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扬州龙
机械有限公司

**YANGZHOU
DILONG**



YANGZHOU DILONG MACHINERY CO.,LTD

江苏省扬州市江都区武坚工业园区
Wu Jian Industrial Park,Jiangdu District,
Yangzhou City,Jíangsu Province.



公司简介 Company Introduction

扬州地龙机械有限公司，是集各类非开挖设备设计、制造、销售与服务于一体的高新技术企业，专业生产顶管设备、盾构设备及其配套设备。

公司以工法创新和智能化建造为牵引，以设计创新、制造创新、管理创新为支撑，自主研制了顶管机、盾构机、顶盾机、硬岩掘进机（TBM）、异形断面掘进机等多个系列产品。

顶管设备主要为800-5000mm之间的泥水平衡顶管机、土压平衡顶管机、岩石顶管机、矩形顶管机、中继间及各类顶管配套设备。

盾构设备主要为2600-6000mm之间的顶盾机、泥水平衡盾构机、土压平衡盾构机等全套设备。

自创办以来，公司瞄准“卓越品质、一流品牌、穿越全球，打造世界级非开挖生产基地”的模板，广泛吸收国内外先进技术，不断与时俱进、创新提高。其专业设备已达到同业领先水平，并以优异的产品质量、准时的交货期、周到的服务赢得用户的认可和信赖，产品销售到东南亚、中东、非洲多个国家，在业内享有良好的声誉。

竭诚欢迎国内外各界朋友光临洽谈，共谋发展。

Yangzhou Dilong Machinery Co., Ltd. is a collection of various nonA high-tech enterprise integrating the design, manufacturing, sales, and service of excavation equipment, specializing in the production of pipe jacking equipment, shield equipment, and supporting equipment.

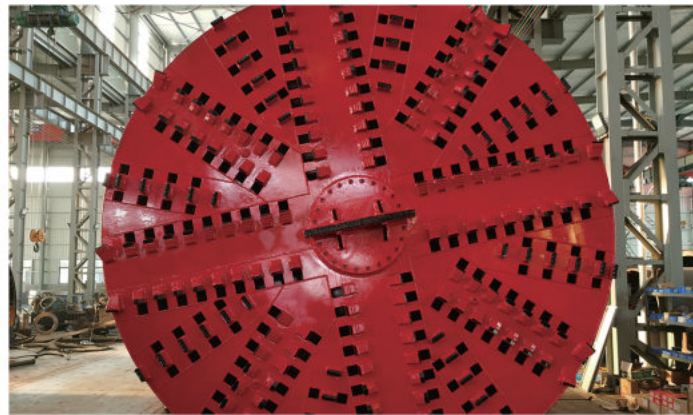
The company has independently developed multiple series of products such as pipe jacking machines, shield machines, top shield machines, hard rock tunneling machines (TBM), and special-shaped section tunneling machines, guided by technological innovation and intelligent construction, and supported by design innovation, manufacturing innovation, and management innovation.

Pipe jacking equipment mainly includes slurry balanced pipe jacking machines between 800-5000mm, earth pressure balanced pipe jacking machines, rock pipe jacking machines, rectangular pipe jacking machines, relay rooms, and various types of pipe jacking supporting equipment.

The shield equipment mainly includes a complete set of equipment ranging from 2600-6000 mm, such as top shield machine, slurry balance shield machine, and earth pressure balance shield machine. Since its establishment, the company has been aiming at the goal of "excellent quality, first-class brand, traversing the world, and creating a base", widely absorbing advanced technologies at home

and abroad, world-class trenchless production and constantly advancing with the times, innovating and improving. Its professional equipment has reached the leading level in the industry, and has won the recognition and trust of users with excellent product quality, punctual delivery time, and thoughtful service. Its products have been sold to many countries in Southeast Asia, the Middle East, and Africa, enjoying a good reputation in the industry.

We sincerely welcome friends from all walks of life at home and abroad to negotiate and seek common development.



泥水平衡顶管机

Mud water balance pipe jacking machine

特征

- 1、广泛适用于各种土质，如软土、粘土、沙子、砾石土壤、硬土、回填土等。
- 2、独立的注水、排水系统。
- 3、最快速度达每分钟近 200 毫米。
- 4、精度高，上下左右转动操作，最大转向角度为 5.5 度。
- 5、使用地面中央控制系统，安全，直观，方便。

Feature

1. Wide applicable various soil, such as soft soil, clay, sand, gravel soil, hard soil, backfill . etc. .
2. Independent water injection, discharge system.
3. The fastest speed is nearly 200 mm per minute.
4. The construction of high precision,

- right, and the most steering angle of 5.5 degrees.
- 5, Use the central control system on the ground, safe, intuitive, and convenient.

Diameter (mm)	Dimensions φ D×L (mm)	Weight (t)	Cutter disk			Steering Cylinder (kN×set)	Internal pipe (mm)
			Power (kW×set)	Torque (kN·m)	rpm		
NPD800	1020×3400	5	2×11	70	3	380×4	100
NPD1000	1220×3500	6.5	2×15	120	2.4	480×4	100
NPD1200	1460×3600	8	2×22	140	2.4	480×4	100
NPD1350	1640×3800	10	2×30	248	2	630×4	100
NPD1500	1820×3900	14	2×30	248	2	630×4	100
NPD1650	2000×4000	16	2×37	260	2.9	800×4	100
NPD1800	2180×4000	20	3×30	480	1.8	800×4	100
NPD2000	2420×4400	24	4×30	580	2	630×8	150
NPD2200	2660×4600	28	4×37	600	2.4	800×8	150
NPD2400	2900×4800	36	4×37	600	2.4	800×8	150
NPD2600	3140×4900	42	4×37	600	2.4	1000×8	150
NPD3000	3620×5000	50	6×37	1400	1.55	2000×8	150
NPD3500	4160×5200	70	6×37	1400	1.55	2000×8	150
NPD4000	4820×5400	80	8×37	1850	1.55	2000×8	150



土压平衡顶管机

Earth pressure balance pipe jacking machine

特征

1. 大刀盘土压平衡隧道顶管机适用于软土、硬土、沙子、卵石层，适合各种土壤条件。
2. 通过合理的灌浆方式可以改善土壤，保持控制面和地面沉降的稳定。
3. 土壤运输、处理方便，工作环境良好、安全，操作方便，适用于大、中口径顶管作业。

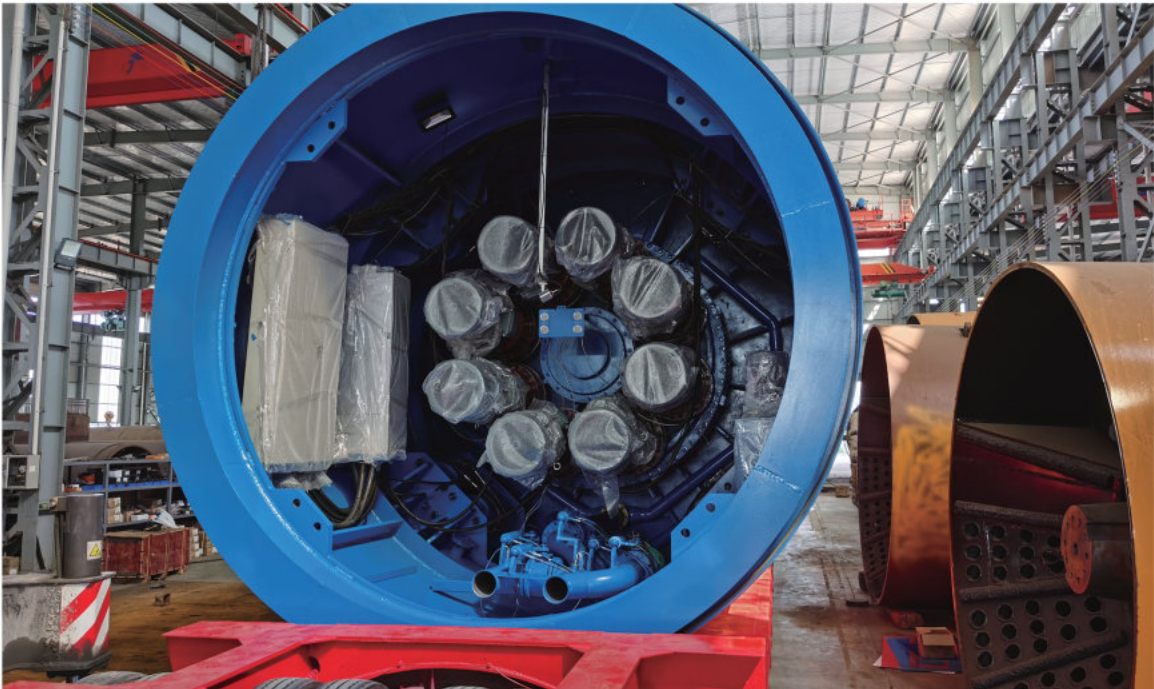
Feature

1. Earth pressure balance micro-tunnel boring machine of large cutter disk is used in soft soil, hard soil, sand and pebble layer, and is suitable for all kinds of soil conditions.
2. By reasonable way of grouting can improve soil, maintain stability of the control surface and ground subsidence.

