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 FRANCE法国 GERMANY 德国 GREECE 希腊 INDIA 印度 INDONESIA印尼 IRAN 伊朗 IRELAND爱尔兰 ISRAEL以色列 ITALY 意大利
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 MOROCCO摩洛哥 NETHERLANDS荷兰 NORWAY挪威 PERU秘鲁 POLAND 波兰 PORTUGAL葡萄牙 ROMANIA罗马尼亚 RUSSIA 俄国
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 TAIWAN台湾 THAILAND泰国 TUNISIA突尼斯 TURKEY 土耳其 UNITED ARABIAN EMIRATES 阿联酋 UKRAINE乌克兰 UNITED KINGDOM 英国



Cutting-edge Technologies

High-performance diamond tools for stone industries

高性能金刚石工具



上海颢硕金属制品有限公司

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+ Company

Winterstone traces its roots back to 1847, in Germany. The company has grown since, thriving with its innovative high performance products and solutions, for the stone industry.

Winterstone was the pioneer in the modern cutting techniques, and made the most significant contributions to the current diamond tools state of the art technologies.

Winterstone, today is a global reference in the production of diamond tools used for extraction, primary and secondary cutting applications.

Innovation, Human Capital, Teamwork and the commitment to our customers are the pillars of the company.

+ 简介

WINTERSTONE起源于1847年，德国。历经百年沉淀，为石材行业开创了一系列高效产品并提供诸多解决方案

作为现代切割技术的先驱，WINTERSTONE为现代金刚石工具的核心技术做出了巨大贡献。

WINTERSTONE在金刚石工具切割方面已成为全球化指引，其产品广泛应用于荒料开采到切割的全部过程

创新、人力资本、团队协作和对客户的承诺是WINTERSTONE永恒的宗旨。



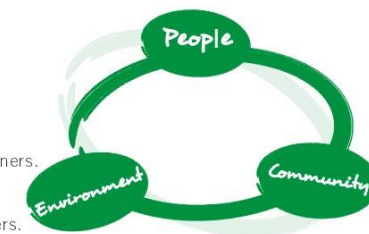
+ Milestones 里程碑

- ▶ 1847 Ernst Winter founds Winter for the production of lithographic diamonds. Ernst Winter创立WINTER公司，主要生产平版金刚石
- ▶ 1889 Development of drill bits and single-stone tools for granite. 开发出切割花岗岩的钻头及单石切割工具
- ▶ 1929 Production of Diamond micro grit by sedimentation. 1929年通过沉降法生产金刚石沙砾
- ▶ 1987 Winter is market-leader in Multi Blade Granite. 1987年引领花岗岩多锯片市场
- ▶ 2003 The company is now called Winterstone. 2003年公司改名为WINTERSTONE
- ▶ 2009 Integration of Spider Technology, for Diamond tools. 融合三角架技术应用于金刚石工具的生产
- ▶ 2012 Development of Multiwire with Spider technologies. 2012年结合三角架技术研发多头绳锯绳子
- ▶ 2014 Development of Chinese market. 2014年开发中国市场

+ Values 价值观

Respect for our commitments to you, 我们的承诺。

- ✓ Reliability: trusting in our technicians and products is always a safe bet. 可靠性: 我们的产品和服务您永远值得信赖
- ✓ Innovation and continuous developments to improve the solutions for our partners. 通过不断的创新和专研，为合作伙伴更好的解决行业问题
- ✓ Efficiency of our work to guarantee the sustainable profitability of our customers. 高效的工作保证客户的可持续利益。



+ Our people make the difference

Excellent service starts with having high quality tools, but it is our people who make the difference.

At Winterstone, the service is not an empty word. Rather it stands for practical assistance from experienced specialists who speak your language and help you to tackle the tasks at hand in the quarry or workshop. Place your trust in a partner that continually improves its products and ensures that your level of knowledge remains state-of-the-art.

Innovation is part of Winterstone DNA.

