

天奥冰壶

Tiano Curling Stone

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Company
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公司简介 Company Profile



天奥冰壶创建于2010年，是由高级工程师王金义组织投资创立国际研发团队。依托强大的技术研发能力，从石材选材到冰壶专用加工机床的开发，形成了天奥冰壶完整的独特生产工艺与多项专利技术。是专业冰壶器材制造商。

Tiano Curling Stone is a wholly private-owned company which was founded in 2010 and possesses an experienced R&D team consisting of engineers, technicians and a geology doctor from ETH Zürich. It is a professional curling stone manufacturer with intelligent properties and unique manufacturing procedures.



天奥冰壶工厂位于辽宁省开原市科技园区，厂房占地面积2000平方米，拥有多台套数控车床、专业机床、打磨车间、抛光车间、仓库、装配线，具有高标准SOP生产程序和先进的质量管理体系。

The company locates in Kaiyuan Industrial Park of Liaoning China. It has CNC machine tools and special-purpose machines for granite grinding and polishing. It also has advanced quality control system.

天奥主要产品，包括国际标准花岗岩冰壶、陆地冰壶、校园冰壶和冰板两用冰壶，冰壶辅具等。

Products include regular curling stones on real ice, dryland curling stones on synthetic ice and 2-purpose curling stones on both real ice and synthetic ice.



- 国际标准花岗岩冰壶 19kg Series Granite Curling Stone
- 少年花岗岩冰壶 10kg Series Granite Curling Stone
- 花岗岩冰板两用冰壶 2-purpose Granite Curling stone on both real Ice and synthetic Ice
- 四季冰壶（校园版） Plastic Iceless Curling Stone
- 花岗岩陆地冰壶（竞赛型） 10kg Series Granite Dryland Curling Stone for Competition
- 花岗岩陆地冰壶（大众健身竞赛型） 10kg Series Granite Dryland Curling Stone for Curling Population



我们的愿景：致力于加强与社会各界合作，在全球范围内推广普及冰壶运动。 Tiano is committed to strengthening international cooperation, producing world top-notch curling equipment, promoting environment-friendly curling sport and curling popularization all over the world.



国际合作 International Cooperation



自2010年创立以来，天奥冰壶通过不断完善产品选材、设计生产工艺、及普及性宣传冰壶运动，在国际市场上受到客户的一致好评。图为天奥冰壶创始人王金义先生、王茹敏女士与国际知名冰壶运动教练以及来自加拿大、瑞典、英国等国家的冰壶专家沟通交流。



International Exchange with curling specialists from Canada

天奥标准花岗岩冰壶 Granite Curling Stone on Real Ice

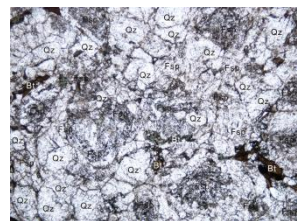


天奥标准花岗岩冰壶是按国际冰壶赛事的标准设计、制造，拥有制造工艺先进，精度高，性能稳定等特点，可广泛应用于正式比赛和专业运动员训练等场景中。标准花岗岩冰壶采用高标准天然花岗岩制作，不易吸水，耐磨，可承受较高频次的碰撞，是当前各种正式冰壶赛事用壶的不二选择。

The stone is made of China natural fine-grain granite which has excellent striking performance nearly without water absorption.



天奥冰壶花岗岩
Tiano Granite



花岗岩显微图
Granite Microscopic Texture



天奥冰壶工作面
Curling Stone Working Surface

Microscopy Report

Tested by: Zhong Xin, Geology Bachelor of China University of Petroleum

Geology Master of Eidgenossische Technische Hochschule Zürich

Feb. 25, 2012

仲欣

Tested Item: Tiano Granite

Sample provided by: China Kaiyuan Tiano Automation Machinery Co. Ltd



tianocurling.com

Name of Hand Specimen: Diorite

Name under Microscope: Granodiorite

Rock Components

| Name | Content | Mohs' scale of hardness |
|-------------|---------|-------------------------|
| Plagioclase | 75+% | 6-6.5 |
| Quartz | 18+% | 7 |
| Biotite | 4+% | 2-2.5 |
| Apatite | <1% | 5 |
| Others | <2% | |

