



SOMEBETTER



### 长沙三必得超硬材料有限公司

CHANGSHA 3 BETTER ULTRA-HARD MATERIALS CO.LTD

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CHANGSHA 3 BETTER ULTRA-HARD MATERIALS CO.LTD



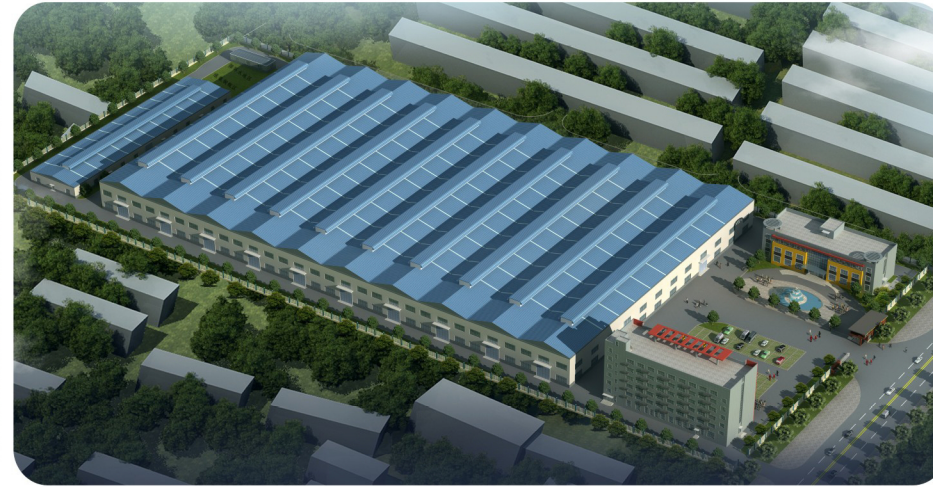


SOME BETTER

立人品 铸精品  
严管理 勇创新



Phase I factory view

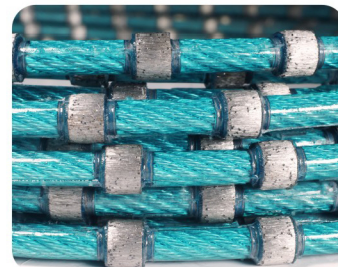


Phase II Planning drawing



## Company file:

Changsha 3 Better Ultra-hard Material Co., Ltd. was established in 2009. It is an enterprise specializing in the development, production, and sales of superhard materials. The company is registered in Changsha City, Hunan Province. More than 230 domestic suppliers have stable business relationship and have business contacts with major professional colleges and research institutions in the industry. Changsha 3 Better takes "better products, better prices, and better services" as its corporate mission; "creating value for customers; realizing employee self-worth and promoting industry technology updates" as its corporate vision, with "customers first "Employees second, double high culture" is the corporate purpose. We will take "integrity, professionalism, efficiency, unity" as our corporate values, elaborately provide each product, adhere to people-oriented, and strive to become an industry benchmark!



Diamond Wire-saws for multi-wire machines

Diamond Wire-saws for reinforced concrete

Diamond Wire-saws for granite quarries

Diamond Wire-saws for marble quarries

Diamond Wire-saws for granite block squaring and profiling

Diamond Wire-saws for marble block squaring and profiling

Segment

Diamond Fickert



## Diamond Wire-saws for multi-wire machines



### Advantages

Suitable for multi-wire machines to cut different kinds of granite and marble slab

### Specification and Technical Parameters of Diamond Beads

Specification ( mm )	Height of Work Layer( mm )	Manufacture Technique
Φ8.3	6.0	Hot Pressed Sintering
Φ7.3	7.0/7.5	
Φ6.3	7.0/7.5	

Other specification are available based upon requirements.



## Diamond Wire-saws for multi-wire machines

### Specification and Performance Parameters of Diamond Wire-saws

Identification	Specification( mm )	Beads/m	Reinforcement
408P37	Φ8.3	37	P
407P37	Φ7.3		
406P37	Φ6.3		

P represents Plastic      R represents Rubber      S represents Spring

Cutting Material	Line Speed( m/s )	Cutting Speed( m <sup>2</sup> /h )	Wire Life ( m <sup>2</sup> /m )
Low Rigidity Granite	28-32	1.2-1.5	10-15
Mid-hard Granite	28-32	0.6-1.2	8-10
Hard Granite	28-32	0.4-0.6	6-8





## Diamond Wire-saws for granite quarries



### Advantages

To be widely used for granite quarries,and for granite mine block squaring.

