



绳锯切割专家 Wire Saw Cutting Expert

福建天石源新材料有限公司

Fujian Skystone New Materials Co.,Ltd.



混凝土网站  
Skystone concrete website



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Overseas official website



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4+2

Manufacturing plants and R&D  
4大制造基地及2个研发中心



~1500

Employees world wide  
全球员工超1500人



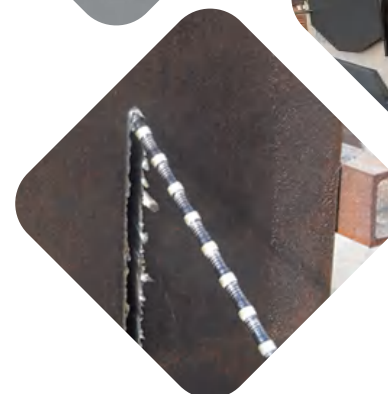
1500+

Clients over 130 countries  
1500多个合作客户遍布全球  
130多个国家及地区



1.2 Billion

RMB of 2023's output value  
2023年年产值超12亿人民币



2025版



福建-福州高新区 FACTORY-FUZHOU HIGH TECH ZONE

# 公司介绍 COMPANY INTRODUCTION



福建天石源新材料有限公司地处福建省东部经济技术开发区，长期致力于为建材行业和石材行业提供专业解决方案，同时在资源端做战略布局。天石源深耕于建筑切割、集其他特种切割加工工具为一体。天石源绳锯具有更长的使用寿命和更少的维护需求,降低停工时间和运营成本,能够适应更广泛的工作场景和复杂的切割要求，包括不同形状和材料的混凝土结构。同时，天石源专注智能装备制造，并在海外成立全资子公司Skystone Brasil，是一家集研发、生产、销售于一体的综合型高新技术企业。

Skystone Group is a comprehensive high-tech enterprise which integrating R&D, production and sales. After 20 years of development, we committed to providing professional solutions for the building demolition industry and stone industry. At the same time, we also make strategic layout on the resource side.

Skystone Group's owns:

- Fujian Skystone New Materials Co.,Ltd. which specializes in building materials industry;
- Fujian Skystone Intelligent Equipment Co., Ltd., which focuses on building materials industry and cutting processing equipment;
- Skystone Brasil, a wholly-owned overseas subsidiary, and many other branches.

Skystone Group always upholds the spirit of innovation and excellence. There are four professional manufacturing plants, two R&D centers and two engineering technology centers, with nearly 1500 employees. It is high-tech enterprise and owns a number of independent intellectual property rights.



福建-福州 FACTORY-FUZHOU



福建-莆田 FACTORY-PUTIAN



巴西-SKYSTONE BRASIL FACTORY-BRAZIL

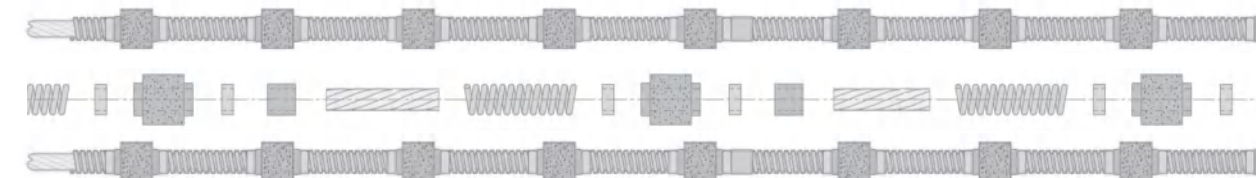


选择天石源 选择成功

## Choose Skystone Choose Success

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## 产品简介 Product Introduction

绳锯混凝土切割拆除，是近年来发展迅速的新兴技术，也正逐渐成为工程拆卸和改造中最主流的应用技术，该技术广泛应用于各类建筑、地铁、公路桥梁、房屋拆除、水下切割、钢筋切割等工程。天石源自主研发了特种橡胶及硫化技术，确保混凝土绳在各种恶劣条件下安全、高效、稳定地工作。

Concrete wire saw cutting and demolition is an emerging technology that has developed rapidly in recent years and is gradually becoming the most mainstream application technology in engineering demolition and reconstruction. This technology is widely used in various construction, subway, highway bridge, house demolition, underwater, steel bar and other cutting projects. Skystone have independently developed special rubber and vulcanization technology to ensure that concrete wires work safely, efficiently and stably under various harsh conditions.