花岗岩检验报告
Granite Report

花岗岩陆地冰壶 19kg, 10kg, 5kg Series Dryland Granite Curling Stone



陆地冰壶产品是由天奥公司研发生产的无需在冰面上使用的冰壶产品。天奥陆地冰壶同样采用高标准的天然花岗岩制作，具有耐磨，可承受较高频次的碰撞的特性。陆地冰壶分为竞赛版训练版和大众版，竞赛版（训练版）陆地冰壶高度还原了标准花岗岩冰壶的性能和手感，具有与标准花岗岩冰壶相同的运动性能；大众版陆地冰壶可广泛用于全民健身、俱乐部活动、团队建设等用途。此外，大众版陆地冰壶还可根据客户群体的特性，设计生产不同重量的产品，主要有5kg版，10kg版，19kg版，以满足不同年龄段的客户



天奥陆地冰壶在二青会
Stones Used on China
2nd Youth Curling Game



天奥陆地冰壶在山东省全民健身运动会
Stone Used on Shandong Game



天奥陆地冰壶在河北省比赛中
Stone Used on Hebei Curling Game



天奥陆地冰壶在香港
Stone Used in Hong Kong Curling Club

Tiano Dryland Granite Curling Stone is also made of natural fine grain granite machined with CNC machine tool for their high precision and good consistence for each 1 set (16) stones. 5kg, 10kg and 19kg series stones meet different users needs.

四季校园冰壶 Plastic Iceless Curling Stone



四季冰壶（校园版）产品是由天奥公司于2018年研发生产的无需在冰面上使用的冰壶产品。与陆地冰壶不同，四季校园冰壶产品的材质采用塑料合金，并经过反复、大量的试验台模拟，性能稳定、耐用，且重量较轻，适合非专业人士、老年团体或用于青少年业余活动。



天奥校园冰壶全貌
Front View



天奥校园冰壶工作面
Working Surface

Widely used for school, community, team construction etc. It is made of plastic with adjustable weight from 0.98kg to 4kg. It has good appearance and good performance on any smooth hard sheet.



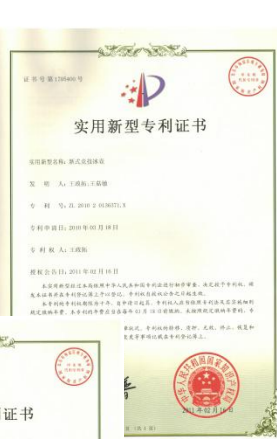
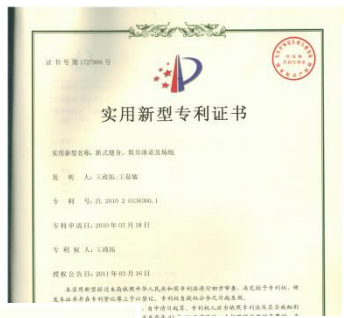
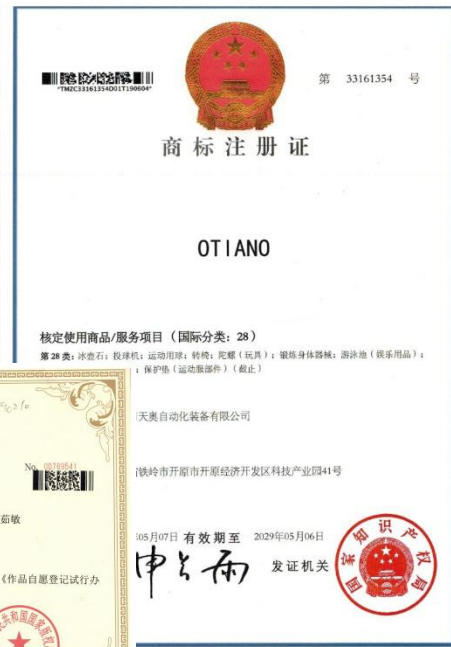
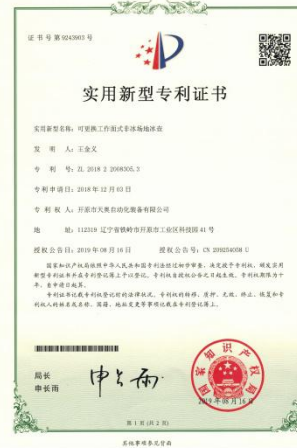
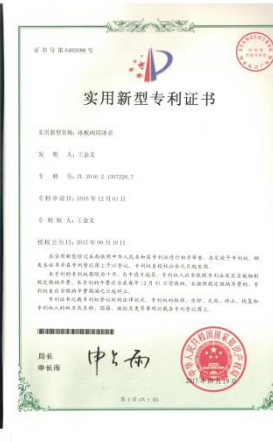
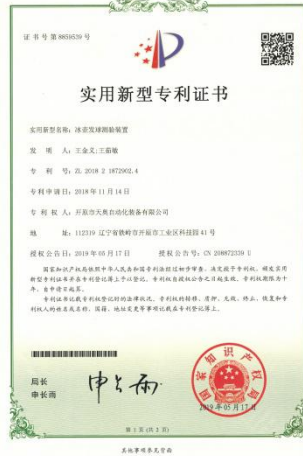
天奥四季冰壶（校园版）在北京市中小学校园冰壶比赛中
Stone Used in Beijing School Curling Game