+ 我们拥有精英的员工

优质的服务源于高品质的工具，同时这也是我们优于别人的地方

在WINTER，服务不再是一个空洞的词汇。它代表了我们会非常专业的技术人员，为您解决矿山或工厂的问题。相信您的合作伙伴(WINTERSTONE)他将不断提高您的产品竞争力并确保您的专业知识永远领先。



Product for application: 应用范围

GRANITE QUARRIES	花岗石矿山
MARBLE QUARRIES	大理石矿山
LIMESTONE QUARRIES	石灰岩矿山
SLATE QUARRIES	板石/岩矿山
SANDSTONE QUARRIES	砂岩矿山



Winterstone quarry wires are installed in the most known quarries of the world with excellent performances and results, meeting every specific need, even under the most demanding conditions. To mention some of them: Porrino (Spain), Virginia (USA), Rustenburg (South Africa), Novelda (Spain), Veracruz (Mexico),

WINTERSTONE 矿山锯绳因其良好的性能，甚至在极端条件下，都能满足客户需求，被广泛应用于世界知名矿山，例如：波里尼奥（西班牙），弗吉尼亚（美国），勒斯滕堡（南非），诺韦尔达（西班牙），韦拉克鲁斯（墨西哥）等。

Single wire saws for block squaring and slabbing 单绳锯：用于荒料切割和大板切割

By fitting your cutting system (machine/material/parameters) the Wire allows a deeper cut, saving energy and transportation costs if compared to other extraction technologies.

相对于其它采荒机器来说，锯绳不但可以切得更深，并很大程度的节省能源和运输费用，而且根据您的机器及荒料品种规格等满足您的需求。



Spider VB, for an exceptional fast cut Spider VB 适用于极端快速切割

In parallel to the traditional sintered process, Winterstone R&D department has developed an innovative technology for the production of the Spider VB wire to enhance the cutting speed with exceptional diamond retention.

与传统烧结过程相比，WINTERSTONE 的研发部开发出一种SPIDER VB绳子，通过加强金刚石的把持度来提高切割速度。



Assembly: 安装

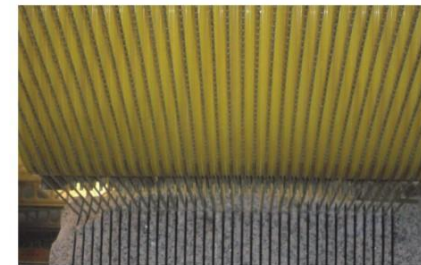
	SLATE 板岩	GRANITE 花岗石	MARBLE 大理石	SANDSTONE 砂岩	LIMESTONE 石灰岩	PSC
RUBBER 橡胶		36-40				40-45
PLASTIC 塑料	30-32					
PLASTIC+ SPRING 塑料+弹簧		35-40		32		
SPRING 弹簧			28-32		28-32	
RUBBER+ SPRING 橡胶和弹簧				40		

Benefits: 优点:

The Multiwire technology has recently brought to the stone processing industry clear advantages: increase in cutting speed, flexibility of production, cost effectiveness, waste reduction and an optimum quality of cut with a lower investment.

目前多头锯绳在石材加工行业的优点:

- 切割速度快
- 产品适用性广
- 低成本高效率
- 资源浪费少
- 低成本高质量



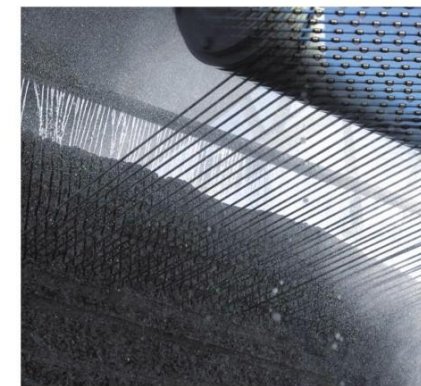
Our commitment: 我们的承诺

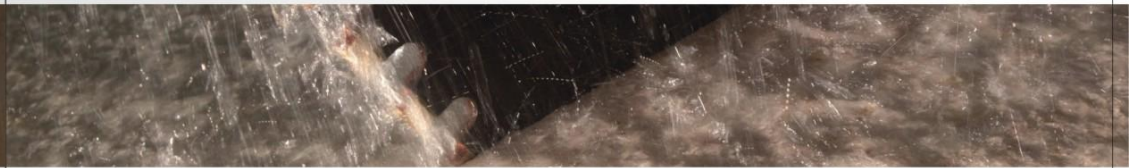
Winterstone is a leader in this activity thanks to our excellent wire supported by our professional and technical team servicing the customer at all times to:

- Install the wires.
- Train the staff.
- Choose and develop the best adapted tools to the equipment.
- Check and diagnose the machine.
- Follow up the process evolution and the performance of our products.

