



Pilling Machinery

TZ3S Drilling Jambo



- **Product Category:** Drilling Jambo
- **Brand:** XCMG
- **Model:** TZ3S
- **Price:** \$100000.00-\$1000000.00 / EA
- **Delivery Time:** 1-90DAYS
- **Supply Capacity:** 1-500UNITS / Year
- **Product Origin:** China
- **After-sales Service:** Engineers available to service machinery overseas.

Product Feature of TZ3S Drilling Jambo

Main Applications

It's mainly applicable for the tunneling operations of roadways and tunnels in mines and other underground projects.

Capable of drilling of blast holes, anchor rod holes, and undermining holes and installation of explosives, anchor rods, and air ducts.

Maximum operation area coverage: 186.5 m².

Technical Features

Drill jambo

The hydraulic drill jambo adopts special structural process on the basis of the domestic tunneling process to realize super-strong anti-bending capability, high drilling speed, and low drilling tool consumption and effectively improve the working performance of tunnel side hole drilling.

Propeller



The lightweight high-strength alloy girder features high anti-bending, anti-distortion, and anti-fatigue performances and longer life.

Chassis

It's applied with energy-saving, environmental-friendly, and low emission engine, powerful all-road all-drive self-adaptive traveling system, integral frame, and rear-wheel steering system, featuring high vehicle stability.

Drill boom

The all-directional paralleling-maintained drill booms of proprietary technology features accurate positioning. The drill booms adopt equal-strength structure design to realize reasonable structure, high strength, and long life.

Drilling system

The automatic anti-seizure, anti-empty-drilling, and automatic return functions of drilling tool are provided to effectively improve the drilling efficiency.

Working platform

Rotary protection shed enhances the platform construction safety.

Centralized lubrication system

Promote the lubrication performance of vehicle and reduce the maintenance works.

Hydraulic system

A great amount of steel tubes is applied to prolong the pipeline life and promote the beauty of vehicle.

Electric system

The traveling data recorder is installed to improve the traveling safety. The GPS monitoring and unlocking functions are provided to reduce the sales risk of vehicle. The lamps are installed for the electric cabinet and frame to improve the maintenance convenience.

TZ3A drill jambo (Optional version)

Highlights of FGS system

Customized navigation process

Visual display of all boom positions

Click to zoom up every display

Automatic stop of drilling upon sending of 24V signal to every drilling boom

Press reset button to automatically stop drilling in event of interference.

Production report after every drilling cycle

Calculation recommendation for charge volume

Optional top view and side view

3D views in drilling data management for the viewing of background office

Display of drilling pressure of Montabert jackdrill and indication of overpressure

Available Chinese operation interface

4 pressure sensors on every boom

Synchronized data among all display screens in cab

USB synchronized production data

Advantages of FGS system

Rapid positioning and simplified process of booms

Easy operation interface

Automatic return of jackdrill and level bottom end of blast holes

Management of hole arrangement diagram

Production management (Blast hole drilling effect)

Really firm components



Power system

▲ The equipment suitable for high-altitude and low-temperature conditions are installed, including engine block water heater, engine oil heater, fuel heater, and highland fan.

Hydraulic system

▲ The hydraulic oil heater is suitable for operations in highland regions and the digital display of system parameters eases the observation.

Enclosed cab

▲ It's installed with A/C system and music player to improve the operating environment.

Working platform

▲ The interlocking function between superstructure and chassis improves the construction safety.

Air system

▲ The hole blowing function is provided to remove the rock fragments from hole and ease the installation of explosive. The water mist deslagging function is suitable for the operations in the applications with insufficient water resource (The corresponding adjustment is required for the hydraulic system and the electric system).

Drill pipe extension system

▲ The multiple drill pipes can be connected to complete the drilling of diversified holes in depth of $\leq 30\text{m}$.

Parameters of TZ3S Drilling Jambo

Item	Unit	Parameter
Maximum operation cover area	m ²	186.5
Maximum operation height	mm	13110
Maximum operation width	mm	16527
Drill boom extended length	mm	1602
Drill boom lifting angle	°	69/-43
Tit angle for propeller	°	±45
Propeller tit angle	°	360
Propeller compensation length	mm	1800
Maximum propulsive force	kN	22.5
Drill hole depth	mm	5140/6015
Impact power of gadger	kW	18.8/31
Impact frequency of gadger	Hz	47/(63-72)
Swing torque of gadger	N.m	780/671
Diameter for dill hole	mm	φ43-φ140
Water flushing pressure	bar	10 月 15 日
Gas lubrication pressure	bar	2 月 4 日
Lifting height for working service platform	mm	12000
Swing width for working service platform	mm	15500
Rated load for working service platform	kg	400
Lifting height of cab	mm	1200
Lifting height of cab roof	mm	700

Total installed power	kW	237/232
External power supply	V/Hz	380/50
Maximum traveling speed	km/h	20
Maximum gradability	°	20
Engine power	kW	186
Transport dimension	mm	17240*2926*3655
Curb weight	kg	50000