



安曼钻机
ANMAN

国家级
专精特新
“小巨人”企业

AM-24

钻机

Drilling rig

钻 机 样 本

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钻机 Drilling rig

主要施工特点 Main characters

- 1、动力头带有大功率顶部冲击,不用潜孔锤和空压机就可以达到冲击钻进的效果;亦可选配双动力头,用于各种复杂地层钻孔
 - 2、加强型全方位变角机构,施工稳定;结合立式转盘结构,实现隧道钻孔多方位、多角度调节施工;
 - 3、钻具从外到内均参与传递冲击功,不易发生卡钻,埋钻等孔内事故,从而减少施工成本和风险;
 - 4、大扭矩、高转速、大功率。针对砂卵石、碎石、夹石土、沙层等易塌孔要靠冲击钻进的地层,实现快速钻进,确保成孔质量。尤其是当地层含水量太高无法使用潜孔冲击器工作时,本机所用的施工工艺成为不二选择;
 - 5、本机配备随钻测斜和主动纠偏系统,通过钻头传感器实时监测位移与方向。发现偏斜时,可自动收缩动力头间距,使纠偏钻头前出,并依据传感数据调整加压力方向,实现钻进过程的主动、即时纠偏。纠偏完成后复位动力头,保障钻孔精度。
 - 6、施工应用:超前探孔、水平取芯、高精度引孔、隧道管棚等隧道施工;基坑支护、微型桩等各类工程施工。
- 1、The drifter can achieve the effect of impact drilling without the use of DTH hammer and air compressor; dual heads are optional for various complex construction;
 - 2、Adopting international classic structure model, the angle adjustment is flexible and convenient, widely applicable to domestic and foreign construction, especially tunnel construction needs;
 - 3、The drilling tools are involved in transmitting the impact power from outside to inside, so it is not easy to have accidents in the hole such as jamming and burying, thus reducing the construction cost and risk;
 - 4、High torque, high speed, and strong power. For collapse-prone formations like gravel, sand, etc., percussion drilling ensures rapid hole completion. When too wet for DTH hammer, this machine becomes an excellent choice.
 - 5、Real-time inclination monitoring and active deviation correction. Sensors track bit displacement and orientation. On detecting deviation, the system retracts the rotary head gap, extends the correction bit, and adjusts thrust direction for real-time correction. After correction, the rotary head resets to ensure drilling accuracy.
 - 6、Construction applications: over the probe hole, horizontal coring, high-precision pilot hole, tunnel pipe shed and other tunnel construction; anchor, jet grouting, pit support, micro-pile and other engineering construction.

施工案例 Construction cases



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技术参数 Technique specifications

参数	Rig parameters	AM-24					单位 Unit
重量	Weight	24000					kg
运输尺寸	Transport dimension	9450*2600*3420					mm
垂直施工尺寸	Vertical dimension	8250*3950*10620					mm
履带底盘	Undercarriage						
轴距	Wheel base	2830					mm
最大宽度	Max width	2600					mm
履带宽度	Pad width	600					mm
最大爬坡能力	Max. climbing ability	20					°
最快行走速度	Max. speed	1500					m/h
液压动力	Power pack						
柴油机功率 ★	Diesel engine ★	242 kW @ 2200 rpm					/
电动机功率 ☆	Electric power ☆	/					kW
系统压力	System pressure	30					MPa
系统流量	System flow	234+234					L/min
液压油容积	Oil tank	680					L
柴油箱容积	Fuel tank	280					L
桅杆	Mast						
推进架行程	Feed stroke	4400					mm
总长	Total length	8733					mm
给进力	Feed force	130					kN
给进速度	Feeding speed	40					m/min
提升力	Lifting force	130					kN
提升速度	Lifting speed	40					m/min
夹持器	Clamps	双夹 Double ★		三夹 Triple ☆			
夹持范围	Clamping range	φ73-φ350		φ73-φ400			mm
夹紧力	Clamping force	235		235			kN
卸扣扭矩	Breaking torque	68500		68500			N·m
动力头参数	Drifter	套管动力头 Casing head & 钻杆动力头 Drill pipe head				顶驱 Drifter	
型号	Motor	HQ-450	HQ-350	HD-120X	HD-100X	HD-250	/
最大扭矩	Max torque	45000	35000	16425	8200	24480	N·m
最大转速	Max speed	10.4	63	308	170	84	r/min
最大冲击功	Max impact power	/	/	650	650	1180	N·m
最大冲击频率	Max impact frequency	/	/	2300	2300	2000	bpm
螺纹输出	Threaded output	φ140	φ140	H92	H92	H112	/
施工参数	Construction						
钻孔角度	Hole angle	-15-117					°
钻杆直径	Pipe diameter	φ73-φ400					mm
举升高度	Lifting height	/					mm

(★表示标配, ☆表示选配 ★ means standard, ☆ means optional)

参数表仅供参考, 具体请与销售/技术确认

Specifications subject to change; please confirm with sales/technical.