知识产权 Intelligent Properties



天奥公司拥有自主的核心知识产权，并且注重知识产权的保护。公司的核心产品均有经知识产权局认定的专利证书。同时，天奥公司每年积极在研发方面投入大量资金，不断改善自身产品性能和质量，力求精益求精，为客户及冰壶产品的使用者提供更好的产品和服务。

Tiano Company has several patents, trade mark and copyrights



客户分布 Main Users



天奥冰壶在香港
Tiano Stone in
Hong kong

天奥冰壶在杭州
Tiano Stone in Hangzhou

天奥冰壶在上海
Tiano Stone in ShangHai



天奥冰壶在北京
Tiano Stone in Beijing



天奥冰壶在英国
Tiano Stone in UK

天奥冰壶在美国
Tiano Stone in USA

业绩 Track Record



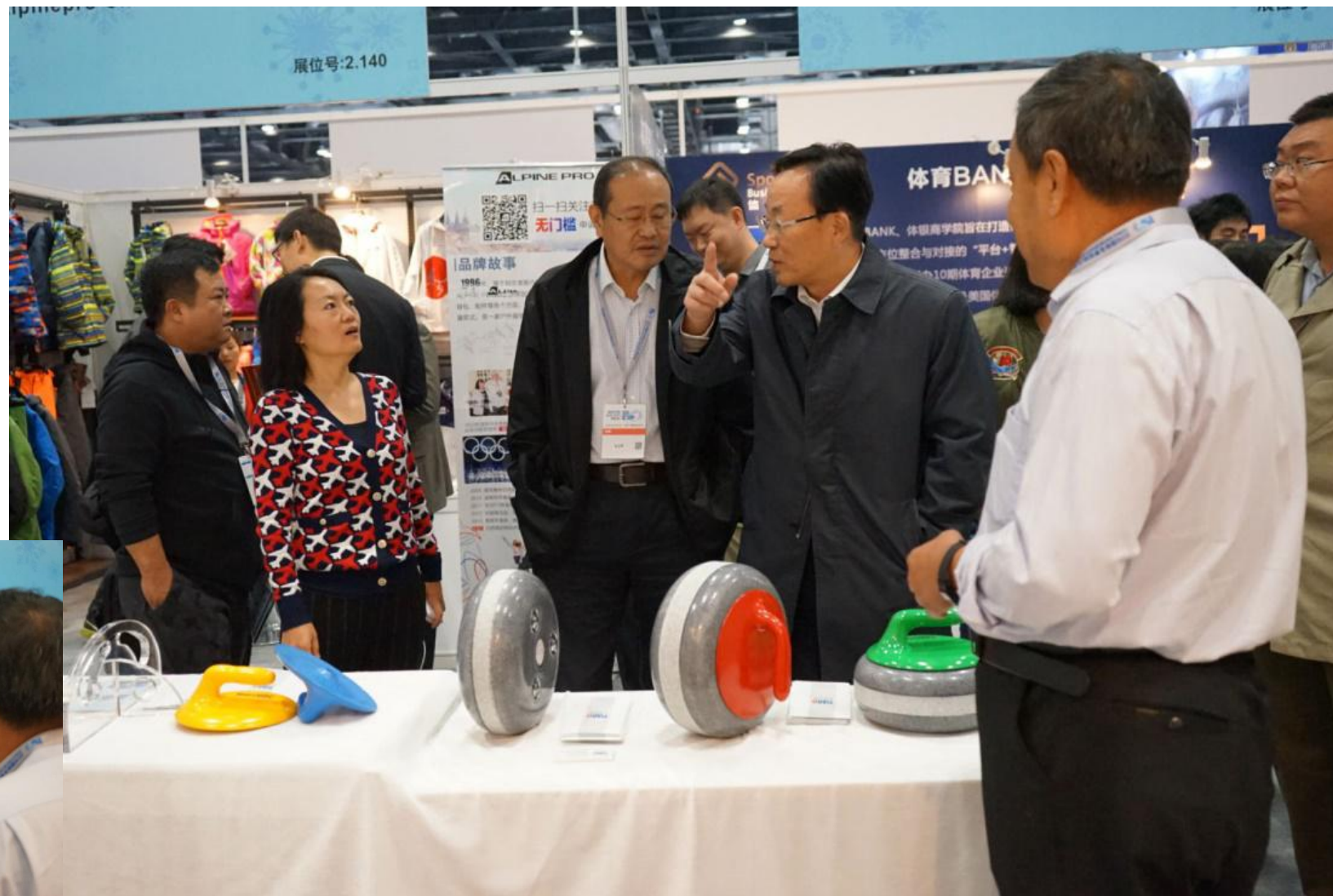
- 美国United Properties (The Nordic Plaza) 英国threeogres, Nationwide 冰壶供应商(2019 - 2020)
Stone Supplier of United Properties (The Nordic Plaza) USA, threeogres UK, Nationwide UK (2019 - 2020)
- 第二届全国青运会陆地冰壶比赛用壶(2019) Stone Supplier of China 2nd Youth Curling Game (2019)
- 北京市中小学冰壶比赛用壶(2019) Stone Supplier of Beijing School Curling Game (2019)
- 上海市陆地冰壶比赛用壶(2019) Stone Supplier of Shanghai Dryland Curling Game
