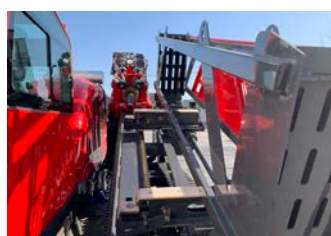
Weight	9700 kg
Max. Thrust & Pullback Force	320/640 KN
Max. Torque	12600 N·m
Engine Power	154 kW
Walking Speed	3.5-6 km/h
Entry Angle	12° -22°
Drill Rod Size	Φ73×3000 mm
Suggest Reaming Dia.	≤ Φ900 mm

Dimension(L×W×H)	7300×2150×2250 mm
Max. Thrust & Pullback Speed	40 m/min
Max. Rotation Speed	140 r/min
Max. Mud Flow	320 L/min
Max. Mud Pressure	8 Mpa
Max. Climbing Gradient	18°
Drill Rod Box Capacity	36 pcs (4×9)
Suggest Crossing Length	≤ 400 m

GS360-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	9800/11400 kg
Max. Thrust & Pullback Force	380/760 kN
Max. Torque	14000 N·m
Engine Power	154 kW
Walking Speed	2.5-4 km/h
Entry Angle	13° -23°
Drill Rod Size	Φ73/Φ76×3000 mm
Suggest Reaming Dia.	≤ Φ1000 mm

Dimension(L×W×H)	7300×2230×2310 mm
Max. Thrust & Pullback Speed	36 m/min
Max. Rotation Speed	135 r/min
Max. Mud Flow	400 L/min
Max. Mud Pressure	10 Mpa
Max. Climbing Gradient	18°
Drill Rod Box Capacity	36 pcs (4×9)
Suggest Crossing Length	≤ 450 m

GS430-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	13000 kg
Max. Thrust & Pullback Force	430/860 kN
Max. Torque	19000 N·m
Engine Power	178 kW
Walking Speed	3-5 km/h
Entry Angle	12° -25°
Drill Rod Diameter	Φ83
Suggest Reaming Dia.	≤ Φ1200 mm

Dimension(L×W×H)	7300×2250×2270 mm
Max. Thrust & Pullback Speed	53 m/min
Max. Rotation Speed	185 r/min
Max. Mud Flow	450 L/min
Max. Mud Pressure	8 Mpa
Max. Climbing Gradient	18°
Drill Rod Length	3000 mm
Suggest Crossing Length	≤ 650 m

GS450-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	14000/15500 kg
Max. Thrust & Pullback Force	450/900 kN
Max. Torque	20000 N·m
Engine Power	178 kW
Walking Speed	3/5 km/h
Entry Angle	12-22°
Drill Rod Size	Φ83-Φ89×3000 mm
Suggest Reaming Dia.	≤ Φ1200 mm

Dimension(L×W×H)	7600×2265×2520 mm
Max. Thrust & Pullback Speed	66 m/min
Max. Rotation Speed	180 r/min
Max. Mud Flow	600 L/min
Max. Mud Pressure	10 MPa
Max. Climbing Gradient	18°
Drill Rod Box Capacity(Optional)	27/24 pcs
Suggest Crossing Length	≤ 750 m

GS520-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

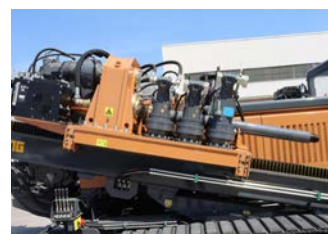
Weight	15800/16200 kg
Max. Thrust & Pullback Force	530/1060 kN
Max. Torque	29000 N·m
Engine Power	194 kW
Walking Speed	0-3/0-5 km/h
Entry Angle	12-20°
Drill Rod Size	Φ89-Φ102×3000/4500 mm
Suggest Reaming Dia.	≤ Φ1300 mm

Dimension(L×W×H)	7600/8500×2265×2520 mm
Max. Thrust & Pullback Speed	61 m/min
Max. Rotation Speed	142 r/min
Max. Mud Flow	600/800 L/min
Max. Mud Pressure	10 MPa
Max. Climbing Gradient	18°
Crane Capacity	2 t
Suggest Crossing Length	≤ 800 m

GS800-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	16700 kg
Max. Thrust & Pullback Force	910/1360 kN
Max. Torque	35000 N·m
Engine Power	220 kW
Walking Speed	3-5 km/h
Entry Angle	12° -20°
Drill Rod Size	Φ102×4500 mm
Suggest Reaming Dia.	≤ Φ1400 mm

Dimension(L×W×H)	8700×2400×2700 mm
Max. Thrust & Pullback Speed	55 m/min
Max. Rotation Speed	120 r/min
Max. Mud Flow	600/800 L/min
Max. Mud Pressure	10 MPa
Max. Climbing Gradient	18°
Crane Capacity	2 t
Suggest Crossing Length	≤ 900 m