3. Soil transport and handling convenient, simple, good working environment, safety, convenient operation, suitable for medium and large diameter pipe jacking operations.



Diameter (mm)	Dimensions φ D×L (mm)	Weight (t)	Cutter disk			Steering Cylinder (kN×set)	Internal pipe (mm)	螺旋机规格 (mm)
			Power (kW×set)	Torque (kN·m)	rpm			
NPD1500	1820×4200	17	2×30	248	2	630×4	70	300
NPD1650	2000×4300	19	2×37	260	2.9	800×4	80	300
NPD1800	2180×4400	24	3×30	480	1.8	800×4	80	400
NPD2000	2420×4900	25	4×30	580	2	630×8	80	400
NPD2200	2660×5000	33	4×37	600	2.4	800×8	80	400
NPD2400	2900×5300	42	4×37	600	2.4	800×8	80	460
NPD2600	3140×5500	48	6×37	1400	1.55	1000×8	100	460
NPD3000	3620×5800	58	6×37	1400	1.55	2000×8	100	560
NPD3500	4160×6000	78	6×37	1400	1.55	2000×8	100	560
NPD4000	4820×6000	90	8×37	1850	1.55	2000×8	100	670



岩石顶管机
 Rock pipe jacking machine

特征

- 1、刀头磨损时，可以从机器内部更换，适用于长距离的顶管施工。
- 2、适用于普通土层、巨石、基岩和混合土壤。岩石硬度；50-200 帕。
- 3、内部圆锥粉碎机可以有效地进行二次粉碎。
- 4、地面电脑控制。

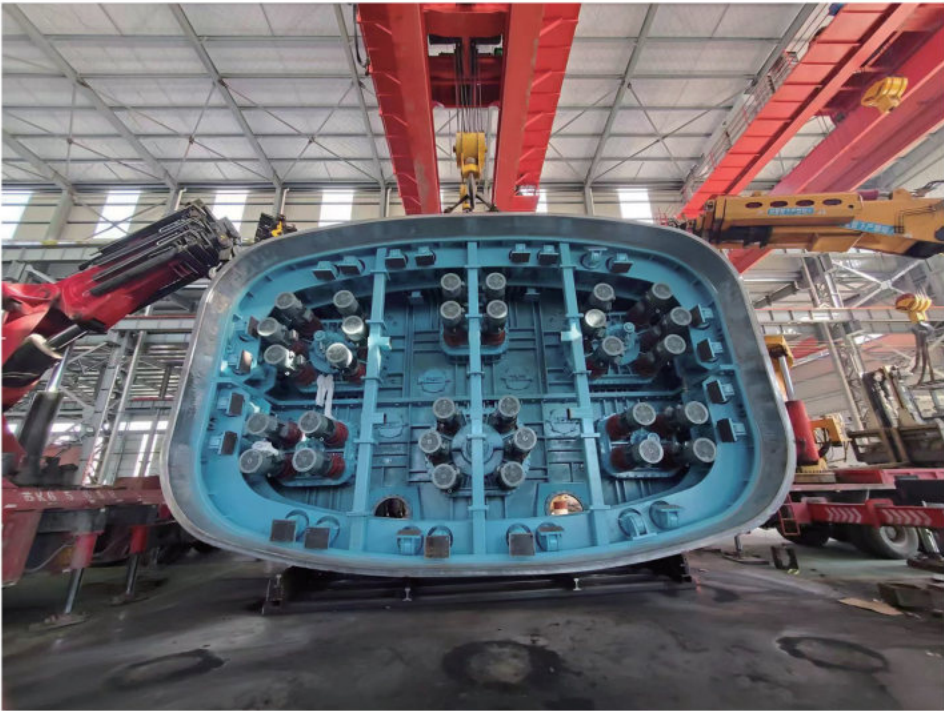
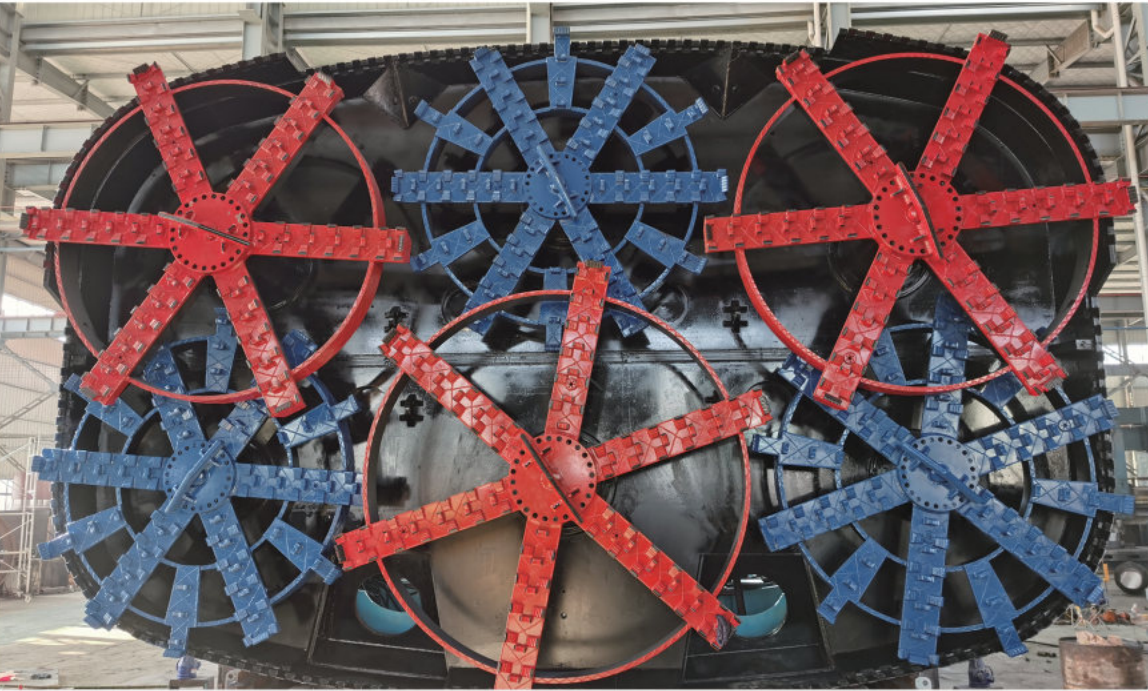
Feature

- 1、Cutter bit, when worn out, can be replace frominside of the machine,so suitable for longdistance pipe jacking construction of rock.
- 2、Suitable for ordinary soil layer to the giantboulders, bedrock and mixed soil. Rockhardness, 50-200 Mpa.
- 3、Internal cone crushingplant can be insecondary crushing effectively.
- 4、The ground computer control.



