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FUJIAN XIAPU ZHONGYUAN MACHINERY CO., LTD.

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STONWIN



众源是一家深耕“众源”、“stonewin”等品牌石材开采、加工设备及其配套金刚石工具研发、制造与销售的一体化高新技术企业，形成了一体化的研发与服务体系。公司致力于通过技术创新，为全球石材行业提供系统化、专业化的石材切割解决方案，推动行业向更加高效、环保、节能、智慧的方向发展。

公司在福建宁德拥有两大现代化的研发、生产基地，配备有石材开采设备、石材加工设备及金刚石绳锯等独立研发部门。凭借持续的技术创新能力，公司已累计获得近百项相关技术专利，并获得国家高新技术企业、福建省专精特新中小企业、福建省知识产权优势企业、等多项荣誉称号，彰显了企业在石材切割领域的深厚技术水平和研发实力。

公司产品主要有：石材加工多组绳锯机、石材矿山开采绳锯机、水平取芯钻、潜孔钻、金刚石串珠绳锯等。其中，石材加工多组绳锯机凭借其先进的技术水平获得2020年福建省首台（套）重大技术装备认定。产品已广泛应用于国内外石材开采与加工领域，为用户提供高效、精准的切割解决方案，赢得市场好评。

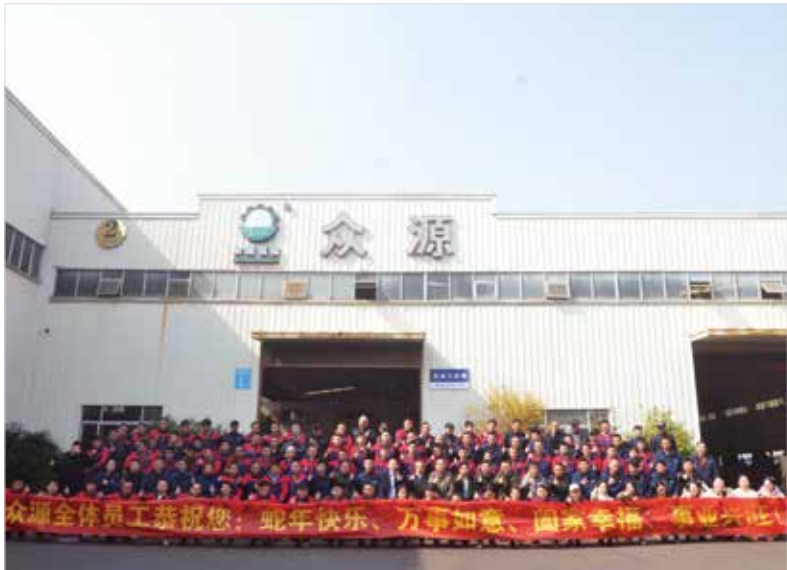
众为本，创民族品牌；源于心，造世界精品。众源坚持围绕用户核心需求开展创新工作，积极探索新技术、新工艺、新材料的应用，为全球用户提供更全面、专业的技术支持和售后服务。

Zhongyuan Machinery is an integrative enterprise, which is specialized in researching, developing, manufacturing and selling of “ZHONGYUAN” and “STONEWIN” brands quarrying equipments and tools, is state High-tech Enterprise. The company has two R&D centers and manufacturing bases for wire saw machine and diamond wire saw. It owns an outstanding and professional team for technical R&D, marketing and services; and the company has accumulated nearly hundred of related technology patents.

The company's main products include: multi- wire saw machine for industrial producing of slabs from granite and marble blocks, wire saw machine for stone quarrying, horizontal coring drills, DTH drilling machine, diamond wire saw, etc. The products are being widely used in the field of stone quarrying and processing all over the world.

We insists on carrying out innovative work around the core needs of users, actively exploring the application of new technologies, processes, and materials, and providing more comprehensive and professional technical support and after-sales service for users at home and abroad.





多组绳锯机 (一)
MULTI-WIRE SAW MACHINE (1)