GS1000-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	20000 kg
Max. Thrust & Pullback Force	1070/1605 KN
Max. Torque	45000 N·m
Engine Power	264 kW
Walking Speed	3-5 km/h
Entry Angle	10° -19°
Drill Rod Size	Φ114/Φ127×6000 mm
Suggest Reaming Dia.	≤ Φ1400 mm

Dimension(L×W×H)	10900×2550×3250 mm
Max. Thrust & Pullback Speed	55 m/min
Max. Rotation Speed	110 r/min
Max. Mud Flow	800 L/min
Max. Mud Pressure	10 MPa
Max. Climbing Gradient	17°
Crane Capacity	3 t
Suggest Crossing Length	≤ 1000 m

GS1600-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

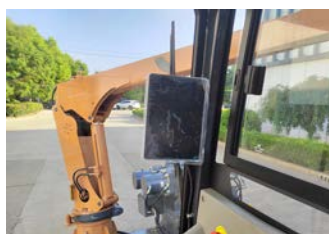
Weight	25000 kg
Max. Thrust & Pullback Force	1800 kN
Max. Torque	61000 N·m
Engine Power	316 kW
Walking Speed	3-5 km/h
Entry Angle	10° -20°
Drill Rod Size	Φ114/Φ127×6000 mm
Suggest Reaming Dia.	≤ Φ1450 mm

Dimension(L×W×H)	11080×2600×3000 mm
Max. Thrust & Pullback Speed	45 m/min
Max. Rotation Speed	115 r/min
Max. Mud Flow	800 L/min
Max. Mud Pressure	10 MPa
Max. Climbing Gradient	18°
Crane Capacity	3 t
Suggest Crossing Length	≤ 1100 m

GS2200-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	30000 kg
Max. Thrust & Pullback Force	2200 kN
Max. Torque	83000 N·m
Engine Power	2×242 kW
Entry Angle	20°
Drill Rod Size	Φ127/Φ140×6000 mm
Suggest Reaming Dia.	≤ Φ1600 mm

Dimension(L×W×H)	11520×2660×3100 mm
Max. Thrust & Pullback Speed	40 m/min
Max. Rotation Speed	90 r/min
Walking Speed	0-3.5 km/h
Max. Climbing Gradient	17°
Crane Capacity	3 t
Suggest Crossing Length	≤ 1200 m

GS3000-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

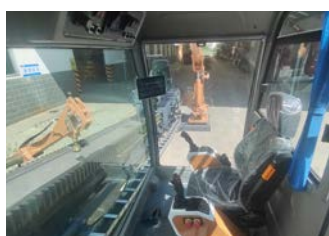
Weight	52000 kg
Max. Thrust & Pullback Force	3000 KN
Max. Torque	100000 N·m
Engine Power	2×264 kW
Entry Angle	9° -22°
Drill Rod Size	Φ140/Φ168×9600 mm
Suggest Reaming Dia.	≤ Φ1800 mm

Dimension(L×W×H)	18260×3320×3600 mm
Max. Thrust & Pullback Speed	35 m/min
Max. Rotation Speed	95 r/min
Walking Speed	3-5 km/h
Max. Climbing Gradient	18°
Crane Capacity	5 t
Suggest Crossing Length	≤ 2000 m

GS4000-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

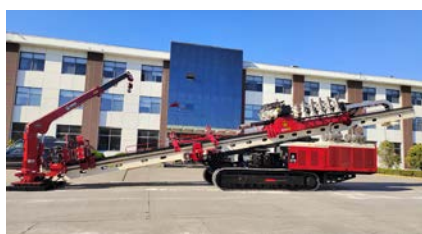
Weight	53000 kg
Max. Thrust & Pullback Force	4300 KN
Max. Torque	140000 N·m
Engine Power	2×264 kW
Entry Angle	16°
Drill Rod Size	Φ140/Φ168×9600 mm
Suggest Reaming Dia.	≤ Φ1800 mm

Dimension(L×W×H)	18260×3300×3650 mm
Max. Thrust & Pullback Speed	35 m/min
Max. Rotation Speed	95 r/min
Walking Speed	0-4 km/h
Max. Climbing Gradient	17°
Crane Capacity	5 t
Suggest Crossing Length	≤ 2300 m

GS6000-LS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	69500 kg
Operation Room Weight	3000 kg
Max. Thrust & Pullback Force	6700 kN
Max. Torque	160000 N·m
Engine Power	2×410 kW
Main Spindle Floating Distance	110 mm
Max. Clamp Force	3800 kN
Entry Angle	8° -16°
Walking Speed	2.5 km/h
Drill Rod Size	Φ140 -Φ219 mm
Suggest Reaming Dia.	≤ Φ2000 mm