### Specification and Technical Parameters of Diamond Beads

Specification (mm)	Height of Work Layer( mm )	Manufacture Technique
Φ12.5	6.4	Hot Pressed Sintering
Φ11.5	6.4	

### Specification and Performance Parameters of Diamond Wire-saws

Identification	Specification(mm)	Beads/m	Reinforcement
413R40	Φ12.5	40	R/R+S
412R40	Φ11.5	40	R/R+S
412R38	Φ11.5	38	R/R+S

P represents Plastic      R represents Rubber      S represents Spring

Cutting Material	Line Speed (m/s)	Cutting Speed ( m <sup>2</sup> /h )	Wire Life ( m <sup>2</sup> /m )
Low Rigidity Granite	33-37	15-20	20-40
Mid-hard Granite	30-37	8-15	12-25
Hard Granite	28-33	4-8	8-15
Abrasive Granite	33-37	8-15	15-30

## Diamond Wire-saws for granite block squaring and profiling



### Advantages

To be widely used for granite block squaring, sizing and circular slabs, special shape surfaces processing etc.

### Specification and Technical Parameters of Diamond Beads

Specification (mm)	Height of Work Layer (mm)	Manufacture Technique
Φ11.5	6.4	Hot Pressed Sintering
Φ11.0	6.4	
Φ8.8	6.0	
Φ8.3	6.0	



### Specification and Performance Parameters of Diamond Wire-saws

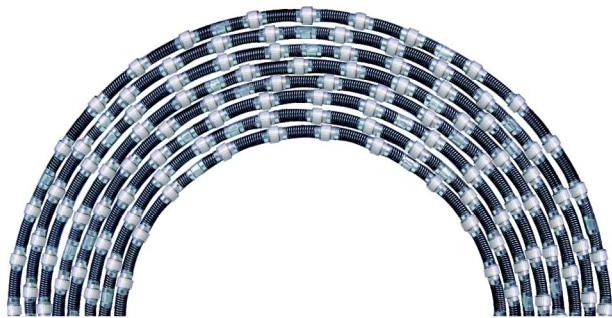
Identification	Specification	Beads/m	Reinforcement	Functiont
412P37	Φ11.5	37	P/P+S	Squaring
411P37	Φ11.0	37	P/P+S	Squaring
409P37	Φ8.8	37	P	Profiling
408P37	Φ8.3	37	P	Profiling

P represents Plastic      R represents Rubber      S represents Spring

Cutting Material	Line Speed (m/s)	Cutting Speed (m <sup>2</sup> /h)	Wire Life ( m <sup>2</sup> /m )
Low Rigidity Granite	24-28	1.2-1.8	15-25
Mid-hard Granite	22-26	0.8-1.2	10-20
Hard Granite	20-24	0.4-0.6	8-15
Abrasive Granite	24-28	0.6-0.8	15-25



### Diamond Wire-saws for marble quarries



#### Advantages

To be widely used for marble quarries, and for marble mine block squaring



#### Specification and Technical Parameters of Diamond Beads

Specification (mm)	Height of Work Layer(mm)	Manufacture Technique
Φ12.5	6.4	Hot Pressed Sintering
Φ11.5	6.4	

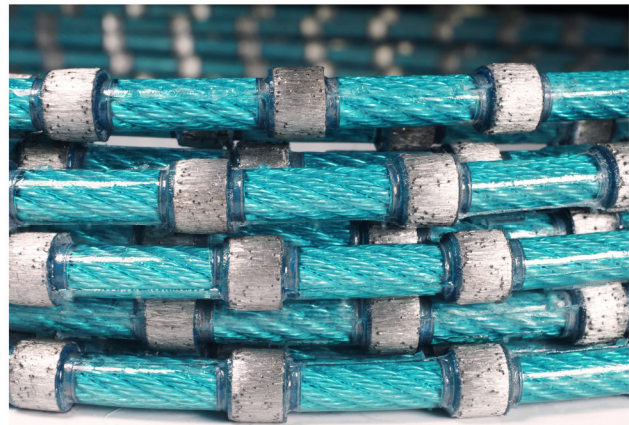
#### Specification and Performance Parameters of Diamond Wire-saws

