

HARBIN QIAN FAN XI FENG MACHINERY CO.LTD

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1. GS3500 Block cutter: (荒料切割机)

For marble: (切割大理石)



MODEL GS-3500 TWO-WAY CUTTING MACHINE

FOB QINGDAO USD 45000/SET. The price include

1pcs 450mm blade ,1pcs 1200mm blade and 1pcs1650mm blade .

linear guider need to be bought seperately. Customer can also buy them locally.

If you want to buy from us, the price is as follows:

1. Vertical blade: 900mm: USD 245/PCS, 1200MM :385/PCS, 1650MM: 585/PCS
2. Horizontal blade: 450mm: USD 110/pcs, 400mm: USD 100/pcs
3. Linear guider: GS3500 need two linear guiders, 43KG/M, the length is depend on customer's demand, the price is USD 40/m.

This machine is the main machine for marble slab production line which can cut out the stone blocks to slabs with certain thickness. Using diamond disk blade, it is automatically controlled by programmable control system and hydraulic transmission, featuring reliable performance and high cutting efficiency.

The efficiency is 120CBM per 8 hours

Technial parameter:	Overall dimensions (L×W×H)7100×5500×5160m
Max. size of block (L×W×H) 3300×2200×2300mm	Main motor power 90kw
Thickness of slab 8~80mm	Motor power for hoizontal cutting 11kw
Width of slabs 600mm	Motor power for oil pump 5.5kw
Dia. of vertical blade Φ900~Φ1650mm	Moving motor of vetical cutting 1.5kw
Dia.of horizontal blade Φ400~Φ650mm	Elevation motor of bridge stand 3kw
Cutting speed 0~8000mm	Motor of block delivery trolley truck 2.2kw
Elevating speed of bridge stand 180mm/min	Total power 117kw
Size of truck(L×W) 2500×2100mm	Total weight about 18000kg



2. Q600 stone slab automatic cutting machine



MODEL Q600 AUTOMATIC CUTTING MACHINE

Price: FOB QINGDAO USD 4984/set if you buy it together with GS3500. if buy it only, the price is **FOB QINGDAO USD 5984/SET**. The price don't include the saw blade price. If you need saw blade, our price is USD 50/PCS for 400mm saw blade.

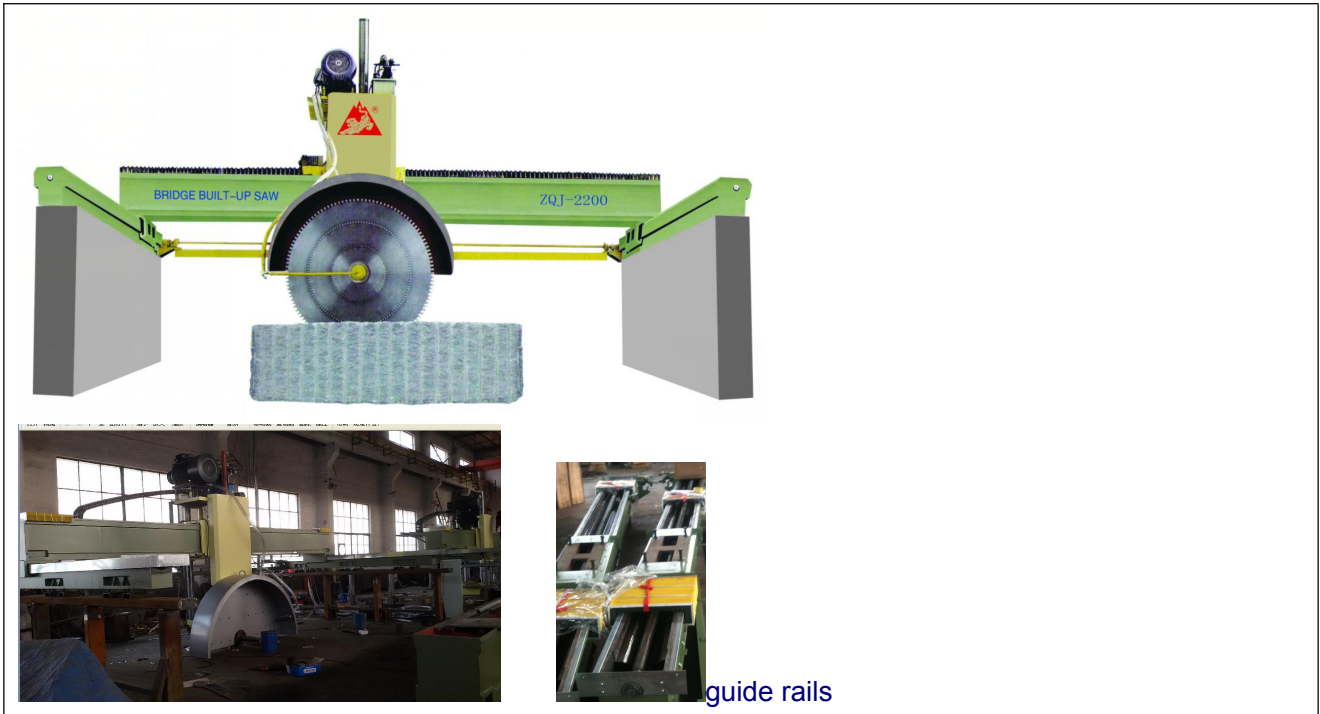
This machine is used to cut boards of marble and granite into a certain size.