Dimension(L×W×H)	20800×3200×3600 mm
Operation Room Dimension Size (L*W*H)	6050×2450×2600 mm
Max. Thrust & Pullback Speed	40 m/min
Max. Rotation Speed	90 r/min
Max. Working Pressure	35 MPa
Crane Capacity	5 t
Max. Unscrewing Torque	482000 N·m
Max. Climbing Gradient	18°
Mud Pipe Channel Diameter	4"
Drill Rod length	9600 mm
Suggest Crossing Length	≤ 2500 m

GS6000-TS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	56000 kg
Power Station Weight	16500 kg
Operation Room Weight	3000 kg
Engine Power	2×410 kW
Max. Thrust & Pullback Force	6700 kN
Max. Torque	180000 N·m
Max. Clamp Force	3800 kN
Main Spindle Floating Distance	110 mm
Drill Rod Size	Φ140 -Φ219 mm
Mud Pipe Channel Diameter	4"
Suggest Reaming Dia.	≤ Φ2000 mm

Rig Dimension (L×W×H)	20400×2500×3740 mm
Power Station Dimension (L×W×H)	6050×2500×2600 mm
Operation Room Dimension (L×W×H)	6050×2500×2600 mm
Max. Working Pressure	35 MPa
Max. Thrust & Pullback Speed	40 m/min
Max. Rotation Speed	90 r/min
Max. Unscrewing Torque	482000 N·m
Entry Angle	8° -18°
Drill Rod length	9600 mm
Crane Capacity	5 t
Suggest Crossing Length	≤ 2500 m

GS8000-TS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	67000 kg
Power Station Weight	16500 kg
Operation Room Weight	3000 kg
Engine Power	2×565 kW
Max. Thrust & Pullback Force	8100 kN
Max. Torque	240000 N·m
Max. Clamp Force	4400 kN
Main Spindle Floating Distance	110 mm
Drill Rod Size	Φ168 -Φ254 mm
Mud Pipe Channel Diameter	4"
Suggest Reaming Dia.	≤ Φ2000 mm

Rig Dimension (L×W×H)	21600×2700×3900 mm
Power Station Dimension (L×W×H)	6050×2500×2600 mm
Operation Room Dimension (L×W×H)	6050×2500×2600 mm
Max. Working Pressure	35 MPa
Max. Thrust & Pullback Speed	42 m/min
Max. Rotation Speed	90 r/min
Max. Unscrewing Torque	700000 N·m
Entry Angle	9° -16°
Drill Rod length	9600 mm
Crane Capacity	8 t
Suggest Crossing Length	≤ 3000 m

GS12000-TS HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	81000 kg
Power Station Weight	18000 kg
Operation Room Weight	3000 kg
Engine Power	2×565kW+264kW
Max. Thrust & Pullback Force	12000 kN
Max. Torque	260000 N·m
Max. Clamp Force	5300 kN
Main Spindle Floating Distance	140 mm
Drill Rod Size	Φ168 -Φ254 mm
Mud Pipe Channel Diameter	4"
Suggest Reaming Dia.	≤ Φ2000 mm

Rig Dimension (L×W×H)	22300×2800×39500 mm
Power Station Dimension (L×W×H)	6050×2500×2600 mm
Operation Room Dimension (L×W×H)	6050×2500×2600 mm
Max. Working Pressure	35 MPa
Max. Thrust & Pullback Speed	40 m/min
Max. Rotation Speed	85 r/min
Max. Unscrewing Torque	720000 N·m
Entry Angle	8° -18°
Drill Rod length	9600 mm
Crane Capacity	8 t
Suggest Crossing Length	≤ 3000 m