Diameter (mm)	Dimensions $\phi D \times L$ (mm)	Weight (t)	Power (kW $\times$ set)	Torque (kN $\cdot$ m)	rpm	Steering Cylinder (kN $\times$ set)	Internal pipe (mm)
YD800	1020 $\times$ 4400	7	1 $\times$ 30	62	4.7	380 $\times$ 4	100
YD1000	1220 $\times$ 4400	9	2 $\times$ 15	120	2.4	630 $\times$ 4	100
YD1200	1480 $\times$ 4900	14	2 $\times$ 30	170	3.5	630 $\times$ 4	100
YD1350	1670 $\times$ 4900	17	2 $\times$ 37	210	3.5	800 $\times$ 4	100
YD1500	1880 $\times$ 5100	21	2 $\times$ 45	290	3	1000 $\times$ 4	100
YD1650	2040 $\times$ 5200	24	2 $\times$ 55	320	3.3	1000 $\times$ 4	150
YD1800	2180 $\times$ 5200	28	4 $\times$ 37	330	3.5	630 $\times$ 8	150
YD2000	2460 $\times$ 5200	34	4 $\times$ 37	600	2.4	800 $\times$ 8	150
YD2200	2660 $\times$ 5200	40	4 $\times$ 37	600	2.4	800 $\times$ 8	150
YD2400	2900 $\times$ 5400	50	4 $\times$ 45	645	2.7	1000 $\times$ 8	150
YD2600	3140 $\times$ 5700	60	6 $\times$ 37	1400	1.55	1200 $\times$ 8	150
YD3000	3630 $\times$ 5900	75	8 $\times$ 37	1850	1.55	2000 $\times$ 8	150
YD3500	4160 $\times$ 6000	90	8 $\times$ 45	1800	1.94	2000 $\times$ 8	150
YD4000	4830 $\times$ 6100	110	8 $\times$ 55	2200	1.94	2000 $\times$ 8	150
YD4600	5400 $\times$ 6300	150	8 $\times$ 55	2200	1.94	2200 $\times$ 8	200





土压平衡矩形顶管机

Earth pressure balanced rectangular pipe jacking machine

技术特点:

- 1、采用多刀盘切削，切削率大于90%，针对盲区设置了铲齿刀与导流板，刀具布置满足穿越加固区的施工要求。
- 2、顶管机主轴密封和壳体铰接密封具有高可靠性，保护主轴及防止铰接部位透水。
- 3、具有铰接纠偏功能，配合四周注泥孔有效调整姿态。
- 4、在前壳体上方布设防背土注浆槽，防止背土现象发生。
- 5、具有土体改良功能，满足复杂不良地层中顶进和出土的施工要求。

应用领域:

主要用于城市市区，在不封闭交通，不搬迁地下管线，不破坏街景的情况下，建设地下通道，地铁站出入口，地下公共设施管线等地下工程。

Technical characteristics:

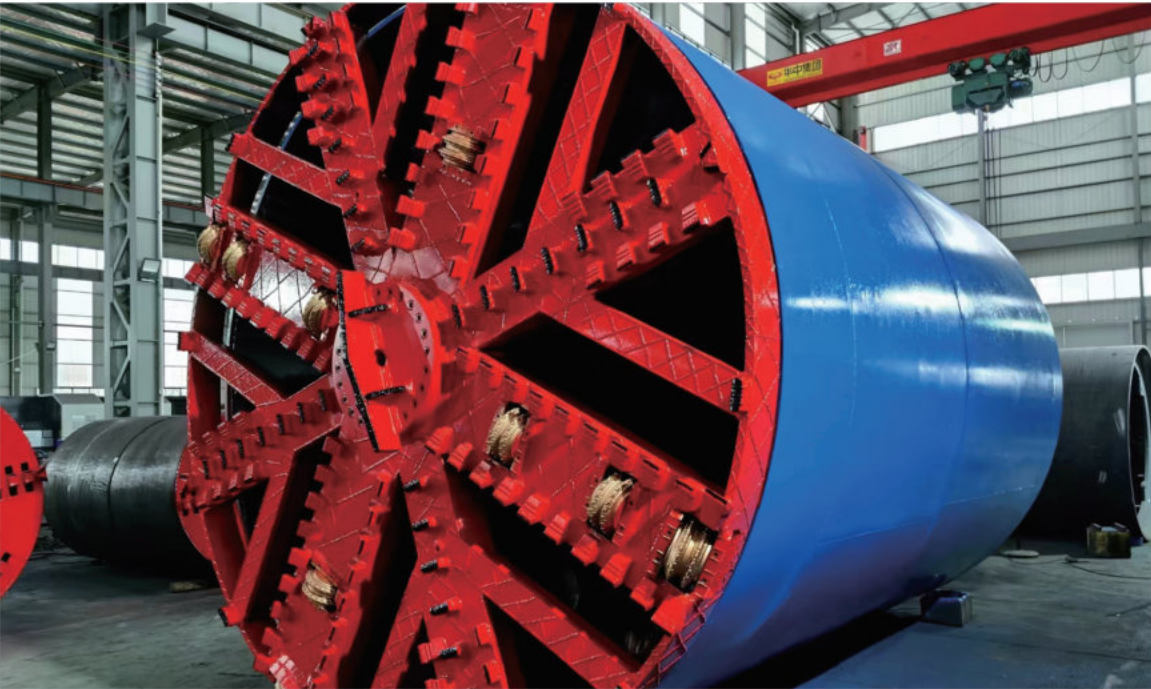
- 1、Multiple cutting discs are used for cutting, with a cutting rate greater than 90%. For blind spots, tooth cutters and guide plates are installed, and the tool arrangement meets the construction requirements for crossing the reinforcement area.
- 2、The main shaft seal and shell hinge seal of the pipe jacking machine have high reliability, protecting the main shaft and preventing water leakage at the hinge parts.
- 3、Equipped with articulated correction function, it can effectively adjust the posture in conjunction with surrounding mud injection holes.

Application field:

- 4、Install anti backsoil grouting slots above the front shell to prevent backsoil phenomena from occurring.
- 5、It has the function of soil improvement, meeting the construction requirements of jacking and excavation in complex and unfavorable formations.

技术参数表 TECHNICAL PARAMETER							
掘进机尺寸DIAMETER: LxWxH(MM)			2800x2800x5400	3000x3000x5290	4200x6900x5500	5300x7700x5600	9800-6300-5700
STEERING 系统 纠偏系统	纠偏油泵 STEERING OIL PUMP	电机功率(KW) MOTOR POWER (KW)	11	11	11	11	30
		最高工作压力(MPA) MAX.PRESSURE(MPA)	31.5	31.5	31.5	31.5	31.5
	纠偏油缸 STEERING CYLINDER	行程(MM) STROKE(MM)	200	200	200	200	200
		最大纠偏角度 (°) MAX.STEERING ANGLE(°)	上下3 UP/DOWN 3	上下3 UP/DOWN 3	上下3 UP/DOWN 3	上下3 UP/DOWN 3	上下3 UP/DOWN 3
			左右3 LEFT/RIGHT 3	左右3 LEFT/RIGHT 3	左右3 LEFT/RIGHT 3	左右3 LEFT/RIGHT 3	左右3 LEFT/RIGHT 3
		推力 (T) x数量 THRUST(T)x QTY.	200x8	200x8	200x16	200x16	200*24
	输送机 SCREW CONVEYER	内径 (MM) ID(MM)	φ 520	φ 520	φ 560	φ 560	φ 670
功率 (KW) MOTOR POWER(KW)		30 (变频) (FREQUENCY CONVERSION)	30 (变频) (FREQUENCY CONVERSION)	37 (变频) (FREQUENCY CONVERSION)	37 (变频) (FREQUENCY CONVERSION)	55 (变频) (FREQUENCY CONVERSION)	
数量 QTY.		1	1	2	2	2	
转速(R/MIN) SPEED(R/MIN)		0-15.3	0-15.3	0-12	0-12	0-12	
掘进机装机容量(KW) TOTAL POWER(KW)			189	221	505	505	1040

用于地铁、过街人行通道的施工
Construction for construction of
subway,pedestrian crossing



复合式隧道顶管机
Compound Pipe Jacking Machine

特征

- 1. 适合各种土壤条件：可以通过更换切割盘来应用于所有土壤。
- 2. 高功率：二次粉碎能力强。
- 3. 刀轮驱动系统采用意大利行星齿轮减速机，动力强，质量可靠。
- 4. 采用电机变频技术，刀盘速度可调。

Feature

- 1. Applicable to various soil oonditions; Can be appliedto all kinds of soil by roplacing the cutting disk.
- 2、 High power; Has strong ability of secondary crushing.
- 3、 Drive system in cutter wheel adopts

Italian planetary,power flow strong and more reliable in quality.
4、 Using the motor frequency conversion technology, the speed of the cutter disk is adjustable.