Main technical parameter:		Cutting speed of cutting head	0~2000mm
Max. width of slab	600mm	Total power	11kw
Max. thickness of slab	200mm	Overall dimension (L×W×H)	3420×2180×1600mm
Blade diameter	Φ600mm	Weight	2000kg



3. ZQJ 2200 BRIDGE MIDEUM CUTTING MACHINE FOR BIG STONE BLOCKS, IT CAN BE WITH 2200MM SAW BLADE AND 1250MM SAW BLADE

For granite: (切割花岗岩)



MODEL ZQJ 2200 BRIDGE MIDEUM CUTTING MACHINE

Model ZQJ series bridge disc saw, fitted with diamond cutters and high-speed grinding technology, is suitable for cutting marble. It is also suitable for cutting tomb stone; road stone; stone slab and so on.

Max.diameter of blade	2200 mm	Main motor power	55kw
Transvers stroke for blade	3500mm	Elevation motor power	4kw
Elevation stroke for blade	1300mm	Feeding motor power	3kw
Effect cutting depth for blade	950mm	Block trolley truck power	2.2kw
Feeding speed for blade	0~12000mm	Installation size	7700*5230*6030mm
Total power	65.7(kw)	Weight	12000kg



Machine cost: FOB QINGDAO USD 23000/SET

2200mm blade cost: USD 2300/PCS

1250mm blade cost: USD 500/PCS



Workbench: USD3200



workbench of guide rails *USD40/m* (43kg/m)



Model ZQJ series bridge disc saw, fitted with diamond cutters and high-speed grinding technology, is suitable for cutting marble. It is also suitable for cutting tomb stone; road stone; stone slab and so on.

It has the following features:

Reasonable structure, low manufacture cost, stable working, high cut-off efficiency, flat and bright cut surface, high rate of finished products, no mechanical fragment, no rust pollution.

Wide application range: It is suitable for cutting marble slabs over 10mm in thickness.

Easy-to-operate and safe operation: Except block conveying truck, all the over parts are manual or automatic (according to customer decide). Feeding speed can be regulated according to different hardness of slabs to be processed, which not only guarantee safe operation, but also improve cut-off efficiency. With interlocking mechanism, the electrical system is safe and reliable.

With diamond cutting technology, it also features low grinding resistance; high cut-off efficiency, long life

of cutters and better cut surface finish.

This machine is composed with transverse beam assembly, left-right side beam assembly, elevation assembly, block trolley truck assembly, electric counter assembly and so on.

(I) Transverse beam assembly:

It is composed with transverse beam, sliding board, cross frame, feeding motor, tri-angle pulley, tri-angle belt, worm wheel reductor, gear, rack and so on.