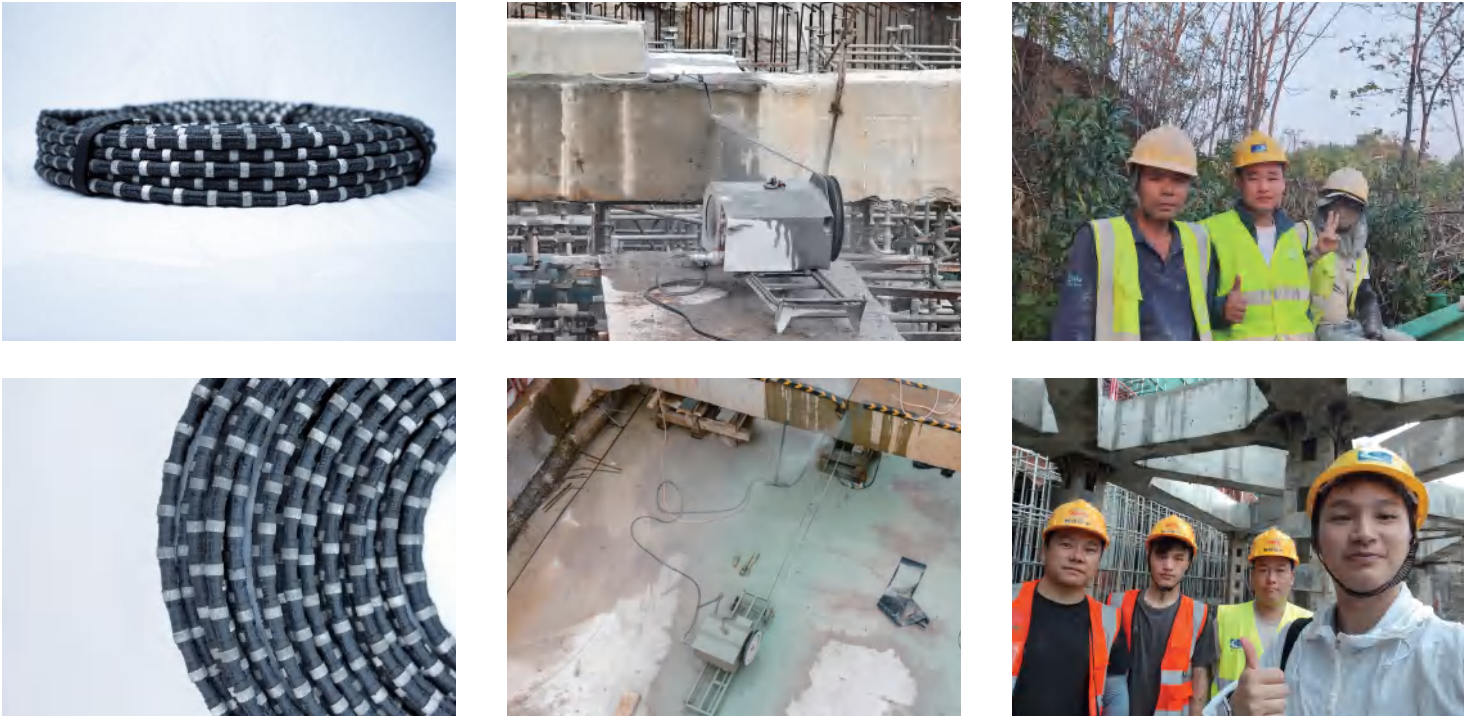


# 通用型钢混切割金刚石绳锯

## Diamond wire for general concrete cutting



- ◆ 能切割和拆除大面积、不规则的钢筋混凝土建筑  
Capable of cutting and demolishing large irregular reinforced concrete buildings
- ◆ 可以任意方向切割和拆除局部建筑  
Partial buildings can be cut and removed in any direction



| 类型/Type                    | 综合型/Comprehensive                                                                  | 效率型/Efficiency          |
|----------------------------|------------------------------------------------------------------------------------|-------------------------|
| 型号/Code type               | SRC120-S2                                                                          | SRC120-H2               |
| 直径/Diameter                | 12.0mm                                                                             | 12.0mm                  |
| 固定方式/Fixing                | 橡胶 + 弹簧 Rubber + Spring                                                            | 橡胶 + 弹簧 Rubber + Spring |
| 齿数/Beads(m)                | 40                                                                                 | 40                      |
| 串珠类型/Beads type            | 烧结珠 Sintered beads                                                                 | 烧结珠 Sintered beads      |
| 应用场景/Application scenarios | 普通建筑拆除、地铁工程、桥梁切割等<br>building demolition, subway engineering, bridge cutting, etc. |                         |