GS520AT-LS

ALL TERRAIN HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



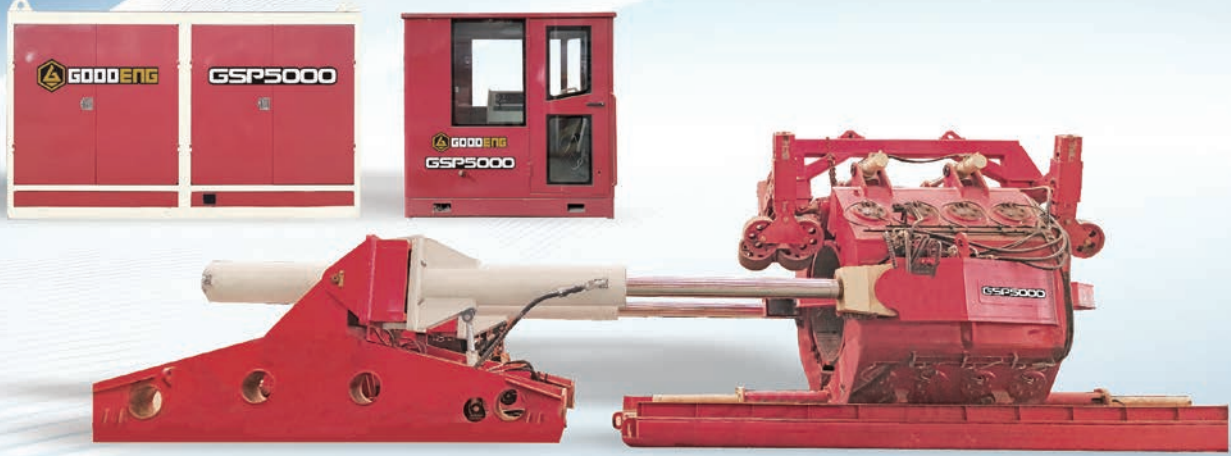
MAIN TECHNICAL PARAMETERS

Weight	16100/16500 kg
Max. Thrust & Pullback Force	530/1060 kN
Exterior Rod Max. Torque	29000 N·m
Interior Rod Max. Torque	3000 N·m
Exterior Rod Drill Rod Size	Φ92×3000/4500 mm
Interior Rod Drill Rod Size	Φ46.4×3000/4500 mm
Walking Speed	3-5 km/h
Entry Angle	12° -20°
Suggest Reaming Dia.	≤ Φ1500 mm

Dimension(L×W×H)	8640/9240×2300×2500 mm
Max. Thrust & Pullback Speed	60 m/min
Exterior Rod Max. Rotation Speed	118 r/min
Interior Rod Max. Rotation Speed	240 r/min
Max. Mud flow	600 L/min
Engine Power	194 kW
Max. Climbing Gradient	18°
Crane Capacity	2 t
Suggest Crossing Length	≤ 600 m

GSP5000

PIPE THRUSTER



MAIN TECHNICAL PARAMETERS

Clamp Weight	30500 kg
Dimension(L×W×H)	2120×1760×2800 mm
Thruster Weight	40000 kg
Max. Dimension of Working Condition	12570×4500×3590 mm
Engine Power	264 kW
Pipeline Range	18"-56"
Max. Thrust Force	5200 kN
Max Thrust Speed	2.7 m/min
Max. Pullback Force	3600 kN
Max Pullback Speed	3.9 m/min
Stroke of Hydraulic Cylinder	3.5 m
Working Angle	-14° ~5°

GSM1000

MUD PUMP



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	4750 kg
Dimension(L×W×H)	3400×1900×2000 mm
Max. Working Pressure	25 MPa
Mud Pump Stroke	140 mm
Max. Mud Pressure	10 Mpa
Mud Pump Cylinder Dia.	Φ115 mm
Max Stroke Frequency	230 times/min
Max. Mud Flow	1000 L/min

GSM1200

MUD PUMP



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	5000 kg
Dimension(L×W×H)	3400×1900×2000 mm
Max. Working Pressure	25 MPa
Mud Pump Stroke	140 mm
Max. Mud Pressure	10 Mpa
Mud Pump Cylinder Dia.	Φ135 mm
Max Stroke Frequency	210 times/min
Max. Mud Flow	1200 L/min

GSM1800

MUD PUMP



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	10000 kg
Dimension(L×W×H)	5940×2250×2300 mm
Max. Working Pressure	35MPa
Mud Pump Stroke	150 mm
Max. Mud Pressure	10 Mpa
Mud Pump Cylinder Dia.	Φ190 mm
Max Stroke Frequency	140 times/min
Max. Mud Flow	1800 L/min

GSM2500

MUD PUMP



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	14000 kg
Dimension(L×W×H)	6200×2500×2560 mm
Max. Working Pressure	35 MPa
Mud Pump Stroke	180 mm
Max. Mud Pressure	10 Mpa
Mud Pump Cylinder Dia.	Φ220 mm
Max Stroke Frequency	120 times/min
Max. Mud Flow	2500 L/min

ELECTRIC GSE150-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



MAIN TECHNICAL PARAMETERS

Rig Weight	8500 kg	Dimension(L×W×H)	6360×2200×2420 mm
Max. Thrust & Pullback Force	186 kN	Max. Thrust & Pullback Speed	30 m/min
Rated Torque	5580 N·m	Max. Rotation Speed	153r/min
Rated Power	88 kW	Walking Speed	0-3/0-5 km/h
Max. Entry Angle	21°	Crane Capacity	/
Max.Climbing Gradient	7°	Drill Rod Size	Φ60×3000 mm
Suggest Reaming Dia.	Φ800 mm	Suggest Crossing Length	250 m

ELECTRIC GSE400-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



MAIN TECHNICAL PARAMETERS

Rig Weight	10000 kg	Dimension(L×W×H)	7600×2280×2600 mm
Max. Thrust & Pullback Force	410 kN	Max. Thrust & Pullback Speed	30 m/min
Rated Torque	18000 N·m	Max. Rotation Speed	124 r/min
Rated Power	160 kW	Walking Speed	0-3/0-5 km/h
Max. Entry Angle	21°	Crane Capacity	/
Max.Climbing Gradient	15°	Drill Rod Size	Φ76-Φ83×3000 mm
Suggest Reaming Dia.	Φ1100 mm	Suggest Crossing Length	550 m

