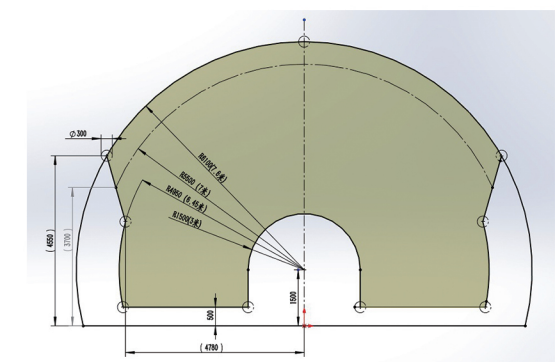


TD-375 型 隧道专用钻机

TD-375隧道专用钻机，是我公司根据隧道施工特点，充分考虑当不能爆破掘进时的施工难点，利用高速的环形切割，可在无粉尘污染的情况下快速高效切割岩石，实现快速掘进进尺。

TD-375 Tunnel Drilling Rig is a tunnel drill developed by our company according to the characteristics of tunnel construction. Taking into full consideration the construction difficulties when blasting is not possible, the high-speed ring cutting can be used to cut the rock quickly and efficiently without dust pollution to achieve fast tunneling.



钻机就位一次性施工范围
In place for one-time construction

可变更模块

- 隧道旋喷
- 隧道管棚
- 隧道注浆
- 隧道环切



主要技术参数/Main technique specifications:

使用性能	Parameters	TD-375	
重量	Weight	20000	kg
运输尺寸	Transport dimension	11300*2800*2900	mm
最大爬坡能力	Max. climbing ability	20	°
最快行走速度	Max. speed	2000	m/h
柴油机功率	Diesel engine	93	kW
电动机功率	Electric power	132	kW
系统压力	System pressure	28	MPa
推进架行程	Feed stroke	2800	mm
举升高度	Lifting height	7500	mm
给进力	Feed force	43	kN
给进速度	Feeding speed	16、65	m/min
提升力	Lifting force	70	kN
提升速度	Lifting speed	10、40	m/min
夹持范围	Clamping range	φ60-φ200	mm
最大扭矩	Max torque	15300	N·m
最大转速	Max speed	474	r/min
最大冲击功	Max impact power	650	N·m
最大冲击频率	Max impact frequency	2300	bpm
螺纹输出	Threaded output	H92	/

主要施工特点/Main characters:

- 1、节能环保，低粉尘

施工用水润滑，实现无粉尘作业；钻进效率提升30%以上。

2、全断面快速对孔

加强举臂结构（左右摆臂±102°、举升高度7.5m），贴墙距离仅200mm，一次移机即可覆盖大范围孔位，对孔时间缩短40%。

3、岩层适应性更广

软岩可直接切割钻进；硬岩采用冲击+切割组合工艺，最大扭矩可达15300N·m，硬岩成孔速度提升2倍以上。

4、安全可靠，双操作模式

驾驶室+无线遥控双重控制，进口液压元件，保障人员安全与施工可靠性。

5、施工应用

隧道加固类：水平旋喷、隧道管棚、隧道注浆、高压旋喷等；钻孔与探测类：超前探孔、隧道环切、微型桩等
1. Energy-saving & eco-friendly, low dust

Water lubrication enables dust-free operation; drilling efficiency is increased by over 30%.

2. Full-face rapid hole alignment

Reinforced boom structure (±102° swing, 7.5m lift height) with 200mm wall-clearance, covers large hole range in one setup; hole alignment time reduced by 40%.

3. Wider rock adaptability

Soft rock: direct cutting; hard rock: combined impact + cutting, max torque 15,300 N·m, penetrating speed more than doubled.

4. Safe & reliable, dual-mode control

Cab + wireless remote control, imported hydraulic components, ensuring operator safety and construction reliability.

5. Applications

Tunnel reinforcement: horizontal jet grouting, fore-poling umbrella, tunnel grouting, high-pressure jet grouting; Drilling & exploration: advance probe hole, tunnel ring-cutting, micro-piles.