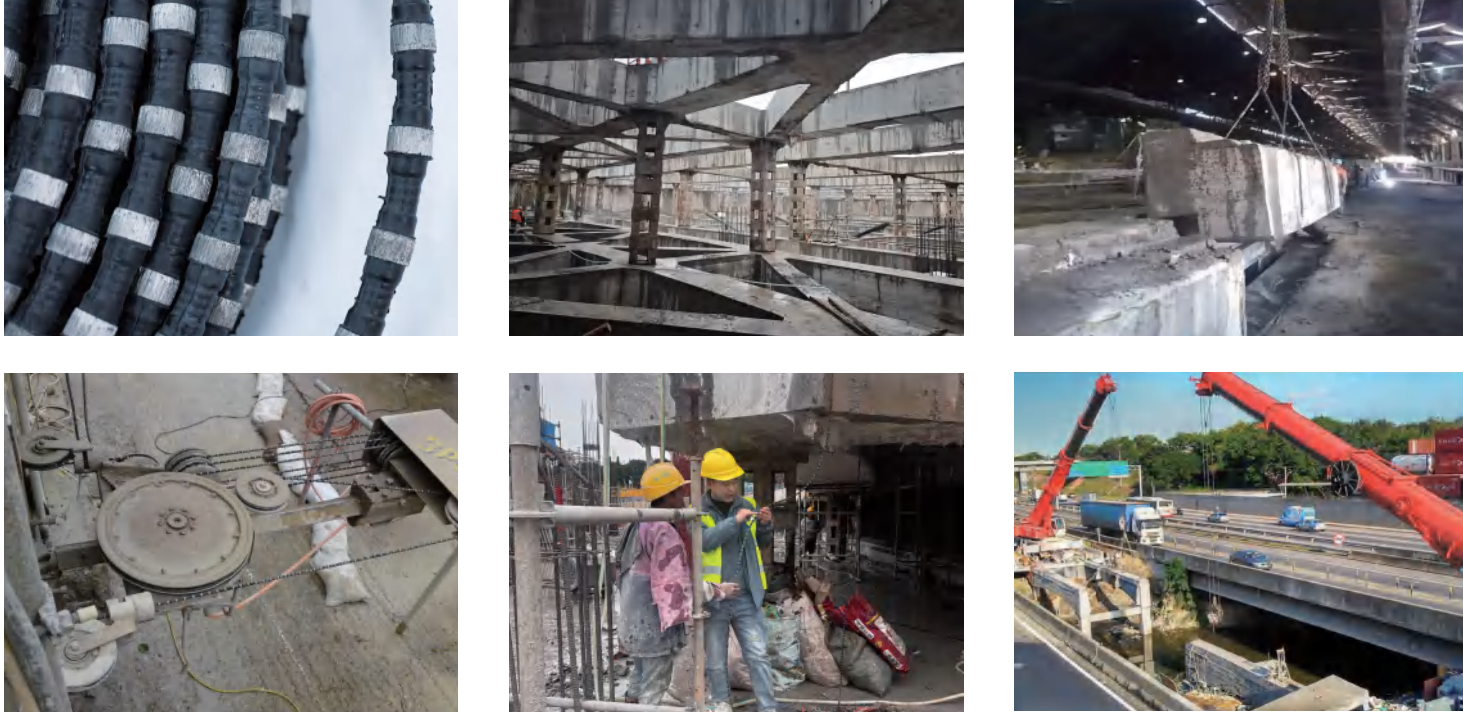
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# 高强钢混切割金刚石绳锯

## Diamond wire for heavy reinforce concrete cutting



- ◆ 寿命长 Long life
- ◆ 施工振动、噪音、灰尘及其它环境污染少  
Less construction vibration, noise, dust and other environmental pollution

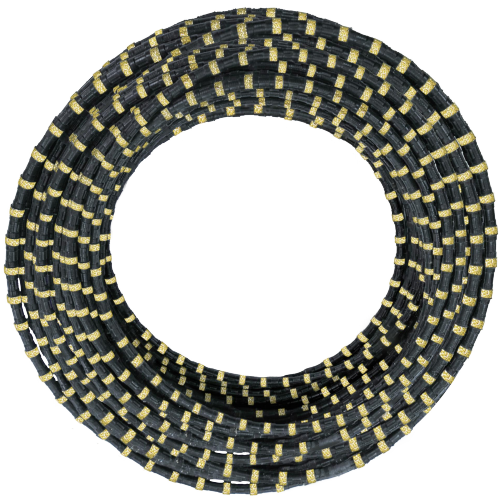


| 类型/Type                       | 综合型/Comprehensive                                                                                                            |           | 效率型/Efficiency                    |           |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------|-----------|
| 型号/Code type                  | SRC105-S2                                                                                                                    | SRC110-S2 | SRC105-H2                         | SRC110-H2 |
| 直径/Diameter                   | 10.5mm                                                                                                                       | 11.0mm    | 10.5mm                            | 11.0mm    |
| 固定方式/Fixing                   | 橡胶 + 弹簧 Rubber + Spring                                                                                                      |           | 特种橡胶 + 弹簧 Special Rubber + Spring |           |
| 齿数/Beads(m)                   | 40                                                                                                                           | 40        | 40                                | 40        |
| 串珠类型/Beads type               | 烧结珠 Sintered beads                                                                                                           |           | 烧结珠 Sintered beads                |           |
| 备注/Note                       | 钢筋含量 Steel content≤3%                                                                                                        |           | 钢筋含量 Steel content 3%—6%          |           |
| 应用场景<br>Application scenarios | 高强度钢筋混凝土、建筑拆除、地铁工程、桥梁切割等<br>High-strength reinforced concrete, building demolition, subway engineering, bridge cutting, etc. |           |                                   |           |