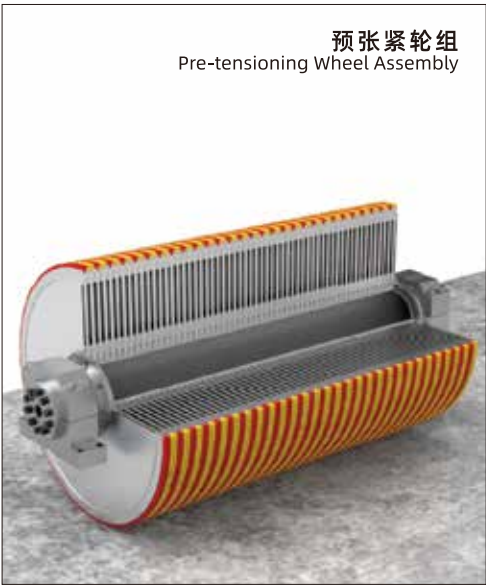


技术参数 TECHNICALPAMAMETERS	ZY-MW42	ZY-MW58	ZY-MW64	ZY-MW72	ZY-MW76	ZY-MW80	ZY-MW82	ZY-MW86
最大切割长度 MAX.CUTTING LENGTH	3500mm	3500mm	3500mm	3500mm	3500mm	3500mm	3500mm	3500mm
最大切割高度 MAX.CUTTING HEIGHT	2200mm	2200mm	2200mm	2200mm	2200mm	2200mm	2200mm	2200mm
18mm板出板数 18mm THICKNESS SLAB QUANTITY	/	/	/	/	/	79	81	85
20mm板出板数 20mm THICKNESS SLAB QUANTITY	41	57	63	71	75	79	/	/
30mm板出板数 30mm THICKNESS SLAB QUANTITY	31	43	47	53	56	/	/	/
金刚石绳长度 DIAMOND WIRE LENGTH	24000mm	24000mm	24000mm	24000mm	24000mm	24000mm	24000mm	24000mm
线速度 WIRES SPEED	0-35m/s	0-35m/s	0-35m/s	0-35m/s	0-35m/s	0-35m/s	0-35m/s	0-35m/s
主电机功率 MAIN MOTOR POWER	160kw/200kw	180kw/220kw	200kw/250kw	220kw/280kw	250kw/315kw	250kw/315kw	250kw/315kw	280kw/355kw
冷却水量 COOLING WATER	1450L/min	1800L/min	2000L/min	2300L/min	2400L/min	2555L/min	2600L/min	2750L/min
机器长度 (L) MACHINE LENGTH (L)	12945mm	12945mm	12945mm	12945mm	12945mm	12945mm	12945mm	12945mm
机器高度 (H) MACHINE HEIGHT(H)	6180mm	6180mm	6180mm	6180mm	6180mm	6180mm	6180mm	6180mm
机器宽度 (W) MACHINE WIDTH(W)	4120mm	4740mm	4740mm	5060mm	5060mm	5060mm	5060mm	5060mm
机器重量 APPROXIMATEL NET WEIGHT	45T	60T	61T	65T	66T	68T	70T	72T