Identification	Specification(mm)	Beads/m	Reinforcement
512R40	Φ11.5	40	R/ R+S
511R40	Φ11.0	40	R/ R+S
511S28	Φ11.0	28	S

P represents Plastic      R represents Rubber      S represents Spring

Cutting Material	Line Speed (m/s)	Cutting Speed ( m <sup>2</sup> /h )	Wire Life( m <sup>2</sup> /m )
Low Rigidity Granite	35-40	10-15	40-80
Mid-hard Granite	32-35	8-12	25-60
Hard Granite	30-35	6-10	20-30

### Diamond Wire-saws for marble block squaring and profiling



To be widely used for marble block squaring,sizing and circular slabs, special shape surfaces processing etc.

#### Specification and Performance Parameters of Diamond Wire-saws

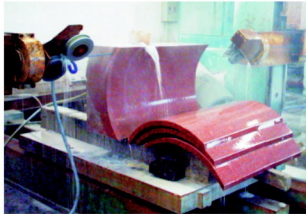
Identification	Specification(mm)	Beads/m	Reinforcement	Functiont
510P37	Φ10.5	37	P/P+S	Squaring
509P33	Φ8.8	33	P	Squaring
509P37	Φ8.8	37	P	Profiling
508P37	Φ8.3	37	P	Profiling

P represents Plastic      R represents Rubber      S represents Spring

#### Specification and Technical Parameters of Diamond Beads

Cutting Material	Line Speed (m/s)	Cutting Speed ( m <sup>2</sup> /h )	Wire Life ( m <sup>2</sup> /m )
Low Rigidity Granite	30-35	3-4	60-80
Mid-hard Granite	32-35	2-3	30-60
Hard Granite	28-32	1-2	20-30

Specification(mm)	Height of Work Layer(mm)	Manufacture Technique
Φ10.5	6.4	Hot Pressed Sintering
Φ8.8	6.0	
Φ8.3	6.0	





## Block Cutting Segment For Marble

### Advantages

Our sharp segments have a long service life, can smoothly cut stone with low noise and leave a very flat surface on the stone for which is easier to be polished. Mainly used for cutting marbles.



Diameter (mm)	Core Thickness (mm)	Segment Number	Segment size (mm)
Φ900	5.0	64	24×7.5×10(13)
Φ1000	5.0	70	24×7.5×10(13)
Φ1200	5.5	80	24×8.0×10(13)
Φ1400	6.0	92	24×8.5×10(13)
Φ1600	7.0	108	24×9.5×10(13)
Φ1800	7.5	120	24×10×10(13)
Φ2000	8.0	128	24×11×10(13)
Φ2200	8.0	132	24×11×10(13)
Φ2500	9.0	140	24×12.5×10(13)
Φ2700	9.0	140	24×12.5×10(13)
Φ3000	9.3	160	24×13×10(13)

## Multi-Blade Segment



### Advantages

Good sharpness, long life span, low- noise, smoother cutting.

## Multi-Blade Segment

Outer diameter (mm)	Tooth length (mm)	Height (mm)	Thickness (mm)	Segment Number
Φ27	24	8/10	3.7	3/4
Φ30	24	8/10	3.7	3/4
Φ32	24	8/10	3.7	4
Φ34	24	8/10	3.7	4
Φ36	24	8/10	3.7	4/5
Φ38	24	8/10	3.7	5
Φ40	24	8/10	3.7	5
Φ44	24	8/10	3.7	5
Φ46	24	8/10	3.7	4/5
Φ51	24	8/10	3.7	5/7
Φ56	24	8/10	3.7	5/7
Φ63	24	8/10	3.7	6
Φ66	24	8/10	3.7	6
Φ71	24	8/10	3.7	6
Φ76	24	8/10	3.7	7
Φ80	24	8/10	3.7	7
Φ83	24	8/10	3.7	7
Φ89	24	8/10	3.7	8
Φ96	24	8/10	3.9	8
Φ102	24	8/10	4.2	9
Φ108	24	8/10	4.2	9
Φ110	24	8/10	4.2	9
Φ112	24	8/10	4.2	9
Φ116	24	8/10	4.2	10
Φ120	24	8/10	4.2	10
Φ127	24	8/10	4.2	11
Φ132	24	8/10	4.2	11
Φ152	24	8/10	4.7	11
Φ160	24	8/10	4.7	12
Φ180	24	8/10	4.7	13
Φ200	24	8/10	4.7	15
Φ250	24	8/10	4.7	16
Φ254	24	8/10	4.7	16
Φ300	24	8/10	5	18
Φ350	24	8/10	5	20



## Multi-Blade Segment



### Advantages

Good sharpness, long life span, low- noise, smoother cutting, better cutting surface, easier polishing slabs.