Diameter (mm)	Dimensions ϕ D×L (mm)	Weight (t)	Power (kW×set)	Torque (kN·m)	rpm	Steering Cylinder (kN×set)	Internal pipe (mm)
NSPD800	1020×4000	7	1×30	62	4.7	380×4	100
NSPD1000	1220×4000	9	2×15	120	2.4	630×4	100
NSPD1200	1480×4500	14	2×30	170	3.5	630×4	100
NSPD1350	1670×4700	17	2×37	210	3.5	800×4	100
NSPD1500	1880×4700	21	2×45	290	3	1000×4	100
NSPD1650	2040×4900	24	2×55	320	3.3	1000×4	150
NSPD1800	2180×4900	28	4×37	330	3.5	630×8	150
NSPD2000	2460×4900	34	4×37	600	2.4	800×8	150
NSPD2200	2660×4900	40	4×37	600	2.4	800×8	150
NSPD2400	2900×5100	50	4×45	645	2.7	1000×8	150
NSPD2600	3140×5400	60	6×37	1400	1.55	1200×8	150
NSPD3000	3630×5600	75	8×37	1850	1.55	2000×8	150
NSPD3500	4160×5600	90	8×45	1800	1.94	2000×8	150
NSPD4000	4830×5800	110	10×45	2250	1.94	2000×8	150

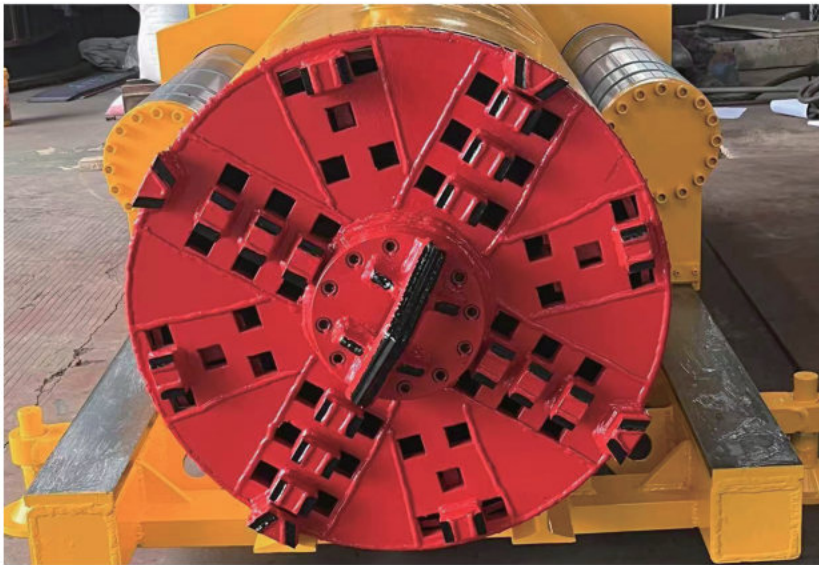


NPD600泥水平衡顶管机
NPD 600 mm Slurry Balance Micro-tunnel Boring Machine

技术特点

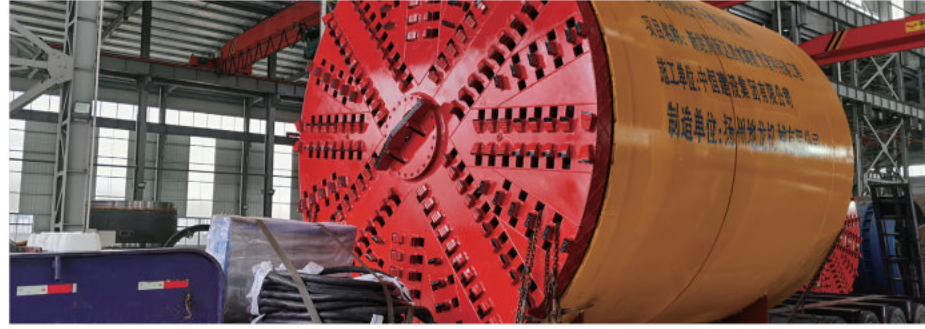
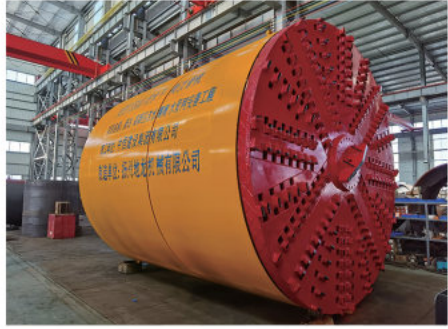
- 1、顶管机采用15KW电机驱动或液压马达驱动，扭矩23KN.m，转速5r/min。
- 2、顶管机结构紧凑，采用反顶设备，液压马达式可以做到在 ϕ 2600mm圆井内施工，节省工作

空间。顶管机适用于硬土、软土、沙土层顶进。



Technical Characteristics

- 1.The pipe jacking machine is driven by a 15KW motor or hydraulic motor, with a torque of 23KN. m and a speed of 5r/min.
- 2.The pipe jacking machine has a compact structure and adopts reverse jacking equipment. The hydraulic motor type can achieve ϕ Construction inside a 2600mm circular well, saving work space. The pipe jacking machine is suitable for jacking in hard soil, soft soil, and sandy soil layers.

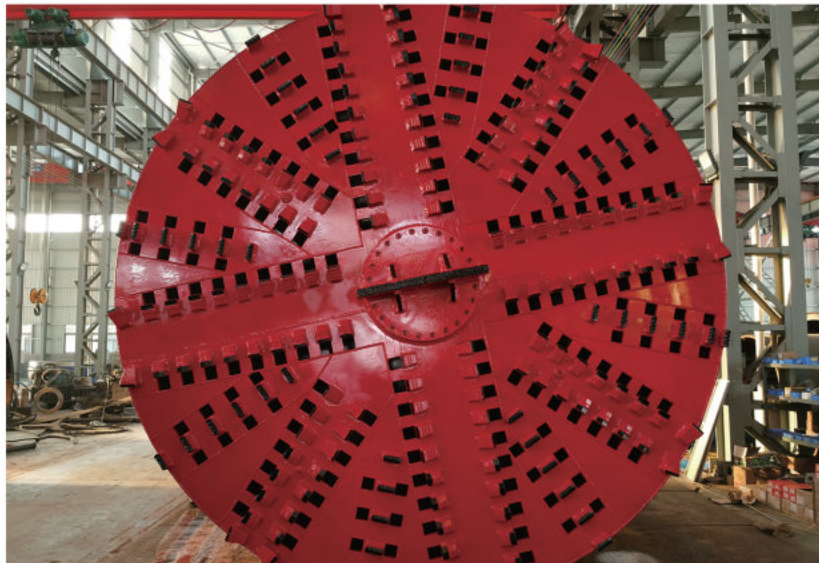


NPD3500 泥水平衡顶管机

NPD3500mm Slurry Balance Micro-tunnel Boring Machine

技术特点

1. 本台顶管机动力采用8台37KW减速机组动力，刀盘扭矩1850KN.m，刀盘转速0-1.55r/min。
2. 以泥水压力来平衡土压力和地下水压力，又以泥水作为输送弃土介质。对所施工顶管周围土体扰动小，易控制地面沉降，可实现连续出土作业，顶进速度快，操作简便，使用寿命长，适合长距离顶管施工。



Technical Characteristics

1. This pipe jacking machine is powered by eight 37KW speed reduction units, with a cutter head torque of 1850KN. m and a rotation speed of 0-1.55r/min.
2. The mud water pressure is used to balance the earth pressure and groundwater pressure, and the mud water is used to transport the waste soil. The soil around the pipe jacking is less disturbed, the ground settlement is easy to control, the continuous excavation operation can be realized, the jacking speed is fast, the operation is simple, the service life is long, and it is suitable for long-distance pipe jacking construction.