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钻机特点 Features

1、双动力头—大扭矩回转动力头+顶驱动力头

1、 Double rotary head—High speed drifter + high torque rotary head

2、350mm大口径夹持器—专为大口径钻孔施工设计，夹持稳固（可选配三夹持器系统）

2、350mm Large-Diameter Clamp – Designed for large-diameter hole construction, ensuring secure gripping (Triple-clamp optional).

3、立式转盘—方便隧道施工多角度对孔

3、 Vertical turntable - Convenient for tunneling construction with multi-angle hole alignment

4、加强型全方位变角机构—施工稳定

4、 Reinforced omnidirectional variable angle mechanism - Construction stability

5、大功率柴油机—满足双动力头的功率需要

5、 High-power diesel engine — meets the power demand of dual rotary heads.

6、升降式转臂操作台—方便，灵活，安全（可选配全遥控操作）

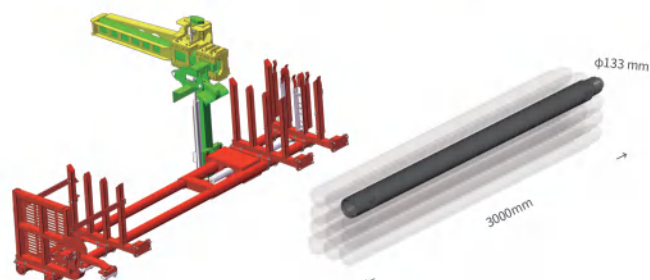
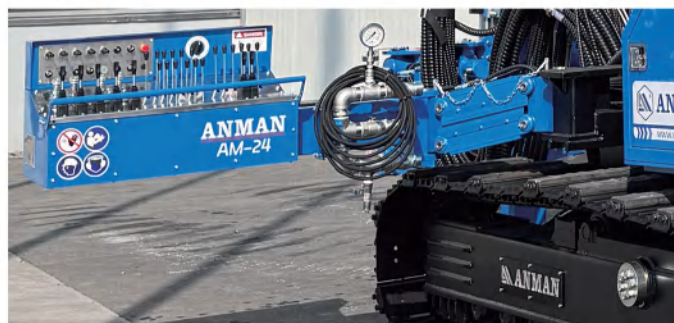
6、 Lifiable Swivel Arm Console - Convenient, flexible, safe (full remote control optional)