- 江苏省、河北省、山东省、甘肃省、青海省校园陆地冰壶比赛用壶(2018---2020)
Stone Supplier of Jiangsu, Hebei, Shandong, Gansu, Qinghai Province School Curling Game (2018---2020)
- 中国冰壶协会陆地冰壶研制与标准制定(2017-2019)
Take part in Dryland Curling Stone Development and Standard Formulation (2017-2019)
- 香港ballROOM冰壶俱乐部冰壶器材供应商(2017) Stone Supplier of Hong Kong Ballroom Curling Club (2017)
- 俄罗斯、爱沙尼亚、芬兰、TUW designs, 澳大利亚、美国盐湖城奥林匹克基金会, Nationwide... 冰壶器材供应商(2011-2019)
Stone Supplier of Russia, Estonia, Finland, TUW design UK, Australia, USA, Nationwide UK etc. (2011-2019)
- 北京鸟巢冰雪嘉年华冰壶器材供应商(2011-2013)
- Stone Supplier of Beijing Bird Nest Ice&Snow Festival (2011-2013)

领导关怀与肯定 Approval from 2022 BOCWOG Leader



奥组委领导刘敬民对天奥陆地冰壶十分肯定。

Liu Jingmin, leader of 2022 BOCWOG approved Tiano invention on dryland curling



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谢谢! Thank you