ELECTRIC GSE600-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE

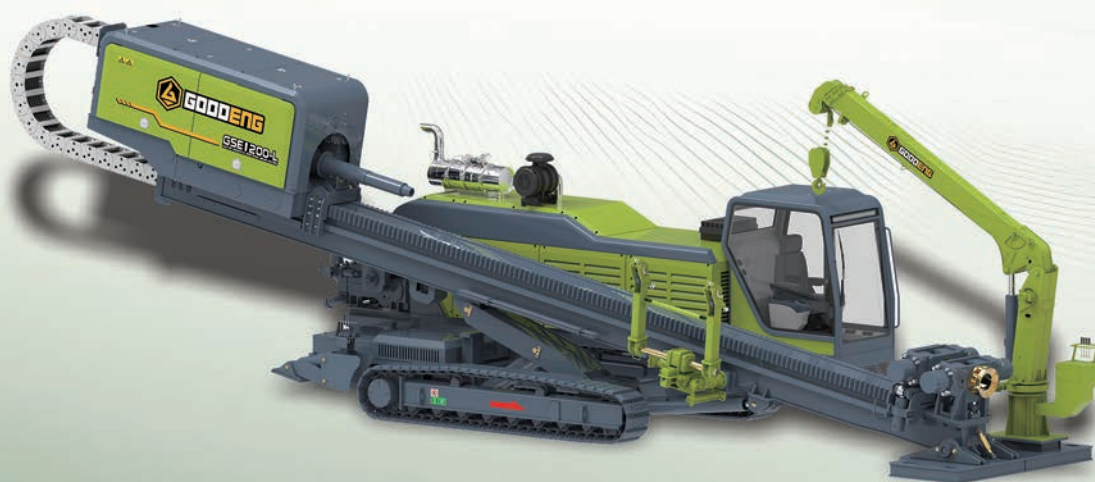


MAIN TECHNICAL PARAMETERS

Rig Weight	18000/19000 kg	Dimension(L×W×H)	8050/9100×2400×2690 mm
Max. Thrust & Pullback Force	620 kN	Max. Thrust & Pullback Speed	46 m/min
Rated Torque	32000 N·m	Max. Rotation Speed	100 r/min
Rated Power	210 kW	Walking Speed	0-3/0-5 km/h
Max. Entry Angle	20°	Crane Capacity	2 t
Max.Climbing Gradient	18°	Drill Rod Size	Φ89-Φ102×3000/4500 mm
Suggest Reaming Dia.	Φ1300 mm	Suggest Crossing Length	900 m

ELECTRIC GSE1200-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



MAIN TECHNICAL PARAMETERS

Rig Weight	20000 kg	Dimension(L×W×H)	11330×2700×3020 mm
Max. Thrust & Pullback Force	1200 kN	Max. Thrust & Pullback Speed	38 m/min
Rated Torque	58000 N·m	Max. Rotation Speed	91 r/min
Rated Power	300 kW	Walking Speed	0-3/0-5 km/h
Max. Entry Angle	19°	Crane Capacity	3 t
Max.Climbing Gradient	18°	Drill Rod size	Φ102-Φ114×6000 mm
Suggest Reaming Dia.	Φ1400 mm	Suggest Crossing Length	1000 m

ELECTRIC GSE2000-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



MAIN TECHNICAL PARAMETERS

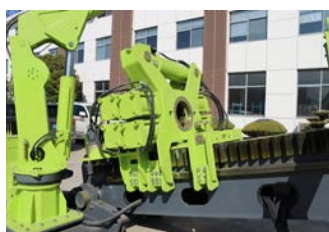
Rig Weight	30000 kg	Dimension(L×W×H)	11770×3060×2800 mm
Max. Thrust & Pullback Force	2100 kN	Max. Thrust & Pullback Speed	38 m/min
Rated Torque	80000 N·m	Max. Rotation Speed	106 r/min
Rated Power	320 kW	Walking Speed	0-3/0-5 km/h
Max. Entry Angle	19°	Crane Capacity	3 t
Max.Climbing Gradient	18°	Drill Rod size	Φ127-Φ140×6000 mm
Suggest Reaming Dia.	Φ1500 mm	Suggest Crossing Length	1200 m

ELECTRIC GSE4000-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	42000/49000 kg
Power Control Room Weight	5200 kg
Operation Room Weight	3000 kg
Max. Thrust & Pullback Force	4100 kN
Rated Torque	146000 N·m
Rated Power	600 kW
Max. Entry Angle	16°
Drill Rod Diameter	Φ140-168mm
Suggest Reaming Dia.	≤ Φ1700 mm