7、自动上钻杆机构 ☆

—全自动代替人工搬运，节省人力成本

Auto rod hand ☆

—Fully-automatic instead of handling, saving labor costs

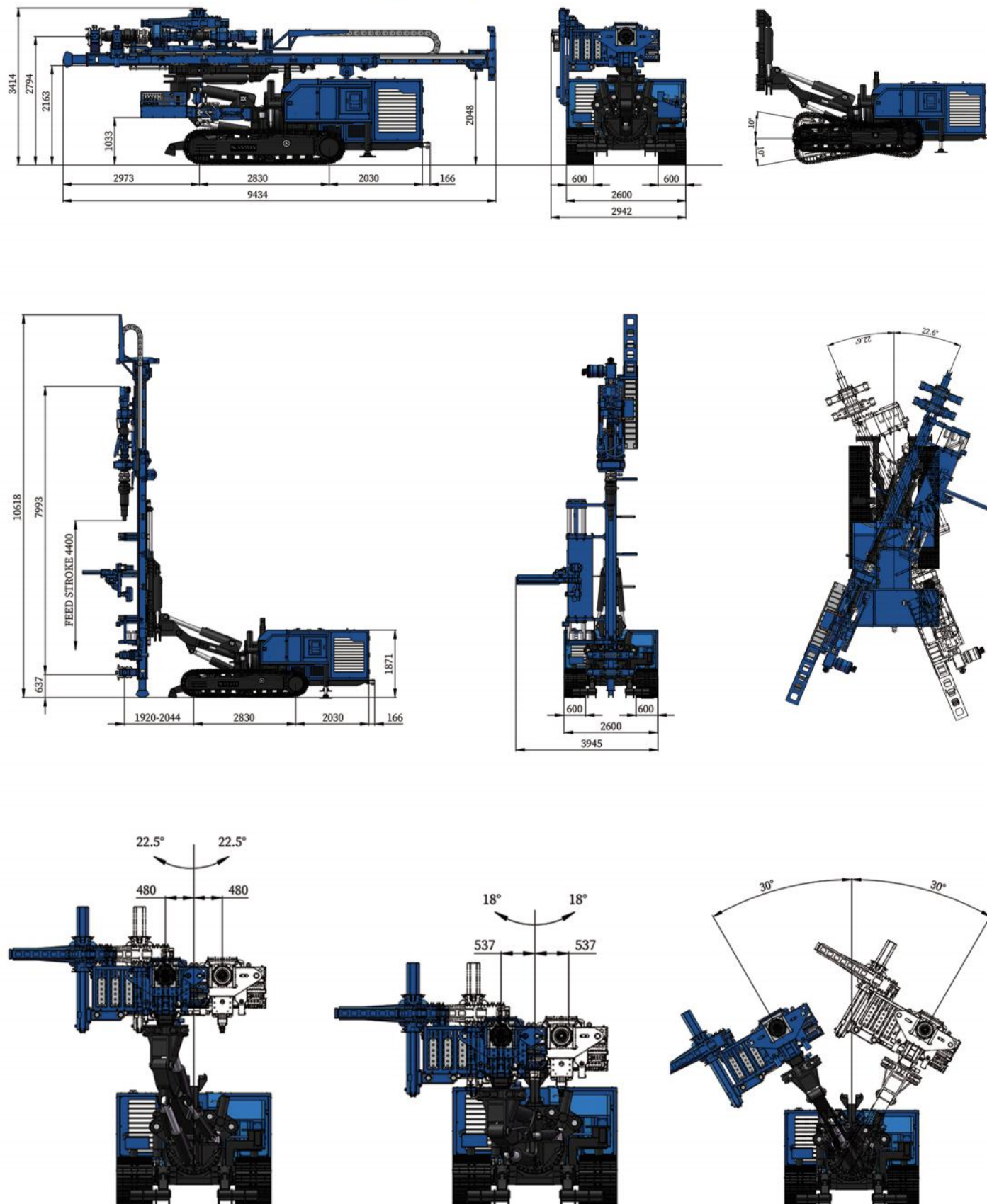


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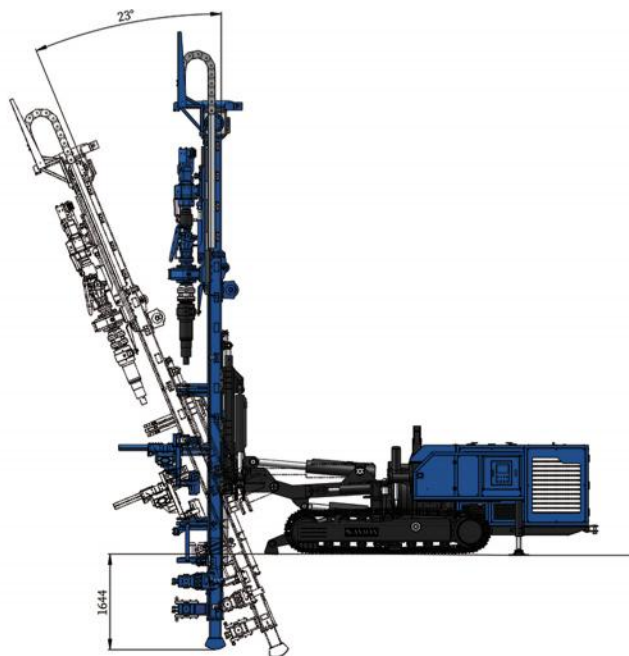
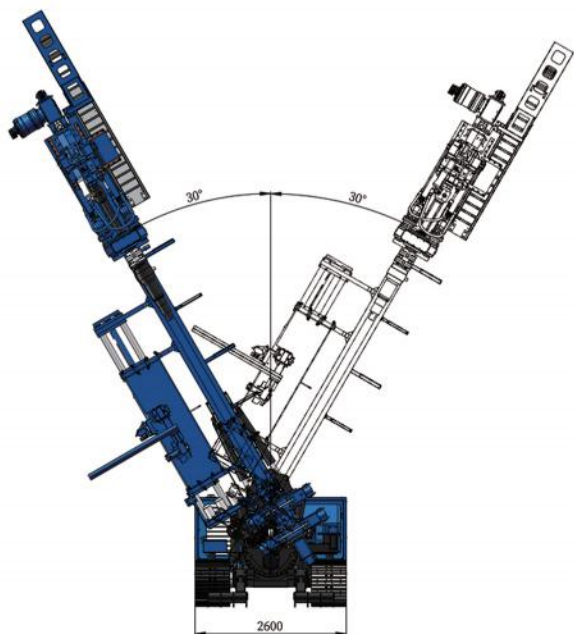
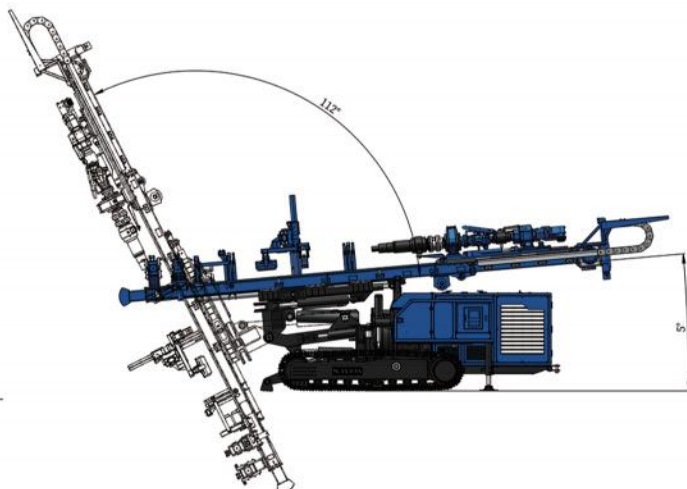
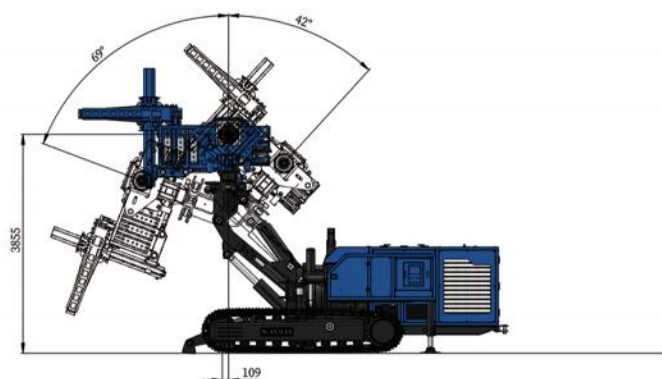
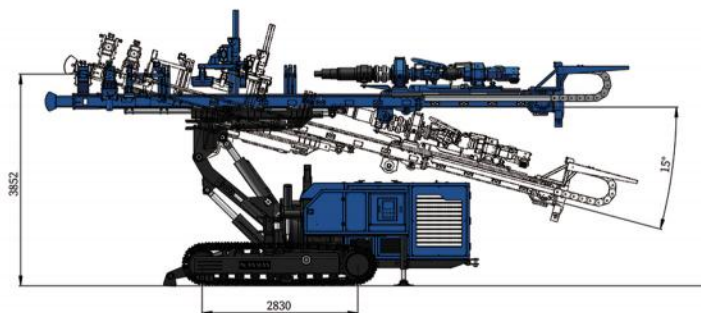
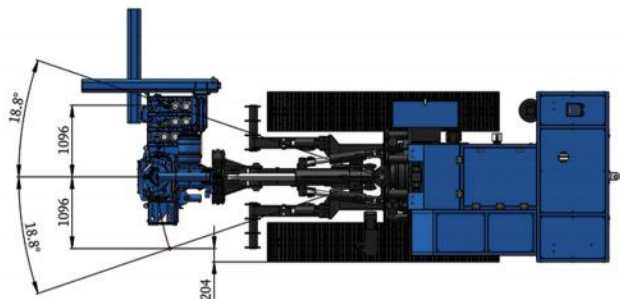
施工角度示意图 Construction angle diagram



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施工案例 Construction cases



注浆引孔施工
Grouting pilot hole construction



旋喷引孔施工
Grouting pilot hole construction



水平引孔施工
Horizontal Pilot Hole



水平高精度引孔
Horizontal High-Precision Pilot Hole

产品给客户创造财富
Products create wealth for customers

企业给员工创造幸福
Enterprises creat happiness for employees



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