轮系结构展示
The System of Wheels



主动轮
Driving Wheel



预张紧轮组
Pre-tensioning Wheel Assembly



张紧轮组
Tensioning Wheel Assembly



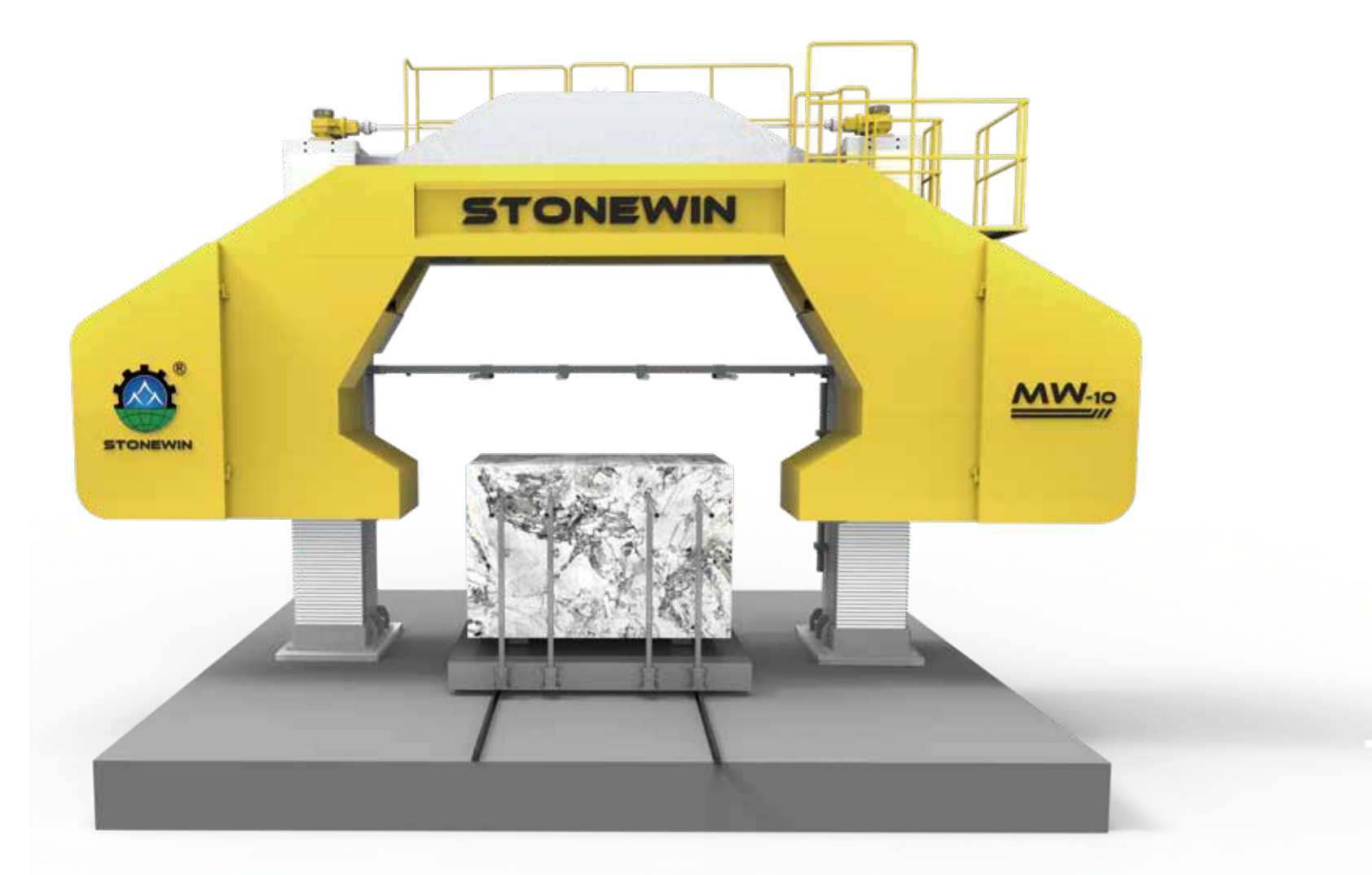
主动轮
Driving Wheel
Φ2200mm

导向轮
Guide Wheel

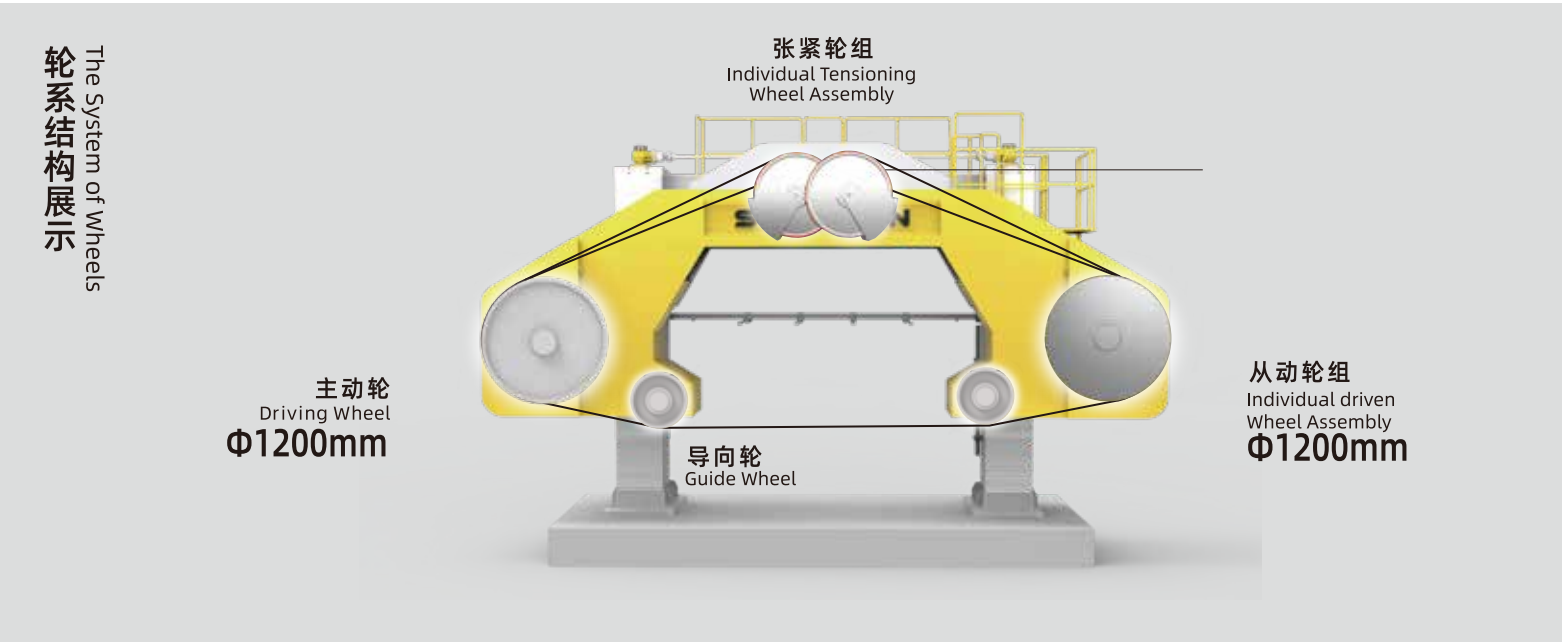
预张紧轮组
Pre-tensioning
Wheel Assembly

张紧轮组
Individual Tensioning
Wheel Assembly

多组绳锯机 (二)
MULTI-WIRE SAW MACHINE (2)