Diameter (mm)	Core Thickness (mm)	Segment Number	Segment size (mm)
Φ1000	5	70	24×7.0/6.2×13(15,20)
Φ1200	5.5	80	24×7.4/6.6×13(15,20)
Φ1400	6.5	92	24×8.4/7.6×13(15,20)
Φ1600	7.2	108	24×9.2/8.4×13(15,20)

## Gang Saw Segment



### Advantages

Good sharpness, long life span, low- noise, smoother cutting, better cutting surface, easier polishing slabs.

Core Thickness (mm)	Segment Number	Segment size (mm)
5	25-32	20×4.6/4.0×8(10)
3.0	25-32	20×4.6/4.0×8(10)
3.5	25-32	20×5.4/4.8×8(10)

## Diamond Fickert



### Advantages

1. Electricity saving: its sharpness can reduce the stress of grinding head as well as reduce wearing of machine.
2. High efficiency: its super high sharpness can improve transmission speed of convey belt and increase productivity.
3. High glossiness: it can bring 10 degree more in stone glossiness. Also its homogenization can reduce the possibility of scratch on stone surface and glossiness instability.
4. High quality: high technology, computerized production equipment and strict quality control guarantees our high quality product supply and high cost efficiency ratio.

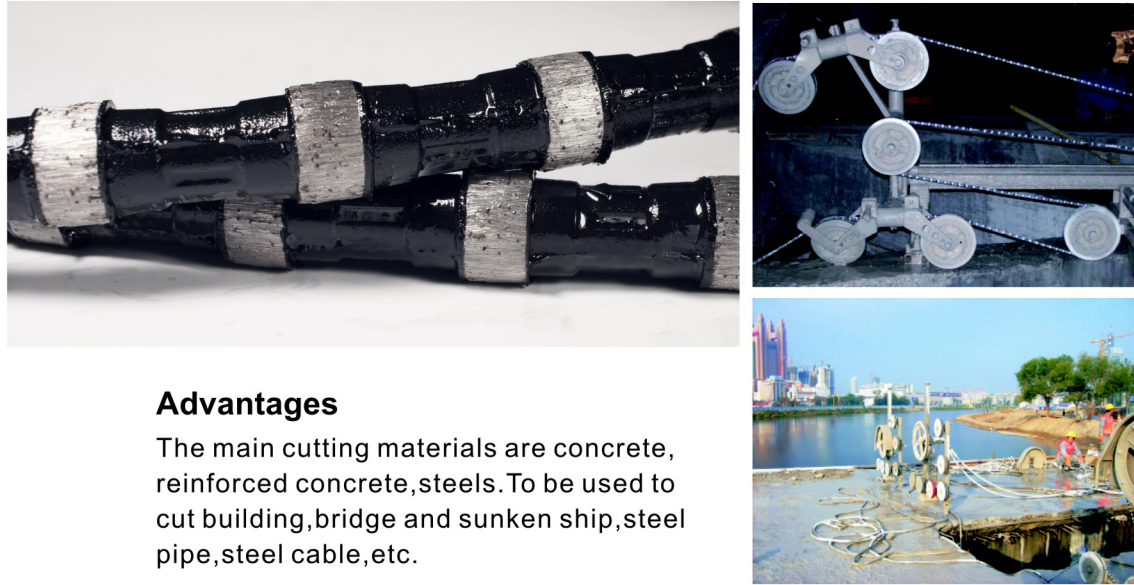


Applicable Machine: Full Automatic Continuous Grinding and Polishing Machine; Bridge Grinding and Polishing Machine, Hand Grinding and Polishing Machine

Model	Grit
T-140	36#/46#/60#/80#/100#/120#140#/180#/240#/320#
T-170	36#/46#/60#/80#/100#/120#140#/180#/240#/320#



## Diamond Wire-saws for reinforced concrete



### Advantages

The main cutting materials are concrete, reinforced concrete, steels. To be used to cut building, bridge and sunken ship, steel pipe, steel cable, etc.