PSD3000 砂卵石顶管机

PSD3000 Sand Pebble Pipe Jacking Machine

技术参数

1. 顶管机动力采用6台37KW变频电机驱动，额定扭矩可达1580KN.M，转速0-2.5r/min可调。
2. 多刀盘、开挖面全覆盖设计，所有刀盘同平面布置，刀盘切削区域不相互交叉，同时配备高效的渣土改良系统，达到高效、快速、安全的施工要求，应用于卵石含量高、粒径大、硬度强的砂卵石地层。



Technical Parameters

1. The power of machine is driven by six 37KW inverter motors, with a rated torque of 1580KN.M and an adjustable speed of 0-2.5r/min.
2. Multi cutterhead and excavation face are designed with full coverage. All Cutterheads are arranged in the same plane. The cutterhead cutting area is not intersected with each other. At the same time, an efficient residue soil improvement system is equipped to meet the requirements of efficient, fast and safe construction. It is applied to the sandy pebble stratum with high pebble content, large particle size and strong hardness.



FD2000 复合式顶管机

FD2000mm Compound Pipe Jacking Machine

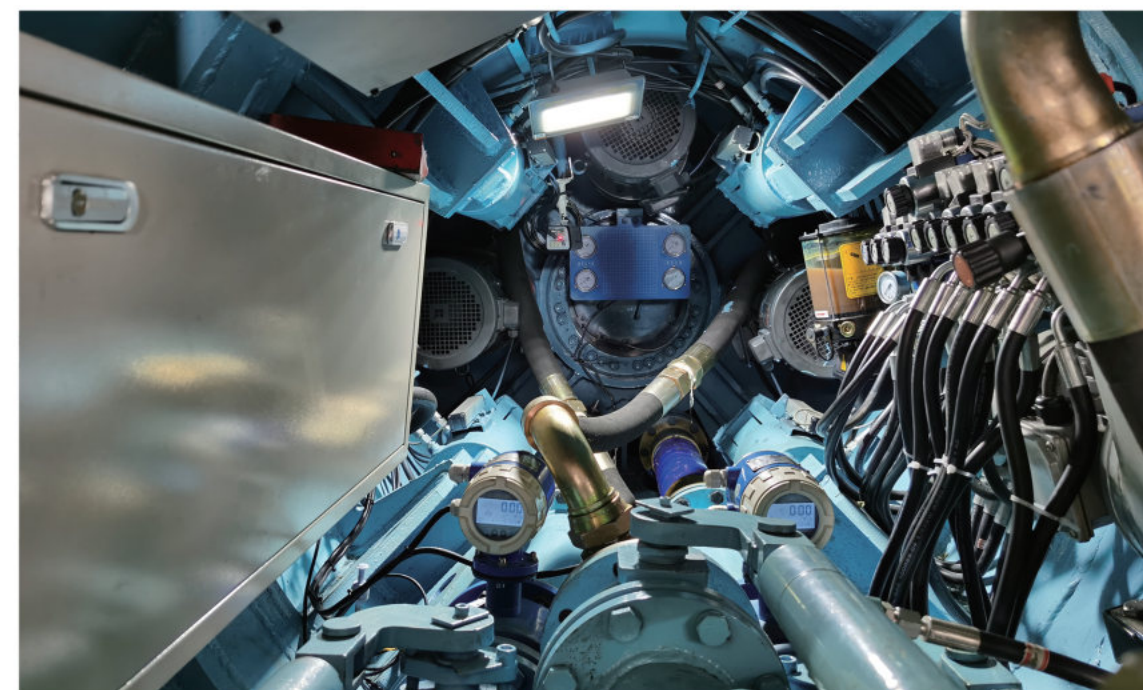
技术参数

- 1、顶管机动力采用 4 台 45KW 变频电机驱动，额定扭矩可达 920KN.M，转速 0-3r/min 可调，刀盘采用整板开洞，相比较条幅式刀盘，阻力大大减小。
- 2、结合岩石顶管机与泥水平衡顶管机特点，可在特殊复杂土质中使用。

Technical Characteristics

1. The pipe jacking power is driven by four 45KW variable frequency motors, the rated torque can reach 920KN.M, the rotating speed is 0-3R / min adjustable, and the cutter head adopts the whole plate to cut holes. Compared

with the strip cutter head, the resistance is greatly reduced.
2. Combined with the characteristics of rock pipe jacking machine and mud water balance pipe jacking machine, it can be used in special complex soil.



YD1000 岩石顶管机

YD1000 Rock Pipe Jacking Machine

特征

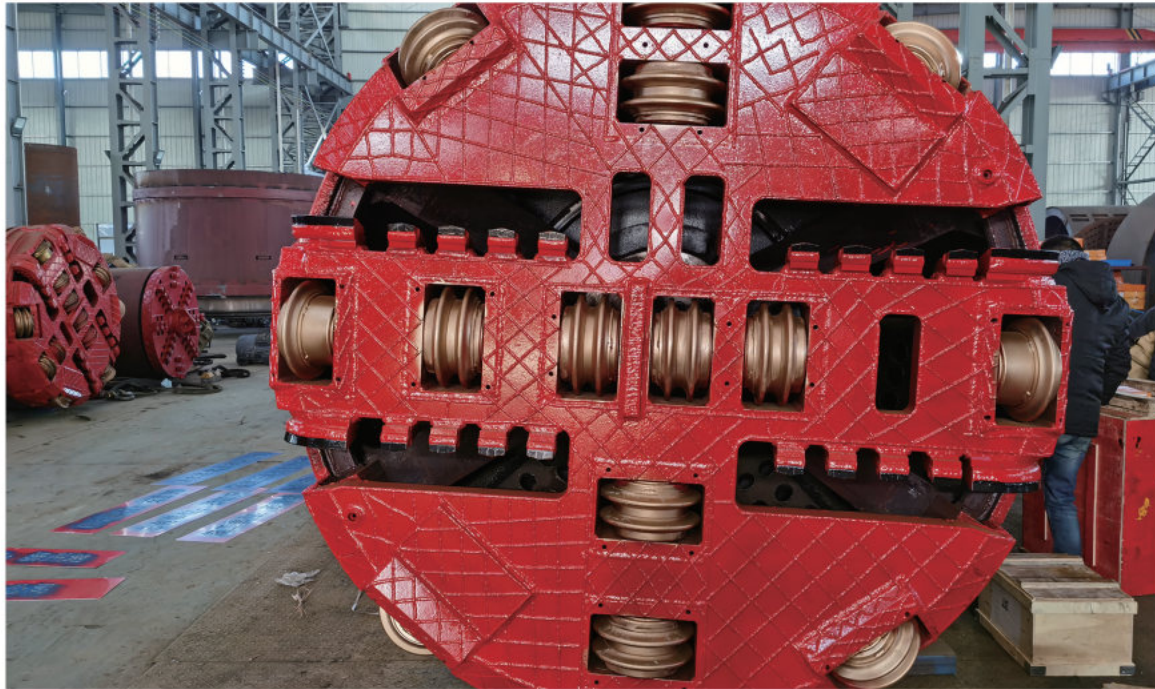
- 1、顶管机采用3台11KW变频电机驱动，额定扭矩100KN.m，转速0-3.2r/min可调。
- 2、顶管机采用回转支承驱动结构，配备前供水，无中心轴，维修人员可自由进入破碎仓检查、更换刀具，实现长距离顶进。顶管机适合在沙土、卵石、岩层顶进。

Feature

1. The pipe jacking machine is driven by three 11KW variable frequency motors, with a rated torque of 100KN.m and an adjustable speed of 0-3.2r/min.
2. The pipe jacking machine adopts a rotary bearing drive structure, equipped with front

water supply, without a central shaft, and maintenance personnel can freely enter the crushing bin to inspect and replace tools, achieving long-distance jacking. The pipe jacking machine is suitable for jacking in sandy soil, pebbles, and rock layers.