技术参 /TECHNICAL DATA	ZY-MW5	ZY-MW10	ZY-MW16	ZY-MW20
最大切割长 MAX.CUTTING LENGTH	3500mm	3500mm	3500mm	3500mm
最大切割高 MAX.CUTTING HEIGHT	2200mm	2200mm	2200mm	2200mm
20mm板最大出板 20mm THICKNESS SLAB QUANTITY	4	9	15	19
30mm板最大出板 30mm THICKNESS SLAB QUANTITY	2	5	10	13
金刚石绳长 DIA- WIRE LENGTH	20000mm	20000mm	20000mm	20000mm
线速 WIRES SPEED	0-35m/s	0-35m/s	0-35m/s	0-35m/s
主电机功 MAIN MOTOR POWER	37kw	55kw	75KW	95kw
冷却水 COOLING WATER	150L/min	250L/min	350L/min	500L/min
机器长 (L) MACHINE LENGTH (L)	9616mm	9616mm	9616mm	9616mm
机器高 (H) MACHINE HEIGHT(H)	5330mm	5330mm	5330mm	5330mm
机器宽 (W) MACHINE WIDTH(W)	1600mm	1745mm	1920mm	2036mm
机器重 APPROXIMA- NET WEIGHT	15T	20T	25T	30T



多组绳锯机（三）

MULTI-WIRE SAW MACHINE（3）



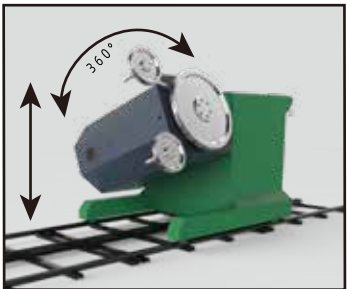
技术参数 TECHNICAL DATA	ZY-SMW10
最大切割长度 MAX.CUTTING LENGTH	3500mm
最大切割高度 MAX.CUTTING HEIGHT	2100mm
2-10CM出板数 CUTTING SLAB QUANTITY	9
金刚石绳长度 DIAMOND WIRE LENGTH	17.1m
线速度 WIRES SPEED	0-35m/s
主电机功率 MAIN MOTOR POWER	55kw
冷却水量 COOLING WATER	400L/min
机器长度（L） MACHINE LENGTH（L）	8400mm
机器最大高度（H） MAX.MACHINE HEIGHT(H)	7450mm
机器宽度（W） MACHINE WIDTH(W)	3600
机器重量 APPROXIMATELY WEIGHT	30T



轨道式永磁绳锯机

RAIL / TRACK TYPE WIRE SAW MACHINE

产品型号 MODEL	ZY-60YM-12P	ZY-70YG-12P	ZY-76YG-12P
切割对象 CUTTING OBJECT	大理石 MARBLE	花岗岩 GRANITE	
总功率 TOTAL POWER	64KW	74KW	88KW
主电机功率 MAIN MOTOR POWER	60KW	70KW	83KW
主飞轮直径 FLYWHEEL DIAME-	φ800mm		
绳锯线速度 WIRE SAW SPEED	0-40m/s		
旋转角度（电动） ROTATION ANGLE(ELECTRIC)	360°		
主机行走速度 WALKING SPEED OF MACHINE	0-140m/h		
导轨长度 RAIL LENGTH	2m*3+1m		
使用许可温度 ALLOWED WORKING TEMPERA-	-15~+40°C		
外形尺寸：长*宽*高 DIMENSION:L*W*H	2320*1460*1450 mm	2500*1600*1530 mm	2550*1680*1570 mm
整机重量 NET WEIGHT	3T	3.5T	3.7T



360°旋转与升降
360 ° rotation&lifting



搭载高亮LED大灯
with led headlights



高效增产，提高产出比

Efficiently increasing production and increasing output ratio

产品选用一级能效永磁电机，电能转化率可达99%，开采效率提高30%，能耗下降约10%，从而增加产量，提高矿山总体利润。

The product uses a first-class energy efficiency permanent magnet motor, with an electric energy conversion rate of up to 99%, a 30% increase in mining efficiency, and a decrease in energy consumption of about 10%, thereby increasing production and improving the overall profit of the mine.

两种操作模式，使用灵活

Two operating modes, flexible to use

绳锯机操作台配备两种操作模式：触摸屏操作模式、物理按键操作模式，用户可根据实际情况灵活使用。

The wire saw machine operation console is equipped with two operating modes: touch screen operation mode and physical button operation mode, which users can flexibly use according to actual situations.



搭载物联网，实现远程操控

Equipped with the Internet of Things, achieving remote control

产品搭载物联网系统，能够实时通过电脑端、手机端远程了解设备切割数据，并方便远程异地售后。

The product is equipped with an Internet of Things system, which allows for real-time remote understanding of device cutting data through computer and mobile devices, and facilitates remote remote after-sales service.