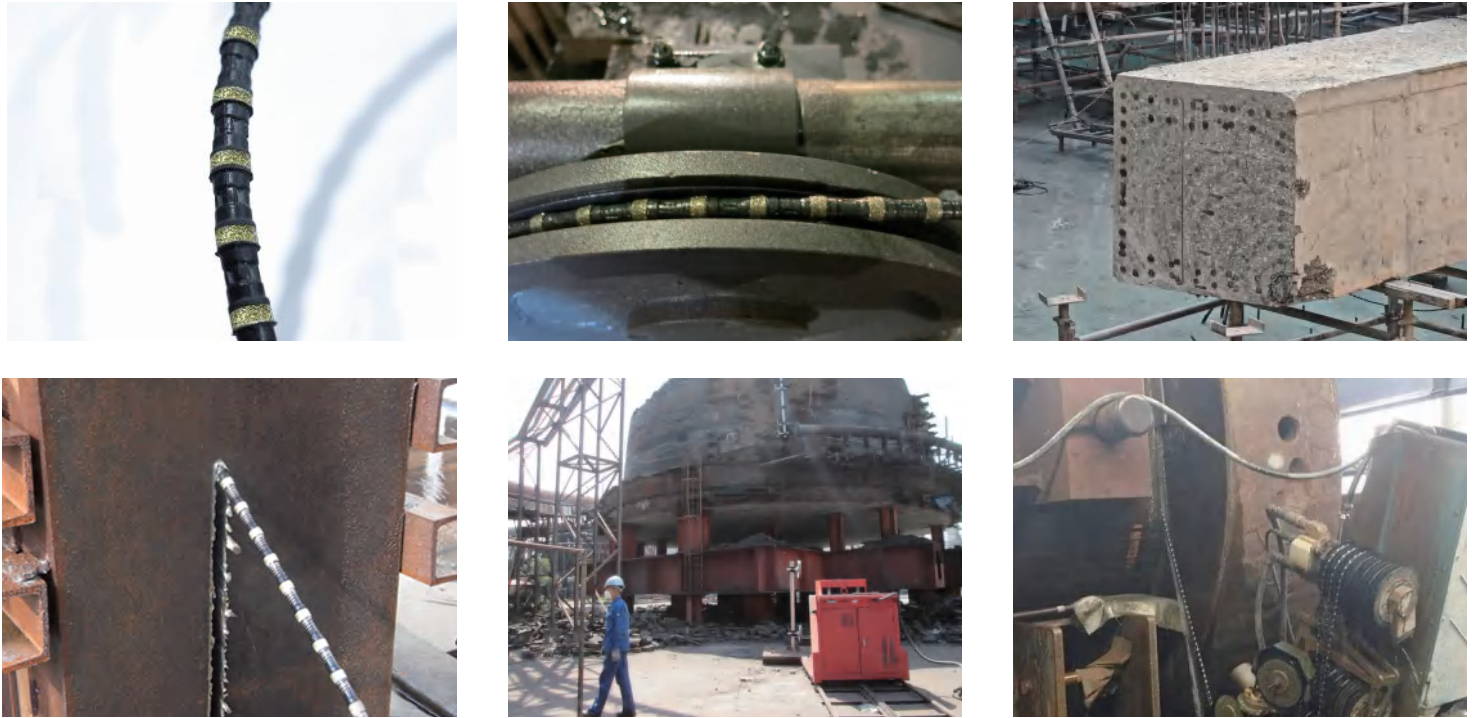
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钢结构切割金刚石绳锯

Diamond wire for steel structure cutting



- ◆ 提供更精确的切割控制，能够实现更精细的切割要求  
Provides more precise cutting control and can achieve more precise cutting requirements
- ◆ 用于纯金属的切割  
For cutting pure metal such as steel aluminium

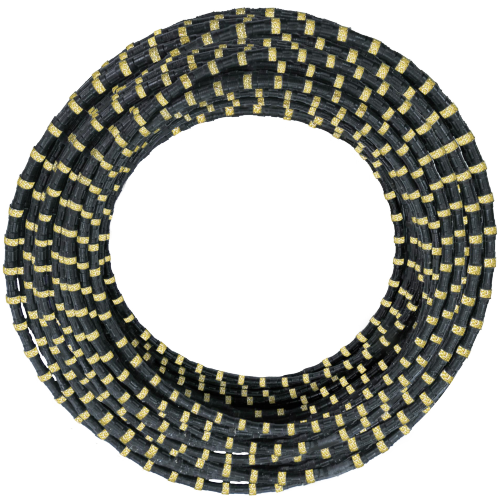


| 类型/Type                    | 钢结构切割金刚石绳锯 Diamond wire for steel structure cutting               |                         |
|----------------------------|-------------------------------------------------------------------|-------------------------|
| 型号/Code type               | SSRC105E                                                          | SSRC110E                |
| 直径/Diameter                | 10.5mm                                                            | 11.0mm                  |
| 固定方式/Fixing                | 橡胶 + 弹簧 Rubber + Spring                                           | 橡胶 + 弹簧 Rubber + Spring |
| 齿数/Beads(m)                | 40/48                                                             | 40/48                   |
| 串珠类型/Beads type            | 电镀 Electroplating                                                 | 钎焊 Brazed               |
| 应用场景/Application scenarios | 纯金属切割、钢材切割、船舶、等<br>Pure metal cutting, steel cutting, ships, etc. |                         |