WINTERSTONE 作为此行业的领导品牌，得益于我们专业的技术服务团队时刻服务客户:

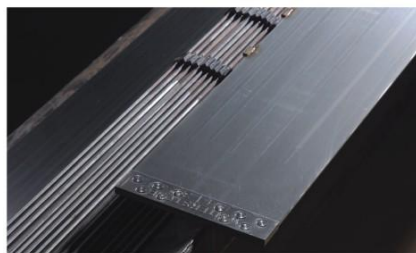
- 锯绳安装
- 员工培训
- 根据机器选择及开发最匹配的工具
- 机器检查
- 生产工序进展及产品性能跟踪





Applications: 应用范围

- MARBLE 大理石
- LIMESTONE 石灰石 (碳酸钙)
- SANDSTONE 砂岩
- EMPERADOR 啡网
- TRAVERTINE 洞石



Available thicknesses 厚度

2.0mm	2.5mm	3.0mm	3.25mm	3.50mm
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Performances: 性能

1. Higher speed for better productivity.
 2. Longer life for customers cost-effectiveness.
 3. The best compromise speed/lifetime for your requirements and always with the best quality to cut which will save you from polishing expenses.
1. 更快速, 更高效
2. 更长的使用寿命, 为客户节省成本
3. 根据客户的要求最佳平衡切割速度和使用寿命, 同时保证最好切割质量以为以后的抛光节省成本。



Raw material quality selection: 原材料选择

All raw materials we use for the manufacturing of our products are carefully selected to ensure the best quality of the tools delivered.

Winterstone particularly guarantees the best premium steel quality to support our segments performance.

适用于我们产品生产的原材料均经过精心筛选以保证生产出最优质的切割工具。

WINTERSTONE同时注重最优质的锯片材料(钢材)以保证刀头的最佳性能。



Product for application: 产品应用范围:

- MARBLE GANG SAW 大理石框架锯
- GRANIT GANG SAW 花岗岩框架锯

TIE ROD 锯夹

For gang saw to hold blade.
Our product is very popular in the market which can match many brands of gang saw for its competitive price and top quality.
And all tie rods will be tested by testing machine before delivery.

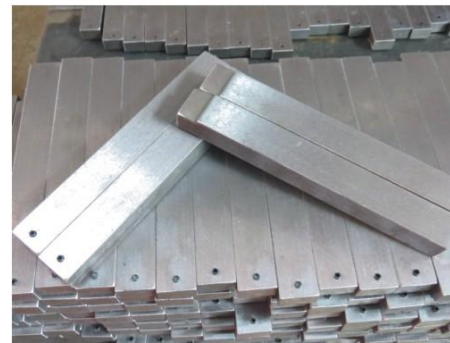
锯夹在框架锯中用于固定锯条。
我们的产品物美价廉, 适用于各种品牌的框架锯, 在市场中广泛收到好评。
所有锯夹出厂前都经过严格测试, 保证产品质量。



TIE ROD TESTING MACHINE
锯夹测试机

PRODUCT 产品	UNIT 单位	MODEL 型号	
TIE ROD 锯夹	SET 套	17mm	19mm

* Other specification can be costumed.
其它规格可以单独定制。



SPACER 间隔铁

For gang saw to control the cutting thickness
用于框架锯等石材切割机械中锯条间隔, 控制切割厚度。

PRODUCT 产品	UNIT 单位	MODEL 型号						
间隔铁 SPACER	MM	17	18	19	20	22	25	32

* Other specification and double side spacer can be costumed.
其它规格可以单独定制, 并且可以定制双面间隔铁。