Rig Dimension (L×W×H)	15270/18850×3480×3200 mm
Power Control Room Dimension Size (L×W×H)	6050×2450×2600 mm
Operation Room Dimension Size (L×W×H)	6050×2450×2600 mm
Max. Thrust & Pullback Speed	28 m/min
Max. Rotation Speed	80 r/min
Travel Distance of Carriage	7650/11200 mm
Crane Capacity	5 t
Drill Rod length	6000/9600 mm
Suggest Crossing Length	≤ 2500 m

ELECTRIC GSE6000-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	63000 kg
Power Control Room Weight	5200 kg
Operation Room Weight	3000 kg
Max. Thrust & Pullback Force	6050 kN
Rated Torque	180000 N.m
Rated Power	700 kW
Entry Angle	16°
Drill Rod Diameter	Φ168-Φ194 mm
Suggest Reaming Dia.	≤ Φ2000 mm

Rig Dimension (L×W×H)	19830×3290×3570 mm
Power Control Room Dimension Size (L×W×H)	6050×2450×2600 mm
Operation Room Dimension Size (L×W×H)	6050×2450×2600 mm
Max. Thrust & Pullback Speed	28 m/min
Max. Rotation Speed	72 r/min
Travel Distance of Carriage	11500 mm
Crane Capacity	5 t
Drill Rod length	9600 mm
Suggest Crossing Length	≤ 2500 m

ELECTRIC GSE10000-LS

HORIZONTAL DIRECTIONAL DRILLING MACHINE



DETAILS



MAIN TECHNICAL PARAMETERS

Rig Weight	89000 kg
Power Control Room Weight	5200 kg
Operation Room Weight	3000 kg
Max. Thrust & Pullback Force	10000 kN
Rated Torque	260000 N.m
Rated Power	1000 kW
Entry Angle	16°
Drill Rod Diameter	Φ168-Φ254 mm
Suggest Reaming Dia.	≤ Φ2500 mm

Rig Dimension (L×W×H)	21700*3500*3800 mm
Power Control Room Dimension Size (L×W×H)	6050×2450×2600 mm
Operation Room Dimension Size (L×W×H)	6050×2450×2600 mm
Max. Thrust & Pullback Speed	36 m/min
Max. Rotation Speed	91 r/min
Travel Distance of Carriage	11900 mm
Crane Capacity	8 t
Drill Rod length	9600 mm
Suggest Crossing Length	≤ 3000 m

ELECTRIC GSME1200 MUD PUMP



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	3500 kg
Mud Pump Total Power	110 kW
Max. Mud Pressure	10 MPa
Mud Pump Stroke	150 mm

Dimension(L×W×H)	2083×1819×1438 mm
Mud Pump Cylinder Dia.	Φ130 mm
Max.Mud Flow	1230 L/min
Max. Stroke Frequency	217 times/min

ELECTRIC GSME2000 MUD PUMP



DETAILS

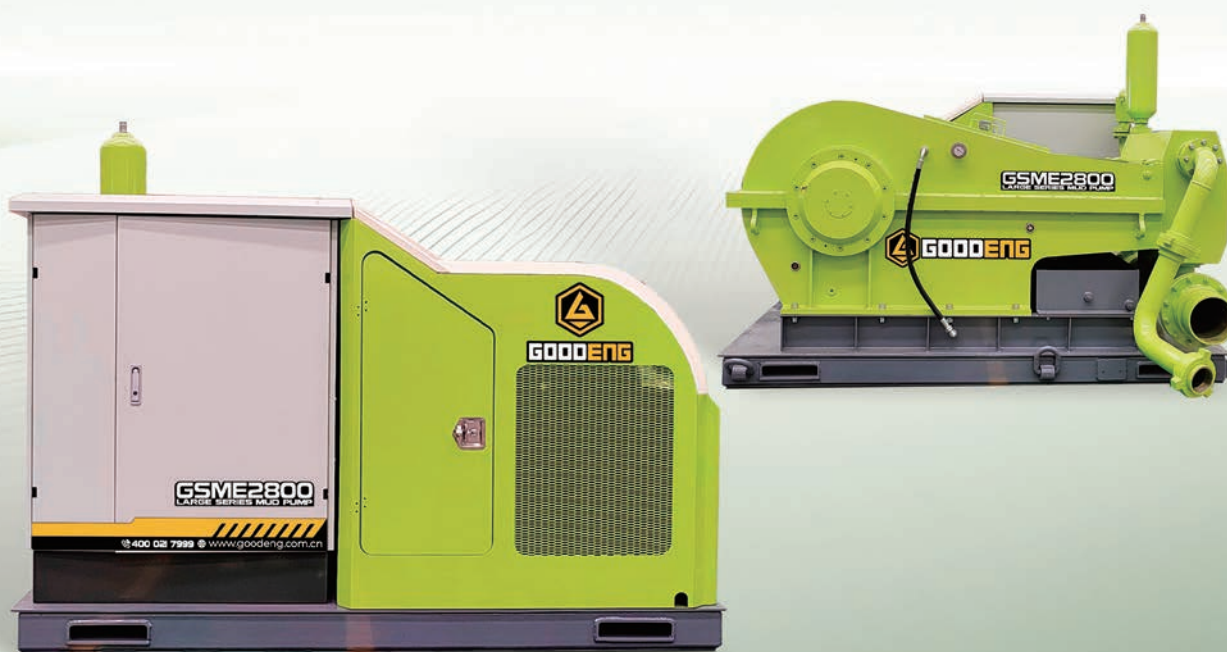


MAIN TECHNICAL PARAMETERS

Weight	8300 kg
Mud Pump Total Power	160 kW
Max. Mud Pressure	10 MPa
Mud Pump Stroke	152 mm