Transverse beam is made of cast iron. Double ends of bottom is fixed on the left-right side-beam of sliding board. There is double V guide rails and sliding board on the upper. There is gear and rack in the middle. Moreover, there is protection guard on the guide rails to prevent dust. Cross frame is fixed on the sliding board. Motor, Worm-wheel reductor and Gear are installed on the right

end of it. Feeding motor through tri-angle pulley, tri-angle belt, worm wheel reductor drives gear to mesh rack, which makes sliding board to reciprocate along the transverse beam. Therefore, realize blade to feed. The feed speed may be adjusted by inverter. Reciprocating stroke is controlled by rotary encoder.

(II) Left-right side-beam assembly:

It is composed with left-right side-beam; sliding board of side-beam; guide screw; screw nut; conical gear; worm-wheel reductor; transmission shaft and so on.

Bottom seats of left-right side-beam are fixed on their respective foundation. There are V type guide rails and left-right side-beam of sliding board. Install screw nut; guide screw on the sliding board.

Feeding motor (19) and cycloidal pin wheel reduction (18) drives gear shaft (8). Gear shaft (8) is engaged with gear racks on transverse beam (7), which enables feeding slide to reciprocate along the rails of transverse beam and hence the blade feeds. Feeding speed can be chosen at random within specified range. Electrical control includes manual and automatic. Conical gear meshes transmission shaft on the end of guide screw. Bust motor drives worm wheel reductor and transmission shaft to conical gear, guide screw. Which makes guide screw through rotation to drive screw nut; left-right side beam to move. Thus, to complete busting action. Bust specification is controlled by rotary encoder.

(III) Elevation parts assembly

It is mainly composed with cross-frame; found guide column; upper connection board; bottom connection board; elevation oil-cylinder; oil tank; main motor; tri-angle pulley; tri-angle belt; main shaft case and so on.

Four pieces of round guide columns are installed in the four pieces of guide sleeves. The upper ends of four pieces of guide columns are rigid connection with upper connection board. Bottom ends are rigid connection with bottom connection board. Which will form type of elevation frame. Main motor; oil cylinder, oil tank are installed on the upper connection board. Main shaft case is installed on the bottom connection board. Elevation oil-tank makes 4 pieces of guide columns to stably elevate along the guide sleeves, which will drive main shaft case to elevate, then realize blade to elevate. Main motor through tri-angle pulley, tri-angle belt, main shaft case drives main shaft to make blade rotating.

(IV) Block trolley truck:

It is composed of reductor box, shaft, block trolley truck disc, roller wheel and so on.

Motor drives block trolley truck. The block trolley truck disc adopts type steel and steel plate to weld. During transmitting block, start motor and drives reductor motor to make block trolley truck wheels to rotate along the guide rails, which will finish transmitting block.

(V) Electric counter

Refer to electric control operation





4. GSD-20/28 MULTI-BLADE TWO-WAY CUTTING MACHINE





MODEL GSD-20/28 MULTI-BLADE TWO-WAY CUTTING MACHINE

This machine is the main machine of granite slab production line which can cut out the stone blocks to slabs with certain thickness. Controlled by programmable fully-automatic system and executed by hydraulic transmission, this machine is an ideal equipment for processing granite, featuring reliable performance and high cutting efficiency.

GSD20	GSD28
Max. size of block (L×W×H) 3200×2000×2000mm	Max. size of block (L×W×H) 3200×2000×2000mm
Min. thickness of slab 8mm	Min. thickness of slab 8mm
Cutting speed 0~6000mm/min	Cutting speed 0~6000mm/min
Elevating speed of bridge stand 180mm/min	Elevating speed of bridge stand 180mm/min
Dia. of vertical cutting blade Φ900~Φ1300mm	Dia. of vertical cutting blade Φ1300~Φ1600mm
Dia. of horizontal cutting blade Φ400~Φ450mm	Dia. of horizontal cutting blade Φ400~Φ450mm
block delivery trolley truck(L×W) 2500×2100mm	block delivery trolley truck(L×W) 3100×2150mm
Overall dimensions (L×W×H)7100×5500×5160mm	Overall dimensions 7900×6300×6300mm
Total power 92kw	Total power 107kw
Total weight about 18000kg	Total weight about 23500kg

5. ZQJ900/1200 CUTTING MACHINE BRIDGE MEDIUM CUTTING MACHINE FOR SMALL STONE BLOCKS.



This machine, fitted with diamond cutters is suitable for cutting block into slab with certain thickness.