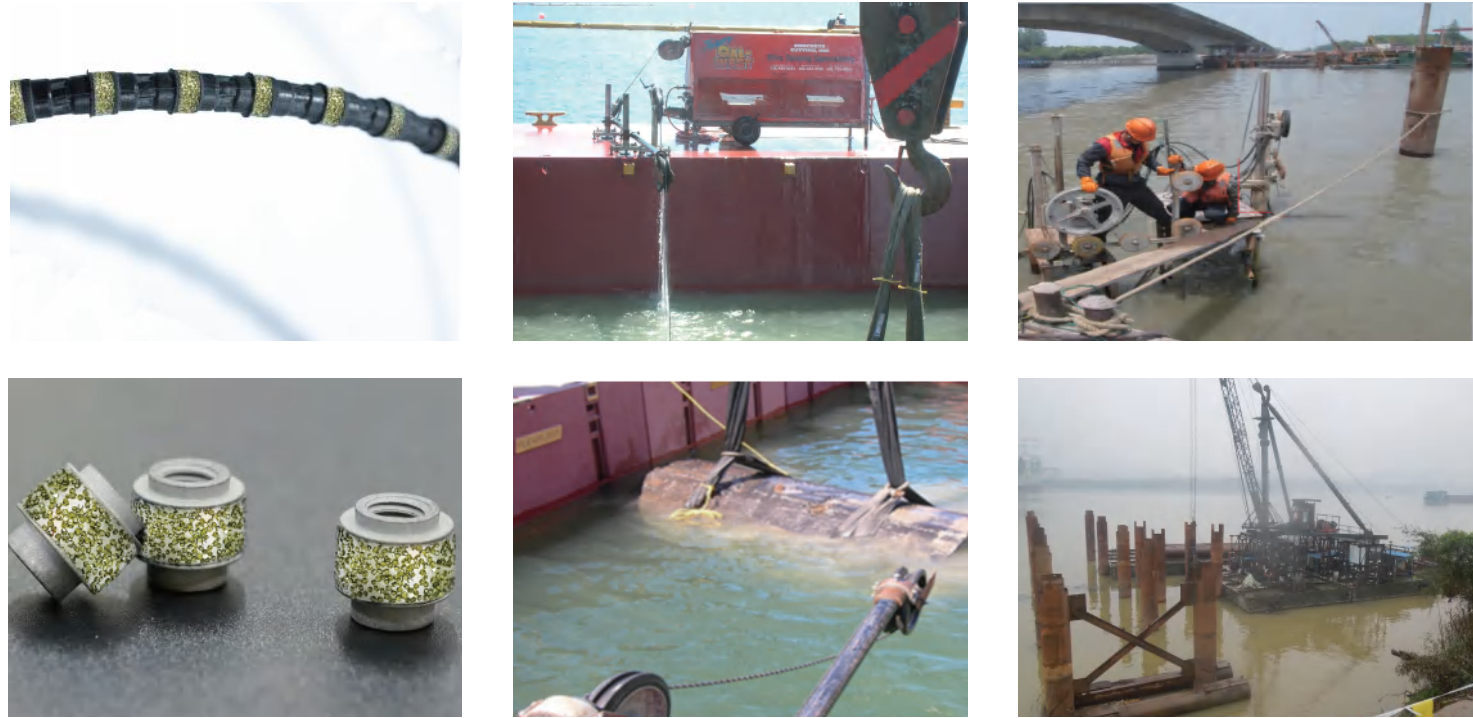
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Diamond wire for under-water concrete cutting

水下钢混切割金刚石绳锯



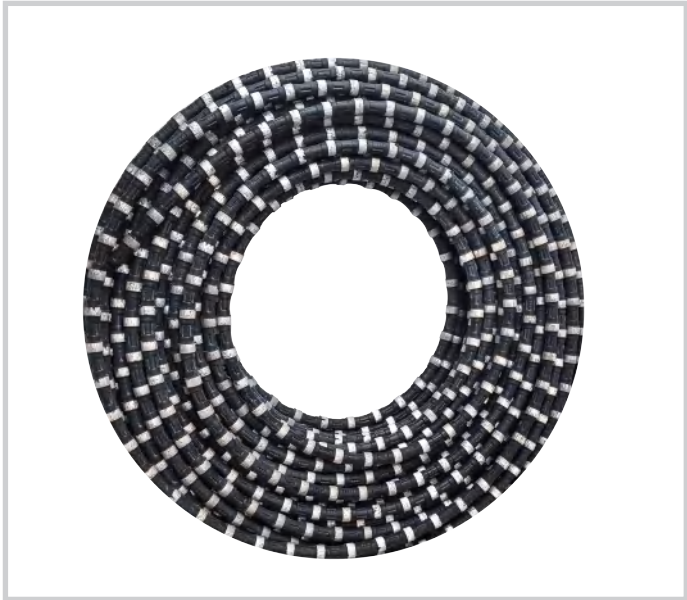
- ◆ 适应水下及狭窄空间切割  
Suitable for under-water and narrow space cutting
- ◆ 能够适应更广泛的工作场景和复杂的切割要求，包括不同形状和材料的混凝土结构  
Adapt to a wider range of working scenarios and complex cutting requirements, including concrete structures of different shapes and materials



