

 泰业钻机

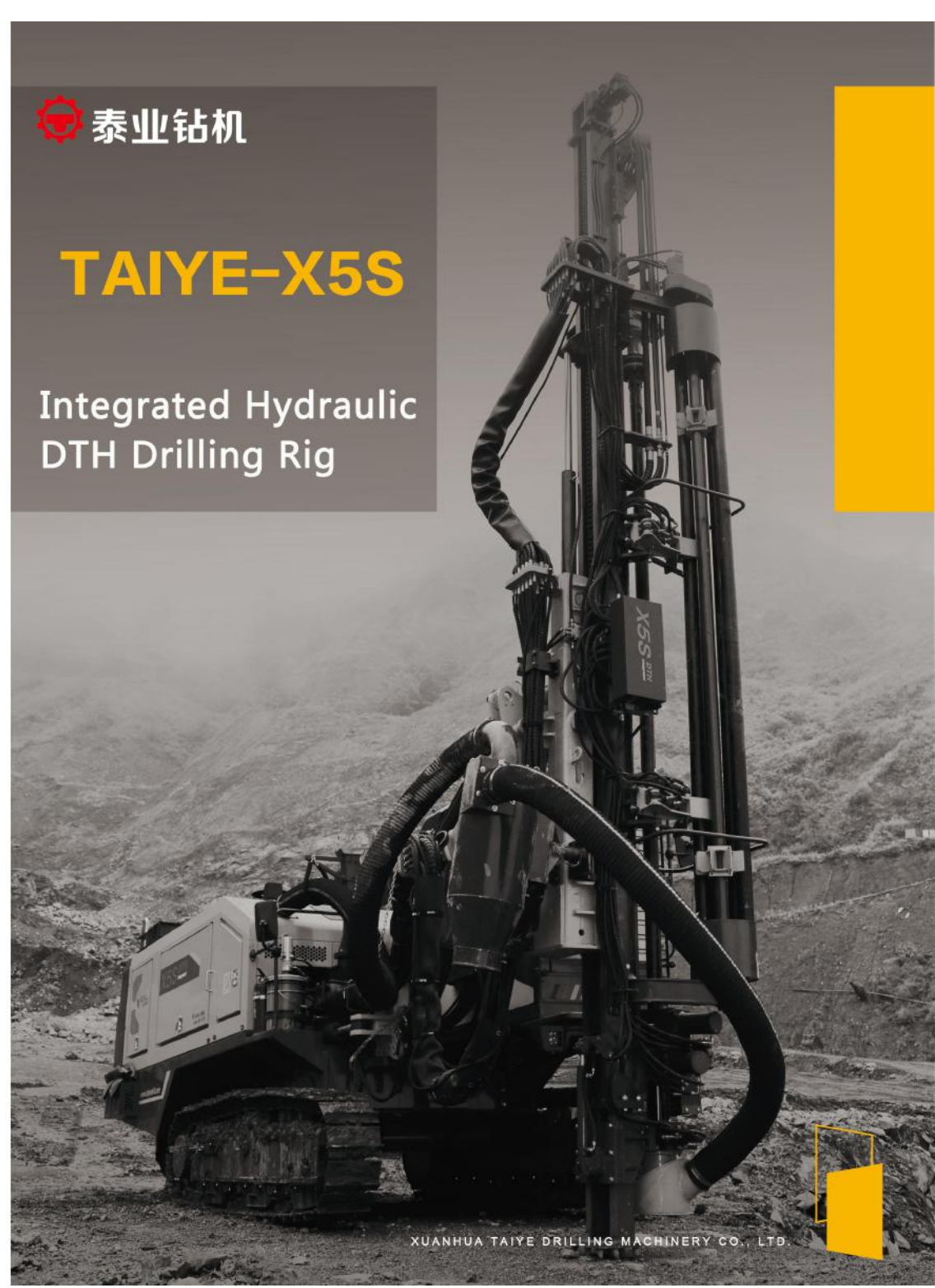
TAIYE-X5S

Integrated Hydraulic DTH Drilling Rig

Technical parameter

model	TAIYE-X5S	Carriage swing(°)	Left/Right 92
hole range (mm)	102-152	Carriage pitching(°)	0-142
Rod type (mm)	89×4000		
Quantity	5+1	Dust removal motor speed(rpm)	3500
		Filter area(m ²)	30
Torque(N.m)	3400		
Rotary speed(rpm)	0-100	Compressor manufacturer	Sullivan-palatek
Feeding stroke(mm)	4860	Flow(m ³ /min)	19.1
Propulsion(N)	20000	Working pressure(Mpa)	2.4
Lifting speed(m/min)	75(max)		
		Engine Manufacturer	DCEC CUMMINS
walking speed (Km/h)	0-3.5	Emission levels	Tier3
Body floating(°)	±10	Engine power(Kw)	264
Gradeability(°)	25	Fuel tank capacity (L)	600
Ground clearance(mm)	420		
Boom pitching(°)	Up 50/Down24	Dimension (mm)	11000×2500×3100
Boon swing(°)	Left20/Right30	Weight (KG)	16500

Note: Due to continuous product upgrades, Taiye Drill reserves the right of final interpretation 2021.03



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XUANHUA TAIYE DRILLING MACHINERY CO., LTD.

A partner you can trust

TAIYE-X5S

Integrated Hydraulic DTH Drilling Rig

X5S is a full hydraulic surface drilling rig with cab, automatic rod changer and dust removal system. It is suit for open-pit mining and quarry. It features high efficiency, durable, easy to maintain and high reliability.



Dual motor rotary reduction gearbox

- It has high torque, 4.5"-5.5" DTH hammer is recommended. It can achieve best working state by adjusting rotate speed and torque. It can keep fast penetration in different working conditions of soft and hard rock.

Automatic rod changer

- Automatic rod changer system improves safety, reduces labor cost and labor intensity. A total of six 4-meter long drill pipe, drilling depth up to 24 meters. That means you save time, and the longer the project lasts, the more you save.

Cab

- Spacious cab with hydraulic pilot handle, air conditioner and other optional equipment, offers a more comfortable operation experience to you. The indoor noise is lower than 85db.



Two-stage screw air compressor and engine

The American Sullivan-Palatek Sullivan air compressor was founded in 1868, and its screw assembly is world-renowned for its high efficiency, reliability and long life. It delivers 19.1m³/min air under a pressure of 24bar to achieve high penetration and strong slag discharge, helping to ensure the straightness of the hole and less cuttings. The powerful Cummins engine is equipped with a dual maintenance-free automatic injection system, which is a stable guarantee for the power of the entire machine.

Dust removal system

The cyclone and laminar flow two-stage dust removal device is adopted, and the built-in high-quality filter material ensures the efficiency and service life of dust removal and protects the health of operators. The filter area of the dust removal system is 30m², which can effectively filter dust and greatly reduce the impact of dust on the environment.

Chassis and drill arm

The crawler of TAIYE-X5S has good flexibility and safety. It is equipped with an imported high-torque walking motor, which enables the rig to drill holes on difficult ground, through rugged roads and realize safe transportation on site. TAIYE-X5S uses a sturdy straight arm design with central positioning, which gives the driller a good view and provides simple and direct positioning.

Control System

TAIYE-X5S adopts a direct control system, which is easy to operate and maintain. The direct control system uses fewer components, which can reduce failures and improve reliability and service efficiency. For the stability of the system, we use well-known hydraulic components to ensure the reliability and durability of the drilling rig.