Dimension(L×W×H)	2944×2180×2200 mm
Mud Pump Cylinder Dia.	Φ190 mm
Max.Mud Flow	2000 L/min
Max. Stroke Frequency	151 times/min

ELECTRIC GSME2800 MUD PUMP



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	12000 kg
Mud Pump Total Power	310 kW
Max. Mud Pressure	10 MPa
Mud Pump Stroke	180 mm

Dimension(L×W×H)	3280×2700×2270 mm
Mud Pump Cylinder Dia.	Φ220 mm
Max.Mud Flow	2800 L/min
Max. Stroke Frequency	120 times/min

ELECTRIC GSME3200 MUD PUMP



DETAILS



MAIN TECHNICAL PARAMETERS

Weight	10000 kg
Mud Pump Total Power	310 kW
Max. Mud Pressure	10 MPa
Mud Pump Stroke	203 mm

Dimension(L×W×H)	3120×2280×2300 mm
Mud Pump Cylinder Dia.	Φ220 mm
Max.Mud Flow	3200 L/min
Max. Stroke Frequency	140 times/min

DRILLING TOOLS



Swivel



Drill Bit



Sub Saver



"U" Buckle



Blade-Type Reamer



Fluted Barrel Reamer



Barrel Reamer



Fluted Reamer

ROCK DRILLING TOOLS

IADC Recommend

Formation hardness	IADC Recommend
Sand and weathered mudstone formation	Milled Teeth
Soft rock formation	<30MPa , Choose IADC517
Medium-hard formation	40-80MPa , Choose IADC537, 617
Hard rock formation	>80MPa , Choose IADC637

ROCK DRILLING TOOL PALMS

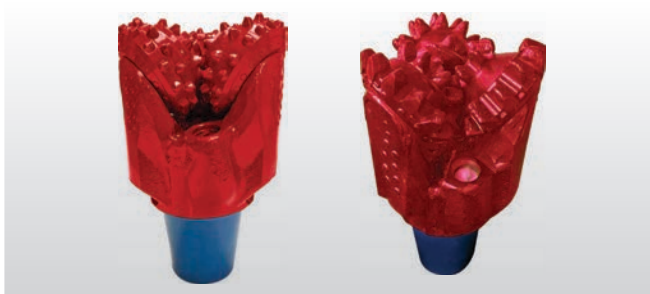


TCI Teeth



Milled Teeth

TRICONE BIT



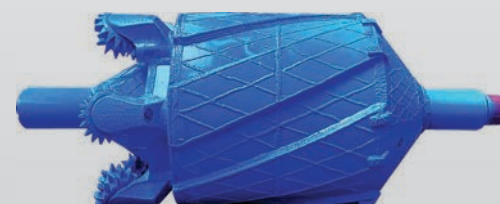
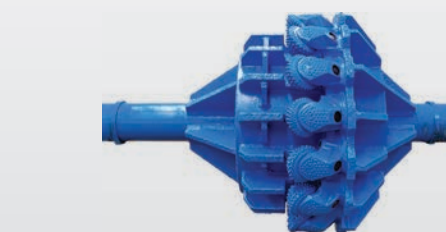
ROCK REAMER



MUD MOTOR



ROCK SONDE HOUSE



LOCATING SYSTEM



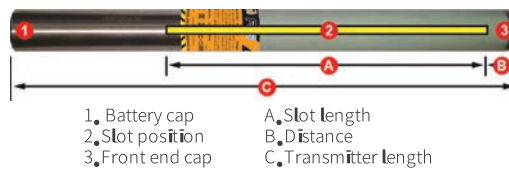
TRANSMITTER SPECIFICATIONS

		Transmitter 15"	Transmitter 19"
	HIGH POWER MODE	DEPTH: 38 m	49 m
		DATA: 45 m	61 m
	STANDARD MODE	DEPTH: 30 m	38 m
		DATA: 38 m	46 m
	LOW POWER MODE	DEPTH: 15 m	30 m
		DATA: 20 m	38 m

TRANSMITTER DRILL HEAD REQUIREMENTS

For maximum transmitter range and battery life, the slots in the drill head must meet minimum length and width requirements and be correctly positioned. DCI's transmitters require a minimum of three slots equally spaced around the circumference of the drill head for optimal signal emission and maximum battery life.