| 类型/Type                    | 水下钢混切割金刚石绳锯 Diamond wire for under-water concrete cutting                                 |                         |
|----------------------------|-------------------------------------------------------------------------------------------|-------------------------|
| 型号/Code type               | WSRC105E                                                                                  | WSRC110E-H2             |
| 直径/Diameter                | 10.5mm                                                                                    | 11.0mm                  |
| 固定方式/Fixing                | 橡胶 + 弹簧 Rubber + Spring                                                                   | 橡胶 + 弹簧 Rubber + Spring |
| 齿数/Beads(m)                | 40                                                                                        | 40                      |
| 串珠类型/Beads type            | 电镀 Electroplating                                                                         | 钎焊 Brazed               |
| 应用场景/Application scenarios | 水下切割、纯金属切割、钢材切割、船舶等<br>Underwater cutting, pure metal cutting, steel cutting, ships, etc. |                         |

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干式切割金刚石绳锯  
Diamond wire for concrete dry cutting



- ◆ 切割效率高 High efficiency
- ◆ 用于各种类型钢筋混凝土的干切  
For reinforced concrete dry cutting



| 类型/Type                    | 干式切割金刚石绳锯 Diamond wire for concrete dry cutting                           |                         |
|----------------------------|---------------------------------------------------------------------------|-------------------------|
| 型号/Code type               | DCCR110-H2                                                                | DCCR114-H2              |
| 直径/Diameter                | 11.0mm                                                                    | 11.4mm                  |
| 固定方式/Fixing                | 橡胶 + 弹簧 Rubber + Spring                                                   | 橡胶 + 弹簧 Rubber + Spring |
| 齿数/Beads(m)                | 40                                                                        | 40                      |
| 串珠类型/Beads type            | 烧结珠 Sintered beads                                                        | 烧结珠 Sintered beads      |
| 应用场景/Application scenarios | 钢筋混凝土干切缺水环境<br>Reinforced concrete dry cutting water shortage environment |                         |

接受客户特殊需求定制 Accept other customizations according to customer's requirements.

轨道式绳锯机  
Wire saw machine



切割自动控制:绳锯张力及切割电流由PLC及变频器双向闭环自动控制  
Cutting automatic control: The wire saw tension and cutting current are automatically controlled in a closed loop by PLC and frequency inverter.

| 轨道式绳锯机 Wire saw machine                            |                 |            |            |
|----------------------------------------------------|-----------------|------------|------------|
| 参数/Parameters                                      | 型号/Machine type | TSY-15G    | TSY-55Y    |
| 设备总功率/Total power (kW/hp)                          |                 | 16/22      | 70/90      |
| 主电机功率/Main motor power (kW/hp)                     |                 | 15/20      | 66/89      |
| 行走电机功率/Traveling motor power (kW/hp)               |                 | 0.37/0.5   | 0.75/1     |
| 转盘电机功率/Rotation motor power (kW/hp)                |                 | 0.37/0.5   | 1.5/2      |
| 移动电机功率/Lift motor power (kW/hp)                    |                 | /          | 1.5/2      |
| 转盘旋转角度/Rotation angle                              |                 | 360°       | 360°       |
| 主飞轮轴向移动行程<br>Flywheel axial movement distance (mm) |                 | /          | 430        |
| 主电机线速度/Line-speed (m/s)                            |                 | 0-40       | 0-40       |
| 行走速度/Travelling speed (m/h)                        |                 | 0-150      | 0-150      |
| 工作环境/Working condition (°C)                        |                 | -15°C~40°C | -15°C~40°C |
| 设备重量/Machine weight (kg)                           |                 | 900        | 2730       |

接受客户特殊需求定制 Accept other customizations according to customer's requirements.

由电动机直接驱动，能量损耗将至最低  
易于操作和保养  
一名工人即可轻松移动  
Directly driven by electric motor, without power loss during work  
Easy and simple to handle and maintain  
Can be moved by one person



| 参数/Parameters                   | 电动绳锯机 Electric Wire Saw machine |
|---------------------------------|---------------------------------|
| 规格/Model                        | TSY-25X                         |
| 驱动/Driving                      | Electric                        |
| 张紧/Tensioning                   | Electric                        |
| 额定功率/Rated Power                | 18.5-25KW                       |
| 电压/Voltage                      | AC380+10% 50Hz/Customized       |
| 工作温度/Temperature                | -15-40°C                        |
| 线速度/Speed                       | 0-26m/s                         |
| 旋转线速度/Rotation Line-speed (m/s) | 2.8-3.1                         |
| 最大张紧力/Max Tension               | 230kg                           |
| 驱动轮/OD of Driving Pulley        | 500mm                           |
| 轨道长度/Track Length               | 1300mm                          |
| 设备尺寸/Dimension(mm)              | 2200*800*880                    |
| 设备重量/Machine Weight(kg)         | 350kg                           |

