



XL-50 Track Type Rotating-Jet Drilling Machine

Introduction of XL-50 Track Type Rotating-Jet Drilling Machine

XL-50 Track Type Rotating-Jet Drilling Machine mainly can be applied on ground treatment and stabilization of railway, highway, bridge, dam, industrial and civil buildings, also used in shallow core drilling and engineering geological drilling, etc.



1. Features of XL-50 Drilling Machine

- Powerful
- Top-drive head driven by hydraulic, stepless speed regulation, high efficiency and low labor intensity
- Variable hydraulic system with load feedback, low energy consumoment
- First use special valve fixed position by friction, satiable for jet grouting technic
- Top-drive head has wide range of rotary speed, meet varying layer and drilling technology
- With track chassis, easy and speedy to move
- With rotary support
- Longer stroke of top-drive head, reduce auxiliary operation time
- Compact structure, centralized operation, easy and safety
- With display unit for verticality of derrick, rotaring of top-drive head and lift speed

2. Main specifications of XL-50 Drilling Machine

Model	XL-50 Track Type Rotating-Jet Drilling Machine
Drilling depth	50m
Rod dia.	Φ42 mm;Φ50 mm
Max torque	2000N.m
Moving speed	1.5km/h
Climbing capacity	20°
Rotation speed of top-drive head	(high)0-240r/min; (low)0-80r/min
Stroke of top-drive head	3500mm
Rated pull force of top-drive head	30KN
Rated thrust force of top-drive head	12KN
Fast lifting and thrust speed of top-drive head(jetting)	0.06-0.9/1.8m/min
Lifting and dropping speed of top-drive head	0-22/0-28m/min
Main pump pressure	20MPa
Auxiliary pump pressure	20MPa
Power unit	22KW
Overall dimensions(L*W*H) Working	2600x1800x4600 (mm)
Overall dimensions(L*W*H) Moving	4600x1800x1780 (mm)
Weight	2500kg

3. Application of XL-50 Drilling Machine: Construction site



- **hydropower project**



- **Jet grouting construction site**



4. **Drilling Machine Ancillary equipment**

NJB/BP-90 High Pressure Grout pump with Frequency-Conversion



NJ-1200 Mud Mixer



tools of various kinds:

faucet, alloy drilling core, funnel, casings, filling catheter, hammer head, core drill pipe, joint locks, single, double or three drill rods, high-pressure hose, single pipe deflectors, single-tube nozzles, etc.