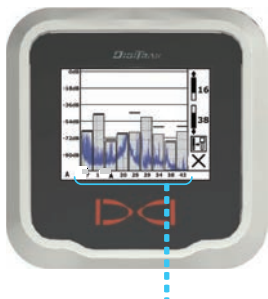
Measure slot lengths on the inside of the drill head; slots must be at least 1.6 mm (1/16 inch) width. DCI transmitters fit standard housings but may require a battery cap adapter in some cases.



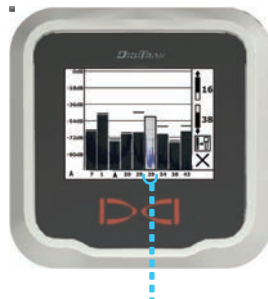
	A Minimum	B Maximum	C
French Wideband	22.9 cm	2.5 cm	38.1 cm
French Wideband	33.0 cm	2.5 cm	48.3 cm

While a Falcon transmitter is compatible with older housing slot dimensions, optimal performance requires the A and B measurements shown above.

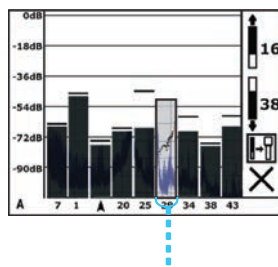
FIGHT INTERFERENCE WITH 600+ FREQUENCIES



600+ Frequencies From 4.5 kHz to 45 kHz

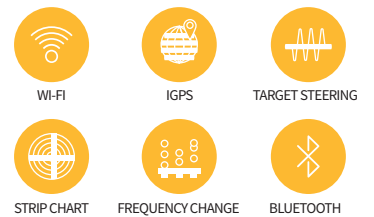


75 Frequencies in one band



17 Best Frequencies work at a time

AURORA TOUCHSCREEN DISPLAY SPECIFICATIONS



		Transmitter 15"	Transmitter 19"	Transmitter 24"
HIGH POWER MODE	DEPTH	38 m	49 m	55 m
	DATA	49 m	61 m	67 m
STANDARD MODE	DEPTH	30 m	38 m	49 m
	DATA	38 m	46 m	56 m
LOW POWER MODE	DEPTH	20 m	30 m	37 m
	DATA	24 m	38 m	43 m



LOG WHILE DRILLING



TRANSMITTER REBAR



IGPS



FLUID PRESSURE



		Transmitter 19"	
HIGH POWER MODE	DEPTH	49 m	
	DATA	61 m	
STANDARD MODE	DEPTH	38 m	
	DATA	46 m	
LOW POWER MODE	DEPTH	30 m	
	DATA	38 m	

BAND NUMBER	7	11	16	20	25	29	34	38	43
RANGE IN KHZ	4,5 9,0	9,0 13,5	13,5 18	18 22,5	22,5 27	27 31,5	31,5 36	36 40,5	40,5 45



		Transmitter 15"	
HIGH POWER MODE	DEPTH	15 m	
	DATA	22.8 m	
STANDARD MODE	DEPTH	22.8 m	
	DATA	30.4 m	

BAND 11 RANGE	
9,0 kHz	13,5 kHz

BAND 34 RANGE	
31,5 kHz	36 kHz

Two bands are only for China

*Transmitter specifications change depending on environmental interference at the work site.
*Depending on construction condition at the work site.

CASE



GOODENG



GS1500-LS
Horizontal Directional Drilling Machine

ChinaTaiwan



GS5000-LS
Horizontal Directional Drilling Machine

Singapore



GS320-LS
Horizontal Directional Drilling Machine

Philippines



GS360-LS
Horizontal Directional Drilling Machine

Vietnam

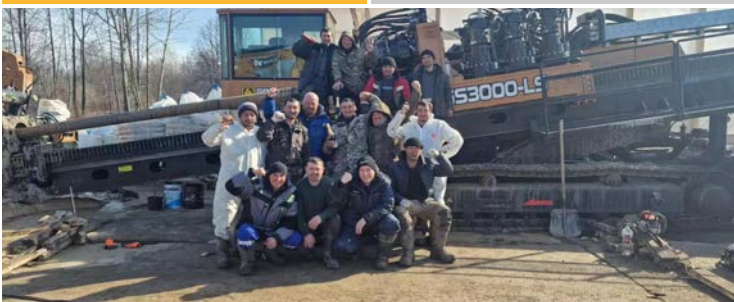
GS130-LS
Horizontal Directional Drilling Machine

Brazil



GS3000-LS
Horizontal Directional Drilling Machine

Russia



MORE⁺

① With the advancement of technology, the products will be improved constantly, and the technical information of our machines may be different from the real objects. The supply status of the actual machine should be based on the sales contract, and the samples are for reference only. If you want to get the latest information about related products, please keep in touch with us in time.

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