自适应式控制系统，运行稳定

Adaptive control system, stable operation

在近20年的石材矿山实践经验调教下，众源自研的控制系统运行稳定，能自适应不同品种的石材切割。与同功率绳锯机相比，其切割效率可提高10%以上。

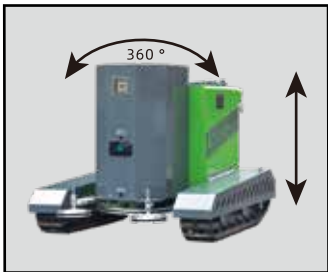
With nearly 20 years of practical experience in stone mining, Zhongyuan Research's control system operates stably and can adapt to different types of stone cutting. Compared with the same power rope saw machine, its cutting efficiency can be improved by more than 10%.



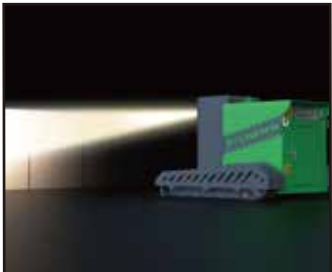
履带式永磁绳锯机

CRAWLER TYPE WIRE SAW MACHINE

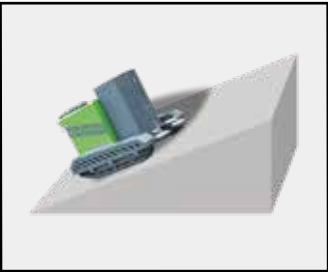
产品型号 MODEL	ZY-76LD-12P
总功率 TOTAL POWER	88KW
主电机功率 MAIN MOTOR POWER	83KW
主飞轮直径 FLYWHEEL DIAMETER	φ800mm
绳锯线速度 WIRE SAW SPEED	0-40m/s
最大爬坡角度 MAXIMUM CLIMBING ANGLE	±15°
旋转角度（电动） ROTATION ANGLE(ELECTRIC)	360°
主机行走速度 WALKING SPEED OF MACHINE	0-150m/h
使用许可温度 ALLOWED WORKING TEMPERATURE	-15~+40℃
外形尺寸：长*宽*高 DIMENSION:L*W*H	2550*1950*1570mm
整机重量 NET WEIGHT	4T



360°旋转与升降
360 ° rotation&lifting



搭载高亮LED大灯
with led headlights



自行走转场，不挑地形
Take turns on your own
without choosing the terrain



强抓地力工程专用履带
Special Track
For Strong Grip Engineering



无线遥控，操作简便

Wireless remote control, easy to operate

产品采用无线遥控操作，使用简单便捷、移动灵活，可实现有效遥控距离达150m。

The product adopts wireless remote control operation, which is simple and convenient to use, flexible to move, and can achieve an effective remote control distance of up to 150m.

搭载物联网,实现远程操控

Equipped with the Internet of Things Implement remote control

产品搭载物联网系统，能够实时通过电脑端、手机端远程了解设备切割数据，并方便远程异地售后。

The product is equipped with an Internet of Things system, which allows for real-time remote understanding of device cutting data through computer and mobile devices, and facilitates remote remote after-sales service.

自动修正，不偏移

Automatic correction without offset

众源新一代履带绳锯机的自动修正功能，使设备在切割时能始终处于初始设定的切割方向。

The automatic correction function of Zhongyuan's new generation crawler wire saw ensures that the equipment can always be in the initial set cutting direction during cutting.

无轨自行走，免吊装

Trackless self walking no lifting required

履带绳锯机具备自行走与爬坡功能，免除了转场时吊装和轨道铺设的步骤，使用方便、灵活。

The crawler rope saw machine has the function of self-propelled walking and climbing, eliminating the steps of lifting and track laying during transfer, making it convenient and flexible to use.

行走稳定，不打滑

Stable walking without slipping

履带绳锯机配置挖机同款行星驱动减速机，行走稳定、精度高。

The crawler rope saw machine is equipped with a planetary drive reducer of the same model as the excavator, which ensures stable walking and high accuracy.