YD2000岩石顶管机

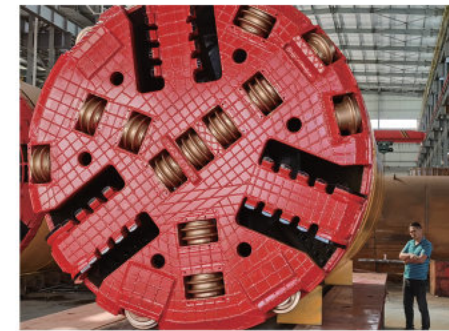
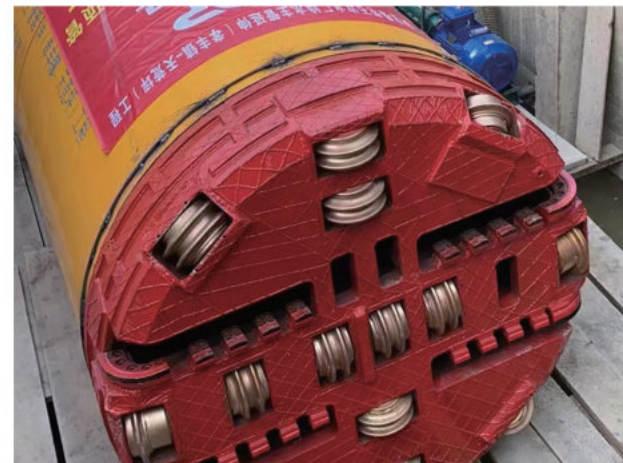
YD2000 Rock Pipe Jacking Machine

特征

Feature

- 1、顶管机采用4台37KW变频电机驱动，额定扭矩600KN.m，转速0-3r/min可调。
- 2、顶管机采用中心主轴式驱动结构，配备前供水与外供水，顶部设有进入孔，维修人员可自由进入破碎仓检查、更换刀具，实现长距离顶进。顶管机适合在沙土、卵石、全断面岩层顶进。

- 1、The pipe jacking machine is driven by four 37KW variable frequency motors, with a rated torque of 600KN.m and an adjustable speed of 0-3r/min.
- 2、The pipe jacking machine adopts a central spindle drive structure, equipped with front water supply and external water supply, and has a manhole at the top. Maintenance personnel can freely enter the crushing bin to inspect and replace tools, achieving long-distance jacking. The pipe jacking machine is suitable for jacking in sandy soil, pebbles, and full section rock layers.



YD2400岩石顶管机

YD2400 Rock Pipe Jacking Machine

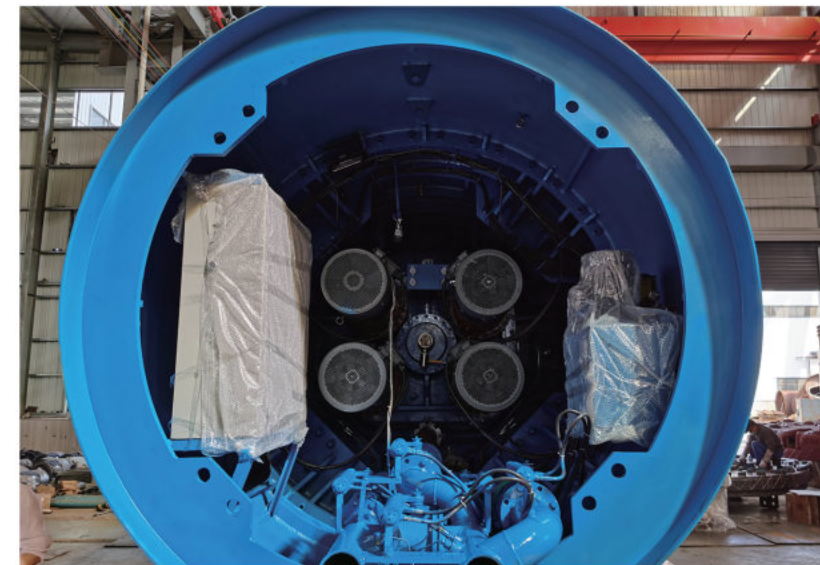
技术特点

Technical Characteristics

- 1、顶管机采用4台45KW变频电机驱动，额定扭矩645KN.m，转速0-2.7r/min可调。
- 2、顶管机采用中心主轴式驱动结构，配备前供水与外供水，顶部设有进入孔，维修人员可自由进入破碎仓检查、更换刀具，实现长距离顶进。顶管机适合在沙土、卵石、全断面岩层顶进。

员可自由进入破碎仓检查、更换刀具，实现长距离顶进。顶管机适合在沙土、卵石、全断面岩层顶进。

- 1.The pipe jacking machine is driven by four 45KW variable frequency motors, with a rated torque of 645KN.m and an adjustable speed of 0-2.7r/min.
- 2.The pipe jacking machine adopts a central spindle drive structure, equipped with front water supply and external water supply, and has a manhole at the top. Maintenance personnel can freely enter the crushing bin to inspect and replace tools, achieving long-distance jacking. The pipe jacking machine is suitable for jacking in sandy soil, pebbles, and full section rock layers.





YD3000 岩石顶管机

YD3000mm Rock Micro-tunnel Boring Machine

技术参数

1. 顶管机动力采用 6 台 37KW 变频电机驱动，额定扭矩可达 1580KN.M，转速 0-2.5r/min 可调。
2. 采用内齿圈传动机构，传动力矩大，无

中心轴，维修人员可自由进入泥水仓，可以进行二次破碎，能更换刀具，传动力矩大，能在硬土层、沙土层、砾石层、岩石层中间进行掘进。

Technical Parameters

1. Power system of six 37kw reducer unit drive, Cutter torque can be 1580 KN.M.
2. The internal ring gear transmission mechanism is adopted, which has large transmission torque and no central axis. The maintenance personnel can enter the muddy water bin freely, can carry out secondary crushing, can replace the cutting tools, has large transmission torque, and can drive in the middle of hard soil layer, sand layer, gravel layer and rock layer.



YD 3000 岩石顶管机

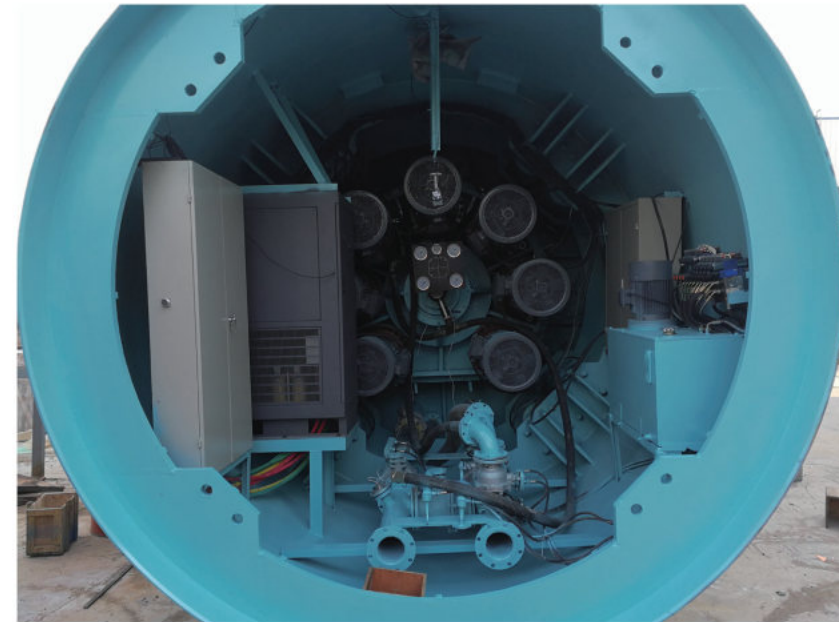
YD3000mm Rock Micro-tunnel Boring Machine