ZQJ900

Blade diameter 400~900mm
 Block specification 3200*3200*320mm
 Max.elevation stroke 650mm
 Main motor power 22kw
 Overall size for machine 6450*4800*4500mm
 Rotating degree for work-bench 0-360degree
 Total weight about 6500kgs
 Max.depth to cut 320mm

ZQJ1200

Blade diameter 900~1300mm
 Block specification 3200*3200*530mm
 Max.elevation stroke 750mm
 Main motor power 22kw
 Overall size for machine 6450*4800*4500mm
 Rotating degree for work-bench 0-360degree
 Total weight about 6500kgs
 Max.depth 530mm

ZQJ 900 Machine cost: FOB QINGDAO USD18500/set

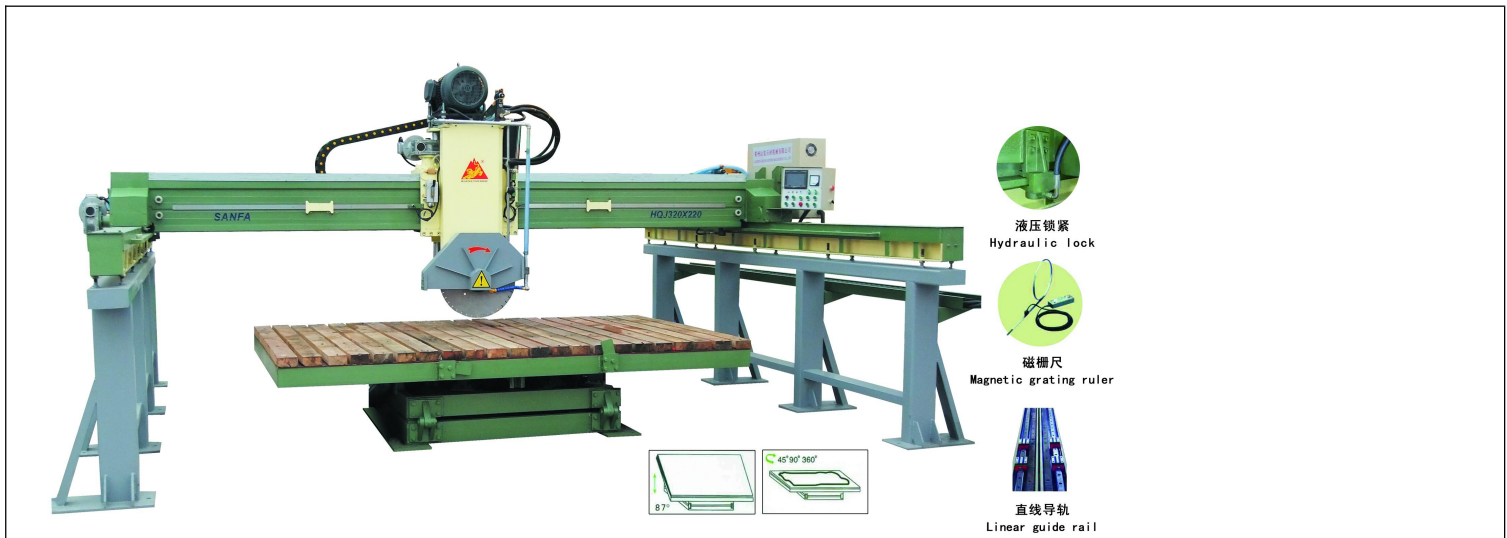
ZQJ 1200 machine cost: FOB QINGDAO USD19000/set

900mmblade:USD300/piece

1200mm blade: USD425/piece



6. HQJ320 × 200 model infrared bridge automatic cutting machine with 4-column for cutting stone sheet



HQJ320 × 200 model infrared bridge automatic cutting machine with 4-column for cutting stone sheet

It adopts PLC control and automatic positioning techniques for various moves of the cutter frame & linear rolling guide driving, magnetic ruling, laser device setting. It consists of high quality steel. The platform can be 360-degree rotatable and automatically turn slate up. It can cut sizeable slabs with high precision and efficiency.