高效增产,提高产出比

Efficient production increase Improve output ratio

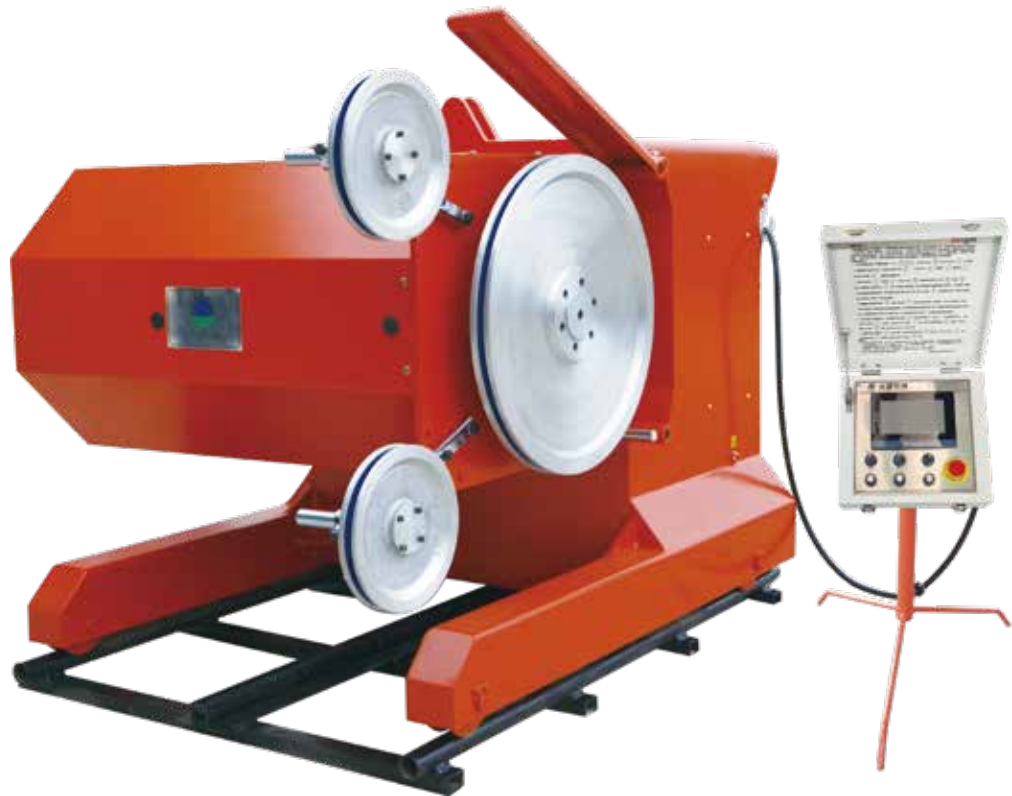
在同等开采成本下，履带绳锯机能够节省更多时间，有效增加产量，提高矿山总体利润。

At the same mining cost, the crawler wire saw can save more time, effectively increase production, and improve the overall profit of the mine.



石材矿山开采绳锯机

WIRE SAW MACHINE FOR STONE QUARRYING



产品型号 MODEL	ZY-45G-6P	ZY-55G-6P	ZY-75G-6P	ZY-45G-8P	ZY-55G-8P	ZY-75G-8P
总功率 TOTAL POWER	49KW	59KW	79KW	49KW	59KW	79KW
主电机功率 MAIN MOTOR POWER	45KW-6P (60HP-6P)	55KW-6P (75HP-6P)	75KW-6P (100HP-6P)	45KW-8P (60HP-8P)	55KW-8P (75HP-8P)	75KW-8P (100HP-8P)
主飞轮直径 FLYWHEEL DIAMETER	φ800mm			φ800mm		
绳锯线速度 WIRE SAW SPEED	0~40m/s			0~33m/s		
最大切割间距 MAX.LATERAL CUTTING DISTANCE	1700mm	1700mm	1900mm	1700mm	1900mm	2050mm
旋转角度（电动） ROTATION ANGLE(ELECTRIC)	360°			360°		
主机行走速度 WALKING SPEED OF MACHINE	0-140m/h			0-140m/h		
导轨长度 RAIL LENGTH	2m*3+1m			2m*3+1m		
使用许可温度 ALLOWED WORKING TEMPERATURE	-15~~+40℃			-15~~+40℃		
外形尺寸：长*宽*高 DIMENSION:L*W*H	2320*1460*1450 mm	2350*1460*1450 mm	2500*1600*1530 mm	2350*1460*1450 mm	2500*1600*1530 mm	2550*1680*1570 mm
整机重量 NET WEIGHT	2.8T	3.0T	3.5T	3.0T	3.5T	4.3T

移动分料机

PROFILING WIRE SAW MACHINE



产品型号 MODEL	ZY-15G-4P	ZY-18.5G-4P	ZY-22G-4P
主电机功率 MAIN MOTOR POWER	15KW-4P (20HP-4P)	18.5KW-4P (25HP-4P)	22KW-4P (30HP-4P)
主飞轮直径 FLYWHEEL DIAMETER	φ550mm	φ550mm	φ550mm
绳锯线速度 WIRE SAW SPEED	0~40m/s	0~40m/s	0~40m/s
绳锯最大长度 MAX.WIRE SAW LENGTH	10~30m	10~35m	10~40m
行走电机功率 WALKING MOTOR POWER	0.75KW (1HP)	0.75KW (1HP)	0.75KW (1HP)
主机行走速度 WALKING SPEED OF MACHINE	0~45m/h	0~45m/h	0~45m/h
使用许可温度 ALLOWED WORKING TEMPERATURE	-15~ +40℃	-15~ +40℃	-15~ +40℃
外形尺寸：长*宽*高 DIMENSION:L*W*H	4200*1000*1100mm	4200*1000*1100mm	4200*1000*1100mm
整机重量 NET WEIGHT	0.6T	0.7T	0.8T

功能特点

Functions And Features

- 1.采用双变频器进行控制，应用恒张力控制原理，能根据切削力大小的变化自动调节行走速度，使串珠绳始终处于最佳的切割状态。
- 2.电控箱独立布置，维修保养极为方便。
- 3.操作台实时显示主机的设定电流、主机电流、主机转速等参数,操作调整更加简便。
- 4.设备具有手动、自动控制的切换功能，在自动运行时完全实现无人操作，一人可操作多台设备。