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履带式绳锯机

Crawler type wire saw machine

切割自动控制:绳锯张力及切割电流由PLC及变频器双向闭环自动控制  
Cutting automatic control: The wire saw tension and cutting current are automatically controlled in a closed loop by PLC and frequency inverter.



| 自行式绳锯机 Trackless wire saw machine                  |                 |            |
|----------------------------------------------------|-----------------|------------|
| 参数/Parameters                                      | 型号/Machine type | TSY-55YZF  |
| 设备总功率/Total power (kW/hp)                          |                 | 71/90      |
| 主电机功率/Main motor power (kW/hp)                     |                 | 66/89      |
| 行走电机功率/Traveling motor power (kW/hp)               |                 | 1.5/2      |
| 转盘电机功率/Rotation motor power (kW/hp)                |                 | 1.5/2      |
| 移动电机功率/Lift motor power (kW/hp)                    |                 | 1.5/2      |
| 转盘旋转角度/Rotation angle                              |                 | 360°       |
| 主飞轮轴向移动行程<br>Flywheel axial movement distance (mm) |                 | 530        |
| 主电机线速度/Line-speed (m/s)                            |                 | 0-40       |
| 行走速度/Travelling speed (m/h)                        |                 | 0-150      |
| 工作环境/Working condition (°C)                        |                 | -15°C~40°C |
| 设备重量/Machine weight (kg)                           |                 | 3030       |

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自动控制行走装置  
采用加厚钢板、喷塑工艺，耐腐蚀、使用寿命长  
适用于户外桥梁、拆除作业环境。  
Automatic Walking Control: Features an automatic walking control device for easy operation and maneuverability.  
Durable Construction: Made with thick-ened steel plates and spray-plastic coating, ensuring corrosion resistance and long service life.  
Applications: Ideal for outdoor environ-ments such as bridge construction and demolition sites.

| 参数/Parameters                        | 履带式绳锯机<br>Crawler type wire saw machine |
|--------------------------------------|-----------------------------------------|
| 规格/Model                             | TSY-28LG                                |
| 设备尺寸/Machine size (m)                | 1600x900x800                            |
| 设备重量/Machine weight (kg)             | 600                                     |
| 驱动形式/Drive Type                      | 双变频电机/Dual inverter motor               |
| 驱动电机功率/Drive Motor Power (kw)        | 1. 1×2                                  |
| 行走速度/Travel Speed (m/min)            | 0-18                                    |
| 工作电压/Operating Voltage (V)           | 380                                     |
| 主电机额定电流/Main Motor Rated Current (A) | 50                                      |
| 主电机功率/Main Motor Power (kw)          | 25                                      |
| 总功率/Total Power (kw)                 | 28                                      |
| 移动形式/Mobility Type                   | 履带/Crawler track                        |
| 履带规格/Crawler Specification (mm)      | 180×60×47                               |
| 旋转线速度/Rotation Line-speed (m/s)      | 2.8-3.1                                 |
| 主轮直径/Main Wheel Diameter (mm)        | 500                                     |
| 控制方式/Control Method                  | 遥控/Remote control                       |
| 控制距离/Control Distance (m)            | 50                                      |

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配件 Accessory



万向轮  
Guide pulley



导向胶轮  
Guide rubber wheel



锯片  
Saw blade



钢丝剪  
Cable cutter



液压钳  
Hydraulic pincer



接头  
Joint



**! 防护装备PROTECTIVE EQUIPMENT**

佩戴头盔防坠物 · 反光衣提升辨识度 · 进入工地穿长裤 · 胶鞋不让水电入

Wear a helmet to prevent falling objects.

Reflective clothing improves recognition.

Wear long pants when entering the construction site.

Rubber shoes to prevent water and electricity from entering.

**! 安全提示SAFETY TIPS**

远离绳锯切割方向，防止受伤。

作业时请注意脚下，确保踏板稳固，防止踩到钉子或滑倒。

根据施工规定，凡在高于2米的作业高度，必须佩戴安全带并正确挂设安全绳。

已完成切割的梁体存在结构不确定性，禁止误踩断梁，确保下方钢架或马凳支撑稳定可靠。

Stay clear of the wire saw cutting direction to avoid injury.

Always watch your footing on site. Ensure that all pedals or planks are stable and free of protruding nails to prevent slips or injuries.

According to safety regulations, any work performed above 2 meters requires wearing a safety harness properly secured with a lanyard.

Do not step on cut or detached beams. Their structural integrity is not guaranteed. Ensure the stability of supporting frames or saddles below.



选择天石源，我们将提供专业的培训和指导服务直至客户能熟练掌握。为客户提供全套的解决方案，从而大大提升效率并降低切割成本。



Choose Skystone, we will provide professional training and guidance services until customers can master it. Provide customers with a full set of solutions to greatly improve efficiency and reduce cutting costs.