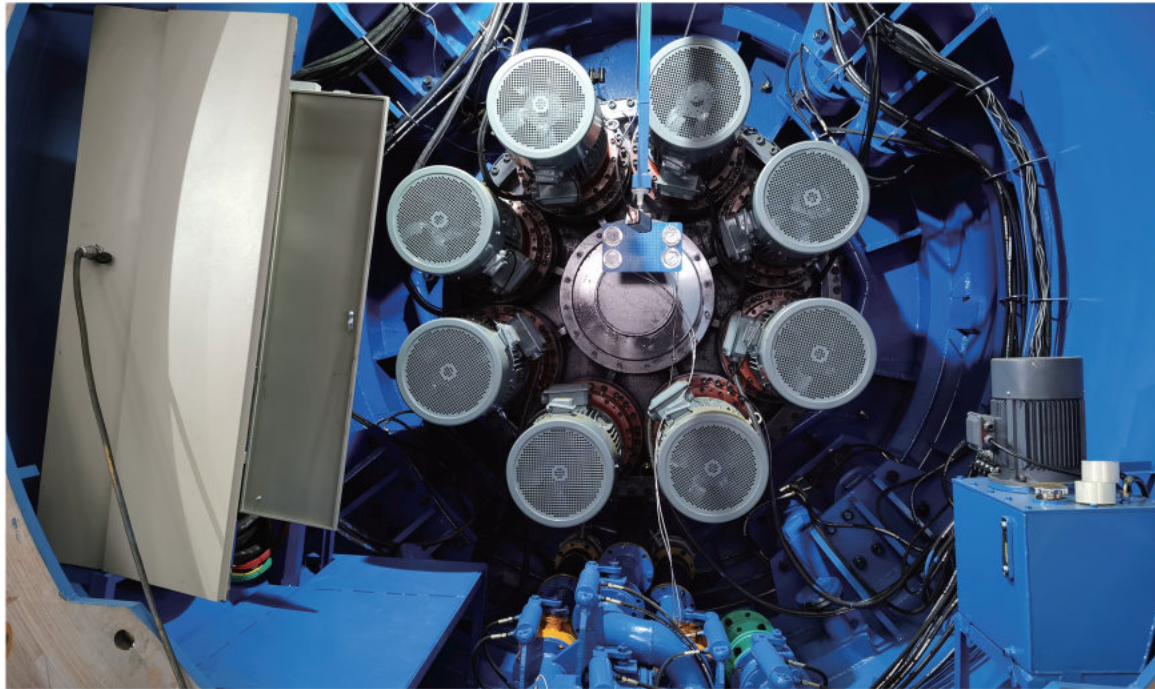
技术参数

顶管机动力采用 7 台 45KW 变频电机驱动，额定扭矩可达 2400KN.M，转速 0-2.5r/min 可调，刀盘采用整板开洞，相比较条幅式刀盘，阻力大大减小。

Technical Parameters

The power of machine is driven by 7 45KW inverter motors, with a rated torque of up to 2400KN.M, and the speed can be adjusted from 0-2.5r / min.





YD3200岩石顶管机

YD3200 Rock Pipe Jacking Machine

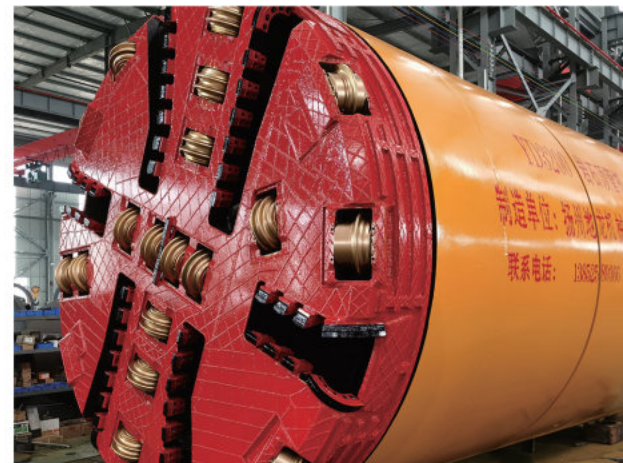
特征

Feature

1、顶管机采用8台45KW变频电机驱动，额定扭矩1790KN.m，转速0-1.9r/min可调。
2、顶管机采用中心主轴式驱动结构，配备前供水与外供水，顶部设有进入孔，维修人员可自由进入破碎仓检查、更换刀具，实现长距离顶进。顶管机适合在沙土、卵石、全断面岩层顶进。

1、The pipe jacking machine is driven by 8 45KW variable frequency motors, with a rated torque of 1790KN.m and an adjustable speed of 0-1.9r/min
2、The pipe jacking machine adopts a central spindle drive structure, equipped with front water supply and external water supply, and

has a manhole at the top. Maintenance personnel can freely enter the crushing bin to inspect and replace tools, achieving long-distance jacking. The pipe jacking machine is suitable for jacking in sandy soil, pebbles, and full section rock layers.



YD3500回转支承岩石顶管机

YD3500 Rotary Bearing Rock Pipe Jacking Machine

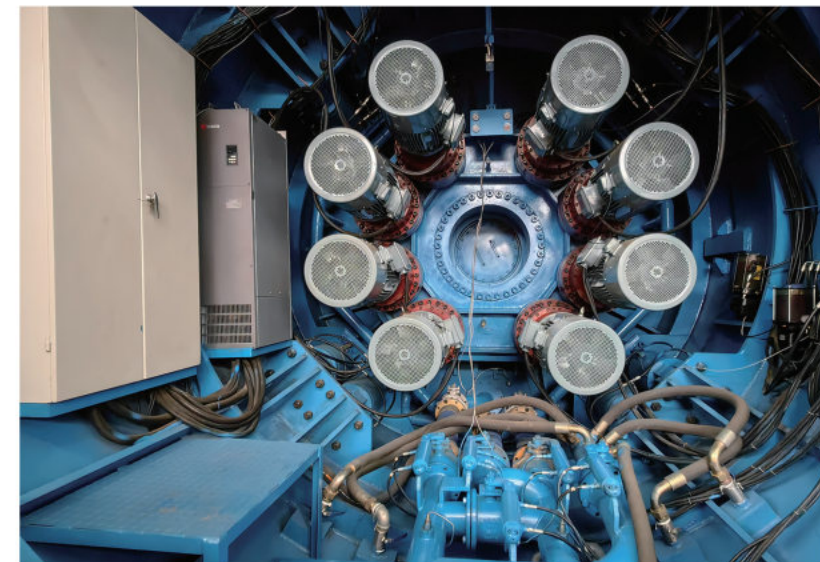
技术特点

Technical Characteristics

1、顶管机采用8台45KW变频电机驱动，额定扭矩1990KN.m，转速0-1.72r/min可调。
2、顶管机采用回转支承驱动结构，配备前供水、外供水，中心注水，相对于主轴式顶管机减少了小齿轮受力更加安全，也缩短了机身长度。

3、无中心轴，维修人员可从回转支承中部或设备顶部自由进入破碎仓检查、更换刀具，实现长距离顶进。顶管机适合在沙土、卵石、全断面岩层顶进。

1、The pipe jacking machine is driven by 8 45KW variable frequency motors, with a rated torque of 1990KN.m and an adjustable speed of 0-1.72r/min.
2、The pipe jacking machine adopts a rotary bearing drive structure, equipped with front water supply, external water supply, and center water injection. Compared to the spindle type pipe jacking machine, it reduces the force on the small gear and is safer, and also shortens the length of the body.
3、Without a central axis, maintenance personnel can freely enter the crushing chamber from the middle of the slewing support or the top of the equipment to inspect and replace tools, achieving long-distance jacking. The pipe jacking machine is suitable for jacking in sandy soil, pebbles, and full section rock layers.





重型反顶架

Heavy reverse top frame

- 1、反顶架总推力900T，每台油缸推力225T，工作行程3000mm-3500mm。
- 2、反顶架适用于外径2500mm以下的设备顶进。



- 1.The total thrust of the reverse jacking frame is 900T, and the thrust of each oil cylinder is 225T, with a working stroke of 3000mm-3500mm;
- 2.The reverse jacking frame is suitable for jacking equipment with an outer diameter of less than 2500mm.

主顶装置

Main Jacking Device

操作台

Operation console



Parameter/Model	YBZ-0.6	YBZ-1	YBZ-1.5	YBZ-2
oil tank capacity(m3)	0.6	1	1.5	3
oil pressure(MPa)	31.5			
Displacement(L/min)	36	2x25	2x25	2x40
motor power(kw)	22	15x2	15x2	30x2
oil cylinder qty	4	6	8	12

主顶泵站

Main roof pumping station

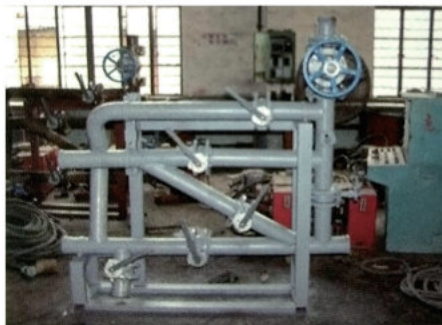
Parameter/Model	YG-200/100	YG-250/150	YG-280/200	YG-320/260	YG-360/300
cylinder ID(mm)	200	250	280	320	360
Diameter of piston rod(mm)	120	180	200	200	210
oil pressure(MPa)	31.5				
Thrust(Kn)	1000	1500	2000	2500	3200
stroke(m)	0.5-1.5	0.5-2	0.5-2.5	0.5-3	0.5-3