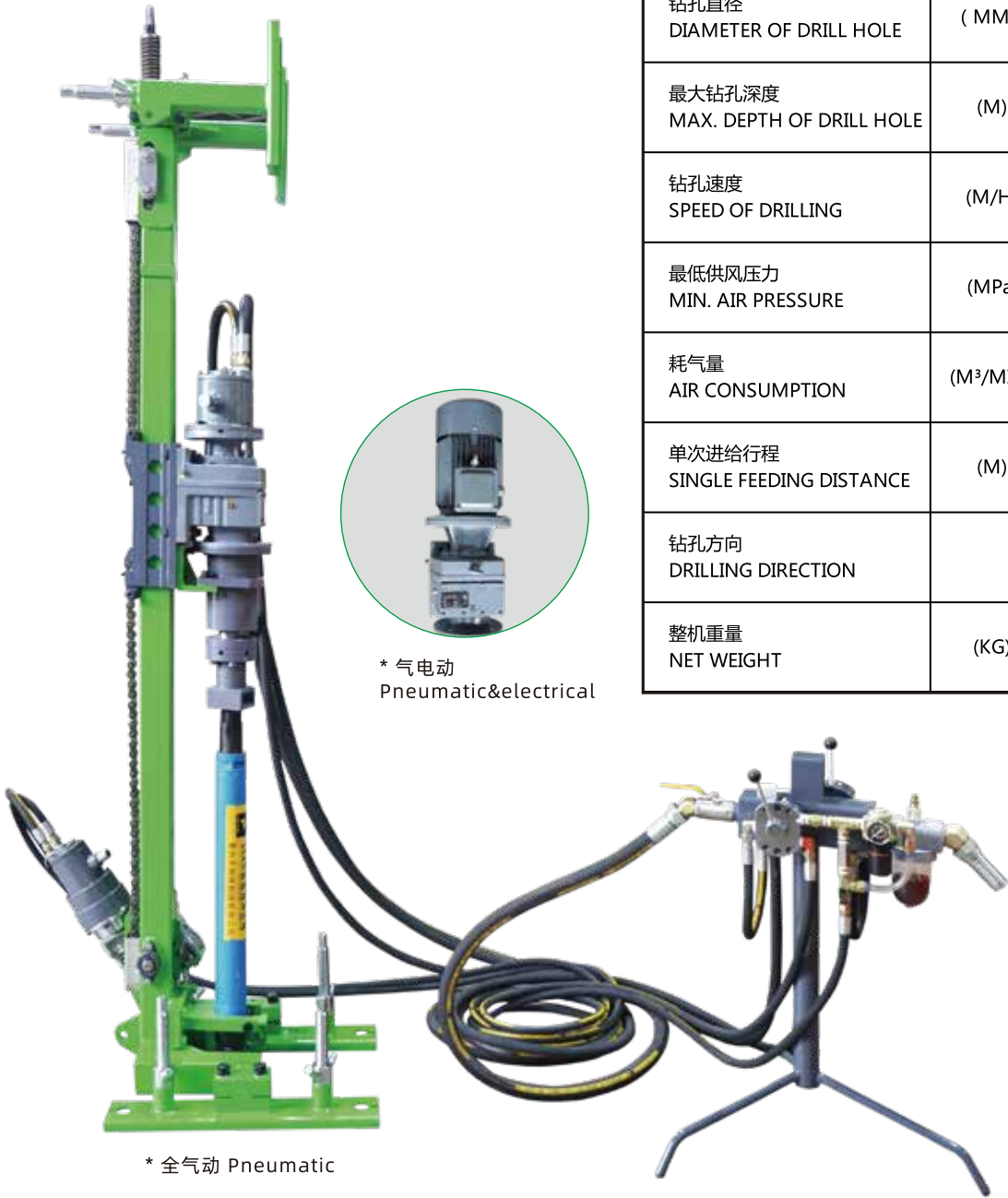
- 1.Being controlled by two sets of inverters and applying constant tension control principle,the moving speed of the machine can be adjusted automatically according to the changes of the cutting force to enable the diamond wire be in the best cutting condition all the time.
- 2.The electric cabinet is placed separately.It is easy for maintenance.
- 3.The real-time parameters are displayed on the control platform,such as the set current of the main motor,the current and the rotation speed of the main motor,etc.It makes the operation and adjustment of the machine more convenient.
- 4.The machine can be operated manually and automatically.The manual and automatic functions can be shifted from each other.Under the automatic function,the machine can be unattended operated,and one worker is able to operate multiple machines.