### Specification and Technical Parameters of Diamond Beads

Specification (mm)	Height of Work Layer (mm)	Manufacture Technique
Φ11.5	6.4	Hot Pressed Sintering
Φ11.0	6.4	

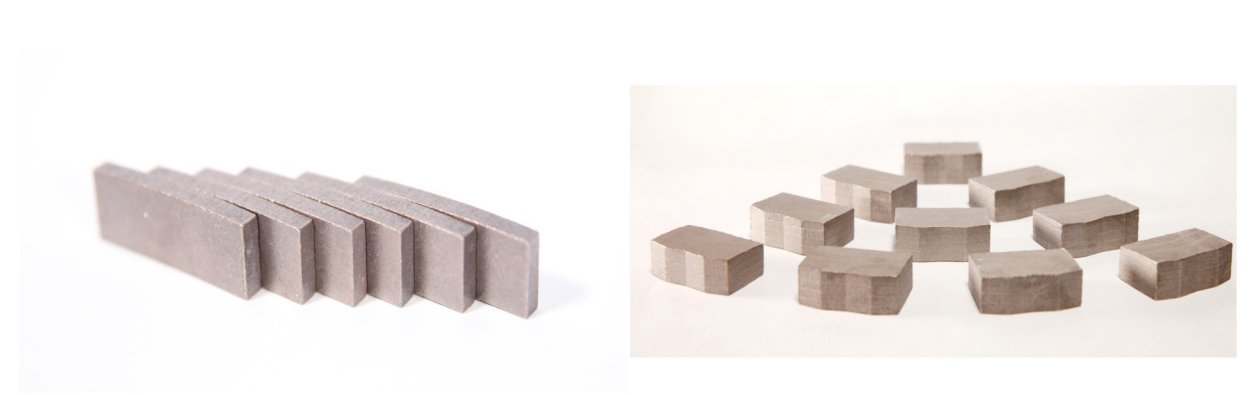
### Specification and Performance Parameters of Diamond Wire-saws

Identification	Specification (mm)	Beads/m	Reinforcement
612RS40	Φ11.5	40	R+S
611RS40	Φ11.0	40	

P represents Plastic      R represents Rubber      S represents Spring

Cutting Material	Line Speed (m/s)	Cutting Speed (m <sup>3</sup> /h)	Wire Life (m <sup>3</sup> /m)
Normally Reinforced Concrete	22-25	2.0-5.0	2.0-7.0
Highly Reinforced Concrete	20-22	0.8-2.0	1.0-2.5
Steels	18-20	0.5-1.0	0.5-1.2

## Block Cutting Segment For granite and Sandstone



### Advantages

Our sharp segments have a long service life, can smoothly cut stone with low noise and leave a very flat surface on the stone which is easier for polishing. Mainly used for cutting granite and sandstone.

Diameter (mm)	Core Thickness (mm)	Segment Number	Segment size (mm)
Φ300	2.2	21	40×3.0×15/12
Φ350	2.4	24	40×3.0×15/12
Φ400	2.6	28	40×3.4×15/12
Φ500	2.8	36	40×4.0×15/12
Φ600	3.6	42	40×4.8×15/12
Φ700	4.0	42/50	40×5.0×15/12
Φ800	4.5	46/57	40×6.0×15/12
Φ900	5.0	64	24×6.8/6.0×15/20
Φ1000	5.0	70	24×7.0/6.2×15/20
Φ1200	5.5	80	24×7.4/6.6×15/20
Φ1400	6.0	92	24×8.6/7.8×15/20
Φ1600	7.0	108	24×9.2/8.4×15/20
Φ1800	7.5	120	24×10.0/9.0×15/20
Φ2000	9.0	128	24×10.5/9.5×15/20
Φ2200	8.0	132	24×11.5/10.5×15/20
Φ2500	8.0	140	24×12.5/11.5×15/20
Φ2700	9.0	140	24×12.5/11.5×15/20
Φ3000	9.0	160	24×13/12×15/20