主顶油缸

Main top oil cylinder



附件 Accessory



排泥管
Sludge Discharge Pipe



注浆管
Grouting Pipe



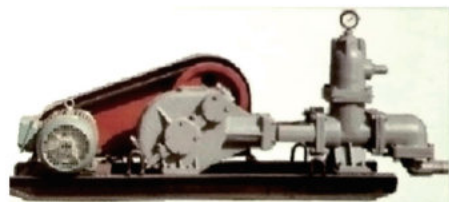
排泥泵
Peed and Discharge slurry pump



搅拌机
Mixer



管卡
Pipe Clamp



注浆泵
Grouting Pump



总控制电柜
Main control cabinet

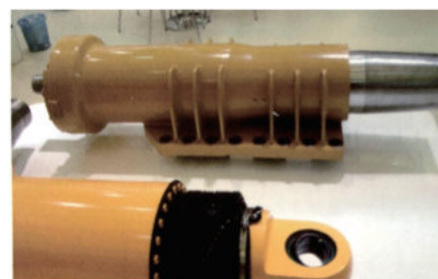


中继器
Intermediate Jacking Station

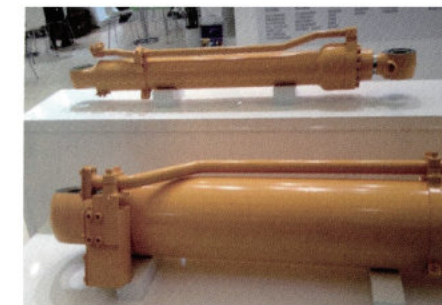
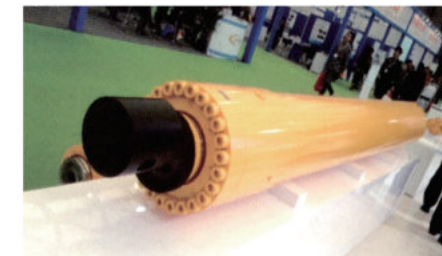
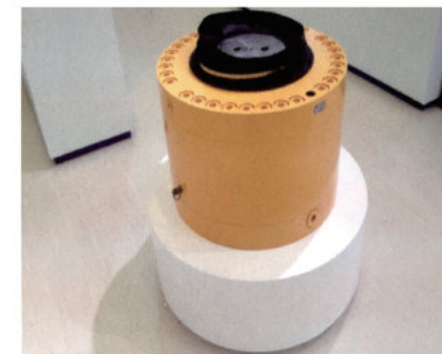
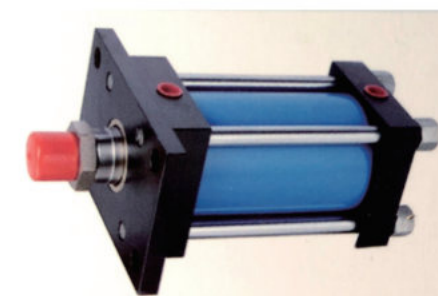
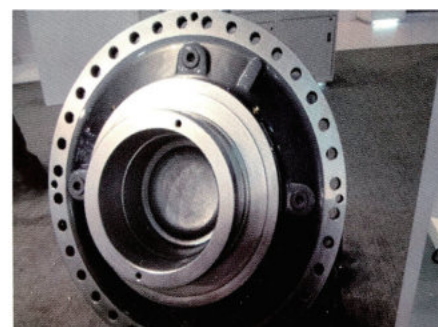


激光经纬仪
Laser Theodolite

其他油缸 Other oil cylinders



Metallurgy Oil Cylinder



Vehicle Oil Cylinder



Rod Oil Cylinder



Engineering Oil Cylinder

公司荣誉
Glories



高新技术企业认证
HNTE Certification



小型土压盾构机技术研究中心
EPB Technology Research Center



IOS 9001认证

江苏省工业和信息化厅文件

苏工信装备〔2022〕665号

关于公布 2022 年度江苏省
首台（套）重大装备认定名单的通知

39	扬州	扬州地龙机械有限公司	泥水平衡顶盾机设备（NPNP3000）
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由我公司自主研发的NPT3700顶盾机荣获江苏省首台(套)重大装备
NPT3700 Top Shield Machine Won the First Major Equipment (Set) in
Jiangsu Province



扬州市认定企业技术中心
Yangzhou City Certified as an
Enterprise Technology Center

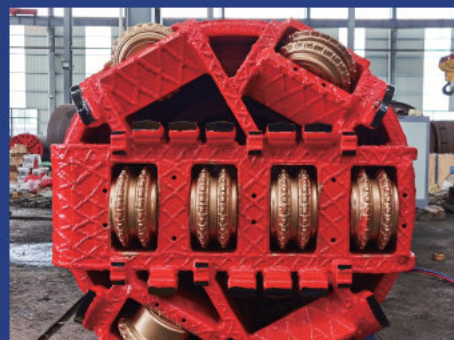
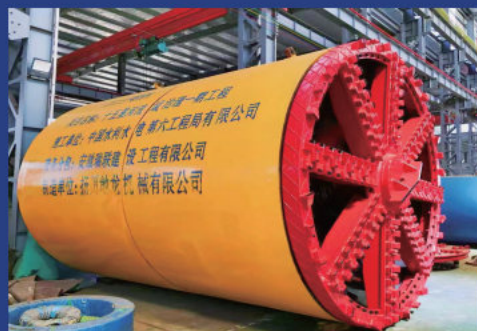


Quality Management Systems Certification

Buyer Name	Specification	Qty	Site Address	Soil Condition
Egypt mariam international company	NPD2250	1	In Cairo, Egypt	In the silt clay,coarse sand
The Singapore anylink engineering company	NPD1800	1	Singapore	Sand, clay
	NPD 900	1		
Shandong victory You Jian company	YD1500	1	Bangkok, Thailand	Limestone, 40-240MPA
Zhong yuan You Jian company	YD1650	1	Saudi Arabia, dammam	Limestone,coarse sand and gravel
Shanghai municipal corporation	TPD 3500	1	Wuhan city	Clay,gravel
China railway bureau in Shanghai	PD 1500	1	Shanghai	Silt clay
	NPD 1000	1	Xiangyang city	Pebble,90%content
	YD1200	1	Shiyan City	Cementing rock, 20-40MPA
Two mechanical construction company of CNPC	TN PD 1500	1	The united Arab emirates dubai	Sand, glue to rock Rock hardness 20-40MPA
	YD1600	1		
China Traffic Second Navigational Bureau	TPD 3000	1	Ho chi minh city, vietnam	Silt clay,clay
	TPD 2500	1	Yinnan yuxi	clay
	NPD 3000	1	Huaian	Shifting sand, clay and stone
	NPD 1650	1	Nantong port of the mouth	Artificial island, sand and gravel
Chongqing water group	YD1350	1	Chongqing	Sandstone 20-50MPA
Jiangsu hua tong company	YD2200	1	nanjing	Pebble sandstone, 20-80MPA
	YD1650	2	Chongqing	Sandstone and mudstone
Beijing tong state macro wang engineering company	TPD 1550	1	Beijing	Coarse sand, silt and clay
	TPD 2150	1	Beijing	
Beijing xin industry construction engineering company	NPD 1550	1	Beijing	Coarse sand, silt and clay
Beijing is a municipal engineering company	TN PD 3000	1	Beijing	Coarse sand, silt and clay
Xi'an road and bridge construction company	TPD 3000	1	Xi'an city	city Collapsible loess, flows and and pebbles Flow sand and pebble
	TN PD 4000	1		
	TN PD 2600	1		
Shaanxi haida municipal corporation	TN PD 3000	1	Xi'an city	city Collapsible loess, Flow sand and pebbles
Guangdong transportation group	4x6m	1	Meizhou of guangdong province	Strong weathered rock
Shanghai n anhui municipal corporation	NPD 1800	1	Shanghai	Silt clay, silt and clay
	TPN 3500	1		
Guangzhou military region airforce	NPD 1500	1	guangzhou	Clay, silt and sand flow

The Company Mainly Sales Performance

面对市场的机遇和挑战，品质卓越 -- 我们的追求，诚信服务 -- 我们的宗旨。
本公司愿以合理的价格、精良的设计、稳定的质量、快捷的交货期、周到的服务、为广大客户提供优质、高效、精良的装备。



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