潜孔钻
DTH DRILLING MACHINE

产品型号 MODEL	单位 UNIT	ZY-100DTH-P	ZY-100DTH-PE
驱动系统 DRIVING SYSTEM	KW	3.0KW AIR MOTOR 1.5KW AIR MOTOR	3.0KW ELECTRIC MOTOR 1.5KW AIR MOTOR
钻孔直径 DIAMETER OF DRILL HOLE	(MM)	90	90
最大钻孔深度 MAX. DEPTH OF DRILL HOLE	(M)	30	30
钻孔速度 SPEED OF DRILLING	(M/H)	6-8	6-8
最低供风压力 MIN. AIR PRESSURE	(MPa)	0.6-0.7	0.6-0.7
耗气量 AIR CONSUMPTION	(M³/MIN)	8-10	7-9
单次进给行程 SINGLE FEEDING DISTANCE	(M)	1	1
钻孔方向 DRILLING DIRECTION		任意角度 AND DIRECTION	任意角度 AND DIRECTION
整机重量 NET WEIGHT	(KG)	600	700



* 气电动
Pneumatic&electrical



* 全气动 Pneumatic

自动水平取芯钻
AUTOMATIC HORIZONTAL CORING DRILL

产品型号MODEL	单位UNIT	ZY-75HD-A
主电机功率 MAIN MOTOR POWER	KW	15KW-6P
钻孔直径 DIAMETER OF DRILL HOLE	(MM)	φ75
最大钻孔深度 MAX.DEPTH OF DRILL HOLE	(M)	30
钻孔速度 SPEED OF DRILLING	(M/H)	3-5
最低供水压力 MIN.WATER-SUPPLY PRESSURE	(MPa)	0.1
单次进给行程 SINGLE FEEDING DISTANCE	(M)	1.5
推进机构 POWER FEEDING DEVICE		双变频器无级调速 Stepless speed controlled by 2 inverters
钻孔方向 DRILLING DIRECTION		水平 Horizontal
整机重量 NET WEIGHT	(KG)	1000



大板切割多组金刚石绳锯

MULTIWIRE SAW FOR BLOCKS CUTTING

功能特点 Functions And Features

本产品广泛应用于各类花岗岩或大理石石材的加工，具有切割效率高，切缝小，加工尺寸精准等特点。

This product is mainly used for cutting blocks into slabs.It has the following advantages:cutting with high efficiency,small cutting gab,and accurate dimension.

产品编 IDENTIFICATION	规格(mm) SPECIFICATION	串珠 /米 BEADS/METER	固定 COATING
ZG05	φ4.3	37	塑料 PLASTIC
ZG05	φ5.3	37	塑料 PLASTIC
ZG06	φ6.3	37	塑料 PLASTIC
ZG07	φ7.3	37	塑料 PLASTIC





矿山开采金刚石绳锯

DIAMOND WIRE SAW FOR STONE QUARRYING

功能特点 Functions And Features

本产品广泛应用于各类花岗岩矿山开采，也可应用于花岗岩矿山荒料整形,具有切割效率高，污染小，成材率高,性价比高等特点。

This diamond wire saw is widely used in all kinds of granite quarrying, and can also be use for granite blocks squaring.The product has the following advantages: high efficiency,low pollution, high productivity and high cost effective.

产品编号 IDENTIFICATION	规格(mm) SPECIFICATION	串珠数/米 BEADS/METER	固定 COATING
ZM12	φ11.5	32/36/38/40	橡胶+弹簧 RUBBER+SPRING
ZM12	φ11.5	28/30/32	弹簧 SPRING
ZG12	φ11.5	38/40	橡胶 RUBBER
ZG13	φ12.0	38/40	橡胶 RUBBER
ZC12	φ11.5	40	橡胶+弹簧 RUBBER+SPRING
ZC10	φ10.5	40	橡胶+弹簧 RUBBER+SPRING

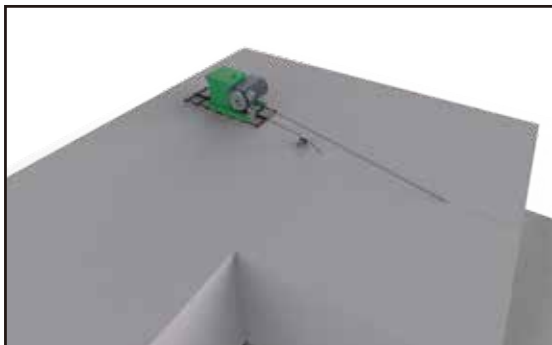
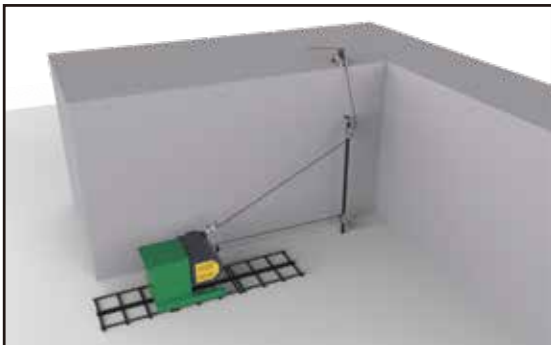


开采示意图

QUARRYING DRAWING

轨道式绳锯机

Rail / Track Type
Wire Saw Machine



履带式绳锯机

Crawler Type
Wire Saw Machine