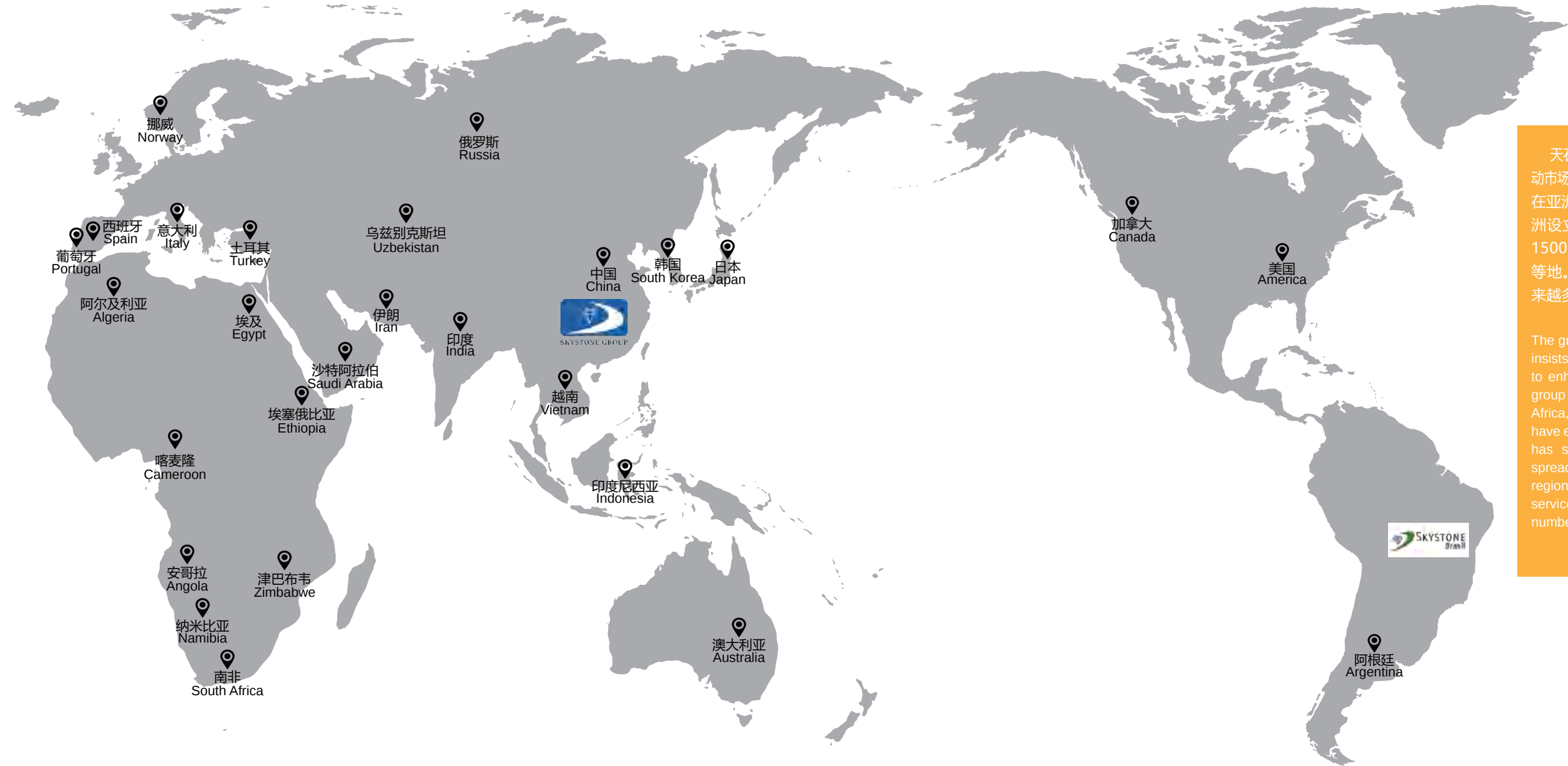


# 全球服务

天石源深耕石材开采、建筑切割与加工工具20多年的行业经验，对相关产品我们能提供配套服务，实现产品服务一体化。

Skystone has more than 20 years of industry experience in stone mining, construction cutting and processing tools. We can provide supporting services for related products and realize product and service integration, and realize one-stop product service.

# GLOBAL SERVICE & REFERENCE



天石源秉承“以客户为中心”的服务理念，坚持以“技术推动市场服务,创造价值为宗旨”为客户提供更优质的服务。公司在亚洲，非洲等数十个国家设立办事处。在欧洲，美洲设立分公司。截至目前，天石源在全球已服务超过1500多个客户，经销商遍布美洲，欧洲，亚洲，非洲等地。卓越的产品质量及专业的服务体系，获得了越来越多客户的认可。

The group carried on the concept of being customer-centric, insists on “technology to promote the market”, and “service to enhance value” In order to better serve customers, the group has establish offices in dozens of countries in Asia, Africa, and other regions. In Europe and the Americas, we have established subsidiary companies. As of now, Skystone has served over 1500 clients globally, with distributors spread across the Americas, Europe, Asia, Africa, and other regions. Our outstanding product quality and professional service system have gained recognition from an increasing number of customers.





## NOTE RECORDS