Technical parameters:

1·max.blade of diameter	φ400-600mm
2·max.stroke for transverse	3800mm
3·max.stroke for longitudinal	3800mm
4.elevation stroke for main shaft of blade	430mm
5·max.titling degree for work-bench	87°
6·max.rotation degree for work-bench	360°

7.location degree for work-bench	0° - 45° - 90°	8·power of main motor	18.5kw
9·total power of machine	23.5kw	10·water consumption	2m ³ /h
11.water pressure	>0.2 Mpa	12.overall size for machine	4800×5816×2350mm
13·total weight for machine	5800kg		

**Machine cost: FOB QINGDAO USD 15000/SET
(concrete base)**

FOB QINGDAO USD 16200 (steel base)

600mm blade cost: USD 100/PCS

400mm blade cost: USD 40/PCS



7. Slab grinding machine, can do 9 heads,12 heads,16 heads,20 heads,and other heads quantity can do special




It is suitable for grinding and polishing slab.It is with logical construction;reliable performance;highly efficiency running.Control system is advanced, which adopts PLC control and with text display,which realizes intelligent control.

It has the following features:

- 1.This machine is with pitch grinding disc bush which is with long life; lower failure rate; higher efficiency,lower abrasive exhaustion rate,lower slab broken rate.
- 2.It uses transmission belt with the same thickness to confirm slab with the same thickness.
- 3.The moving speed of the transmission belt and penulation speed of transverse-beam can be adjusted by transducer.
- 4.This machine is with lower exhaustion power,lower cost;higher grinding and polishing efficiency;easy operation;maintenance simple.

ZDM100-6HEAD		ZDM100-9HEAD	
Processing width	300-1000mm	Processing width	300-1000mm
Processing thickness	10-60mm	Processing thickness	10-60mm
Grinding head quantity	6pieces	Grinding head quantity	9pieces
Total power	50.2kw	Total power	72.7kw
Grinding head motor power	6*7.5KW	Grinding head motor power	9*7.5KW

Transmission-belt motor power	2.2kw	Transmission-belt motor power	2.2kw
Transverse-beam pendulation motor	3kw	Transverse-beam pendulation motor	3kw
Transmission-speed for belt	0-2200mm/min	Transmission-speed for belt	0-2200mm/min
Compressor provide pressure	0.60-0.8Mpa	Compressor provide pressure	0.60-0.8Mpa
Cooling water pressure	≥0.15Mpa	Cooling water pressure	≥0.15Mpa
Water consumption of single-head	≥25L/min	Water consumption of single-head	≥25L/min
Total weight	4900kgs	Total weight	5400kgs
Installation size	3770*2430*2360mm	Installation size	5150*2430*2360mm
For marble		For marble	
 		 	
Machine cost: FOB QINGDAO USD 28947/SET		Machine cost: FOB QINGDAO USD 30497/SET	
Abrasive cost: USD0.25/square meter (for marble)		Abrasive cost: USD0.25/square meter (for marble)	



ZDM100 12-head automatic grinder



loading frame and unloading frame by hand (2 pieces)

It is suitable for grinding and polishing slab. It is with logical construction; reliable performance; highly efficiency running. Control system is advanced, which adopts PLC control and with text display, which realizes intelligent control.

It has the following features:

1. This machine is with pitch grinding disc bush which is with long life; lower failure rate; higher efficiency, lower abrasive exhaustion rate, lower slab broken rate.
2. It uses transmission belt with the same thickness to confirm slab with the same thickness.
3. The moving speed of the transmission belt and penulation speed of transverse-beam can be adjusted by transducer.
4. This machine is with lower exhaustion power, lower cost; higher grinding and polishing efficiency; easy operation; maintenance simple.

Processing width	300-1000mm	Compressor provide pressure	0.60-0.8Mpa
Processing thickness	10-40mm	Cooling water pressure	≥0.15Mpa

Grinding head quantity	12pieces	Water consumption of single-head	≥25L/min
Grinding head motor power	12*7.5kw	Total weight	10000kgs
Transmission-speed for belt	0-1600mm/min	Installation size	7200*2060*2560mm

Machine cost: FOB QINGDAO USD 32049/SET



For marble

Abrasive cost: USD0.25/square meter

OTHERS:



