



耐火&陶瓷

REFRACTORY
MATERIALS
INDUSTRIAL
CERAMICS

CONTACT:STEPHEN CHYN
EMAIL:STEPHEN.CHYN@GMAIL.COM
CELLPHONE:0086.135.8421.0335

公司简介 Company Profile

无锡市诚信耐火陶瓷有限公司，位于美丽的太湖之滨-江苏宜兴，是生产高档耐火材料、陶瓷产品的专业厂家。

公司拥有高档耐火材料生产线，陶瓷产品的生产及精密加工生产线，工艺成熟、稳定，拥有一支优秀的员工团队。公司依托先进的管理，已通过质量管理体系认证（CQC）。实现网络化、数字化管理。从管理中提升公司产品的品质，提高生产效益，提高管理效益，向客户提供品质始终如一的产品和可信赖的优质服务。

公司秉承“务实、创新、高效、发展”的企业精神，始终坚持“为客户创造价值、为员工创造价值、为社会创造价值”的经营宗旨。始终坚持“以诚信为本”的经营理念，服务于社会，为社会的进步与发展做出应有的努力。

Located in the beautiful lakeside city, Yixing, Wuxi City Sincere Refractory Ceramics Co. Ltd offers its expertise in manufacturing high-grade refractory materials and ceramic products.

We own production lines of high-end refractory materials, ceramic products and precision finishing, equipped with mature, stable technology and an excellent staff team. With advanced management, we have passed China Quality Certification (CQC). By realizing network and digital management, we have improved the quality of products and effectiveness of producing and managing, providing reliable high-quality service.

We pursue the goal of "creating value for clients, employees and the society" on the basic principle of "being pragmatic, innovative, effective and progressive". We devote ourselves to creating an integrity-based enterprise and to making our share of contribution to the society.



氧化铝陶瓷

ALUMINA
CERAMICS



氧化锆陶瓷

ZIRCONIA
CERAMICS



莫来石陶瓷

MULLITE
CERAMICS



堇青石陶瓷

CORDIERITE
CERAMICS

耐火材料

REFRACTORY
MATERIALS



陶瓷产品 Ceramic Products



耐火材料 Refractory Material



生产工艺流程 Manufacturing Process



■ 原料球磨
RAW MATERIAL MILLING



■ 自动干压
AUTO DRY PRESSING



■ 生坯打孔
PUNCHING



■ 喷雾造粒
SPRAY DRYING



■ 干压
DRY PRESSING



■ 生坯车加工
TURNING

原料加工 RAW MATERIAL

产品压制 FORMING

产品烧结 SINTERING



■ 等静压
ISOSTATIC PRESSING



■ 梭式窑
SHUTTLE KILN

压铸 CASTING



■ 热压铸成型
HOT PRESSURE CASTING



■ 电推板窑
THE ELECTRIC PUSH BOARD KILN



研磨&拋光
GRINDING AND LAPPING

产品
PRODUCT



■ 燃气窑
GAS KILN



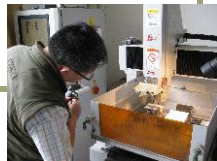
■ 平面磨
FLAT GRINDING



■ 内/外圆磨
INTERNAL/CYLINDRICAL GRINDING



■ 无心磨
CENTERLESS GRINDING



■ CNC数控加工
CNC GRINDING

真空炉用陶瓷 Ceramic Parts With Vacuum Furnace



● 真空炉用陶瓷件

Ceramic parts with vacuum furnace

技术参数 Technical parameter

最高使用温度 Maximum Use Temperature	1800°C
安全使用温度 Maximum Use Temperature	1600°C
抗压强度 Compressive strength	3300MPa
抗弯强度 Flexural strength	300MPa
绝缘强度 Dielectric constant	20 KV/mm (DC)
热膨胀系数 Thermal expansion coefficient	$6/10^{-6} K^{-1}$
密度 Density	$3.9g/cm^3$
氧化铝含量 Alumina	99%
显气孔率 Open Porosity	0

光伏用陶瓷 Photovoltaic Ceramic



● 光伏用陶瓷

Photovoltaic ceramic



应用环境:

还原炉、氯化炉、TCS反应炉、铸锭炉、单晶炉、PECVD, MOCVD, 机械手等。具有出色的耐热冲击抵抗性和高温下抗变形的特点，广泛用于光伏行业。

PHOTOVOLTAIC CERAMICS

Application: reducing furnace, hydrogenation furnace, TCS reacting furnace, ingot furnace, Mono-crystal furnace, PECVD, MOCVD, vacuum chuck for mechanical arm.

These parts have stronger performance of thermal shock resistance and deformation against high temperature, anti-abrasion, anti-corrosion, mechanical and electric strength, reliable insulation, widely used in photovoltaic industry.

烧结用承烧板 Sintering Plate



● 各种烧结用承烧板
All kinds of sintering plate

产品描述

产品经过1750°C以上高温烧结，具有出色的耐热冲击抵抗性和高温下抗变形的特点；强度高、变形小、寿命长，产品表面细致，结合强度佳，不易脱落；高温强度佳，不易变形。

产品特点

可替代现有金属钼板及石墨板等，价格更低廉，使用寿命更长。
产品种类多样化，适应各种不同的烧成条件和烧成设备。
可根据客户需求量身定制各种材质及尺寸的承烧板和支撑柱。
材质有刚玉陶瓷、氧化铝陶瓷、氧化锆陶瓷等。

DESCRIPTION

After above 1750 degrees centigrade sintering, the ceramic tools have excellent capability of high resistance to heat shock and deformation strength., long service life, smooth surface, anti-strip..

PRODUCTION FEATURES:

Due to its cheaper cost and long service life, it can be a substitute for molybdenum plate and graphite plate as being high temperature sintering tools.

With various types of materials, it has the flexibility to adapt to different sintering conditions and sintering equipments.

Ceramic tools and sintering pillars design can be customized according to customer requirements

Kinds: 99% Alumina ceramic, Zirconia ceramic (we can control the material porosity)

APPLICATION:

Powder metallurgy, zirconia ceramics sintering

烧结用坩埚 Sintering Crucible



● 烧结用坩埚
Sintering Crucible

匣钵设计精良，具有适用于尺寸精度高，且很少因化学反应而发生变形的特点，并具有良好的热震性能，广泛应用于粉末冶金，精细陶瓷，电子磁材等的烧成。

可替代现有金属钼匣钵及石墨烧结匣钵等，突破传统的匣钵材料，尺寸更轻薄化，有效增加窑炉烧成量进一步降低成本。

匣钵尺寸、材质可根据客户需求量身定制。

High dimension precision, deformation proof due to chemical reactions, good thermal shock resistance, widely used in power metallurgy, fine ceramics, electronic magnetic materials sintering, etc. It is a breakthrough traditional production process, and substitute of molybdenum and graphite saggars.

Size and material can be customized according to customer requirements.

技术参数 Technical parameter

最高使用温度 Maximum Use Temperature	1500~1800℃
密度 Density	3.0~3.9g/cm ³
氧化铝含量 Alumina	90~99%
显气孔率 Open Porosity	0~15%
窑炉气氛 Kiln atmosphere	真空、还原、氧化气氛均可

Vacuum, Reduction, oxidation

结构陶瓷件 Structure Ceramic



● 结构陶瓷件
Structure Ceramics

产品描述

根据工程技术对产品使用性能的要求，制造出的产品具有高强、高韧、高硬、耐磨、耐腐蚀、耐高温、高热导、绝热及良好生物相容等优异性能。

材料有：高纯氧化铝陶瓷、高纯氧化锆陶瓷、堇青石陶瓷、莫来石陶瓷。

产品特点

高精密度、高耐磨耗、高可靠度机械零组件或电子元件。

产品应用

光伏&半导体行业，机械设备医疗器械，石油化工

DESCRIPTION

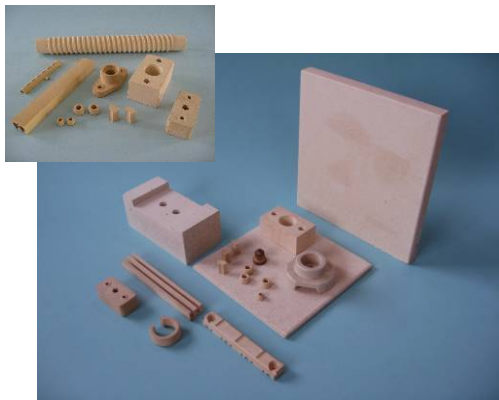
According to engineering and technical requirements for product use, manufactured products have high strength, high tenacity, high hardness, wear resistance, anti-corrosion, high temperature resistance, high thermal conduction, thermal insulation, biocompatible etc.

Material: high purity alumina ceramics, high purity zirconia ceramics, cordierite ceramics, mullite ceramics.

PRODUCTION FEATURES

High dimension precision, high wear resistance, high reliable mechanical and electronic components.

堇青石陶瓷 Cordierite Ceramic



● 堇青石承烧板&制品

Cordierite Plate & Products

产品描述

热震稳定性、抗高温变形能力（蠕变性能）、高温抗折强度、抗釉蒸汽侵蚀能力以及工艺性能等方面各有特点，适用于生产不同形状的窑具产品和不同的应用领域。

产品特点

使用温度：<1300℃

DESCRIPTION

Excellent thermal shock stability and high temperature deformation resistance, glaze steam corrosion resistance and long service life, etc.

PRODUCTION FEATURES

Max use temperature: below 1300 degrees

● 堇青石陶瓷件

Cordierite Products

产品应用

堇青石陶瓷拥有良好的热稳定性，使用寿命长。特别适用在陶瓷、玻璃冶金、化工等快速烧成的辊道窑上使用。

DESCRIPTION

Excellent capability of thermal shock stability and high temperature deformation resistance, glaze steam corrosion resistance and long service life, etc.

Production features

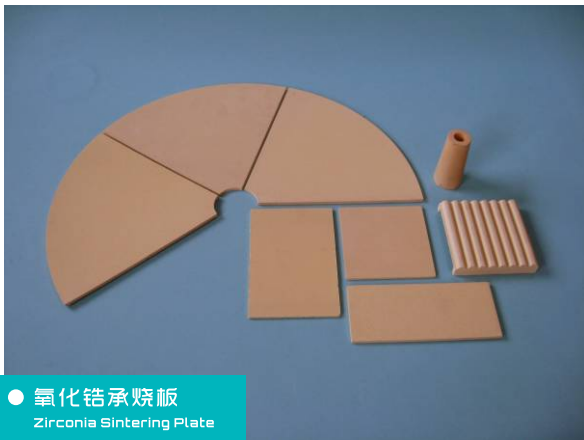
Max use temperature: below 1300 degrees

APPLICATION

This material can be designed different complex shapes kiln furnitures or parts Ceramics ,glass, chemical industry, low temperature quick sintering roller kiln materials, powder metallurgy sintering tools.



氧化锆承烧板 Zirconia Sintering Plate



● 氧化锆承烧板
Zirconia Sintering Plate

产品描述

高性能电子陶瓷承烧板是以电熔高纯度部分稳定氧化锆为原料，经特殊工艺配方高温烧结制成的一种特种耐火材料，具有优良的抗化学侵蚀特性和耐高温特性。

产品特点

能够耐受各种金属氧化物/非金属氧化物熔液侵蚀，强度高，抗热震性优异。与所承烧的陶瓷元件不发生化学反应和粘连，能保证电子陶瓷产品性能的稳定性和一致性，提高烧成产品的合格率。

密度：4.0-4.5g/cm³

产品应用

广泛应用于陶瓷电容器、敏感元件、磁性材料、片式电感等电子元器件行业、真空烧结炉。

DESCRIPTION

High performance electronic sintering plates must use high purity yttria stabilized fused zirconia as raw material, after special process formula and high temperature sintering, this type of sintering plates have excellent capacity of resistance to chemical corrosion and high temperature.

PRODUCTION FEATURES:

This material can bear a variety of corrossions of oxide of metals and nonmetals molten liquid. Good high strength and heat shock resistance. It does not have mutually chemical reactions or adhesion to the components it carries, and it can guarantee the component performance of stability and consistency, improve sintering product percent of pass.

Density :4.0-4.5 g/cc

APPLICATION

Widely use in ceramic capacitors, sensitive components, magnetic material, chip inductors, etc. electronic components and vacuum sintering furnace field.

半导体及绝缘陶瓷 Semiconductor & Insulated Ceramic



● 半导体及绝缘耐磨件

Semiconductor &
Insulated and wear resistant ceramics

产品特点

高精度、高耐磨耗、高硬度。

产品应用

半导体MOCVD

避雷器瓷座

高压绝缘子

大型密封环

磨加工磨盘等

PRODUCTION FEATURES

High dimension precision

High wear resistance

High hardness

APPLICATION

Semiconductor, MOCVD

Lightning arrester ceramics

Large seal ring

Grinding mill

莫来石陶瓷 Mullite Ceramic



● 锚固件

Anchor Ceramics

产品描述

根据窑炉结构、炉膛温度、环境气氛应选用不同结构和不同材质的锚固件。

产品特点

适应温度范围广：<1600℃
锚固结构合理，锚固牢固。

产品应用

陶瓷纤维模块、折叠块的固定。
各种耐火砖、浇注料的固定。
纤维喷涂的锚固固定。
各种高温板材、高温装置的固定连接。

DESCRIPTION

Various anchor ceramics of structures and different material anchors for different industrial furnace structures, chamber temperatures, and atmosphere.

PRODUCTION FEATURES

Wide operating temperature range: below 1600 degrees centigrade
Reasonable structure and anchor firmly

APPLICATION

Fixed for ceramic fiber module, all kind of firebricks, castable, fiber spray coating, high plates, high temperature devices.

● 护套及异形件

The sheath and special parts

产品描述

莫来石陶瓷具有高熔点、抗蠕变性、低膨胀系数、抗热震性及抗腐蚀性优良的特点。

产品特点

适应温度范围广：<1600℃
密度：2.0g/cm³

产品应用

喷嘴、酸气废热锅炉、烧结坩埚、粉末冶金。

DESCRIPTION

Mullite ceramics have the performance of high melting point, low expansion coefficient, thermal shock resistance and corrosion resistance, etc.

PRODUCTION FEATURES

Wide operating temperature range: below 1600 degrees centigrade
Density:2.0 g/cc

APPLICATION

Nozzle, acid gas exhaust boiler, sintering crucible, powder metallurgy.



刚玉莫来石材料 Corundum Mullite Material

● 刚玉莫来石舟皿

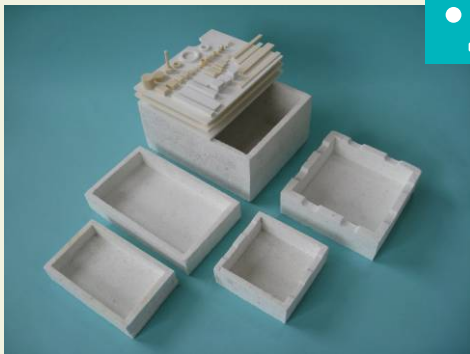
Corundum Mullite Sagger

产品特点
使用温度：1800℃
密度：2.75-3.0 g/cm³

产品应用
氧化气氛、真空、气氛保护环境均可。

PRODUCT FEATURES
Max use temperature: 1800℃
Density: 2.75-3.0 g/cc

PRODUCT APPLICATION
Oxidation ,vacuum ,inert. Hydrogen
nitrogen gas atmosphere.



● 各类窑具

Kiln Furnitures

产品描述

根据工业窑炉结构、炉膛温度、环境气氛选用不同结构和不同材质的窑炉材料。种类有刚玉莫来石、氧化铝空心球保温材料、九九刚玉底板砖。

产品特点

使用温度：1800℃

产品应用

孔道材料：
顶砖、墙砖、底砖、导轨等。

保温材料：

塞砖、顶保温砖、侧保温砖。



Different structure and furnace materials for different industrial furnace structures ,furnace temperature and atmosphere,

Furnace material types as follows :corundum mullite ,alumina hollow ball thermal insulation material ,pure corundum bottom board.

PRODUCT FEATURES

Max use temperature : 1800

Product application

Oxidation ,vacuum ,inert. Hydrogen nitrogen gas atmosphere.

多功能燃气推板窑 Multifunctional Gas Push Board Kiln

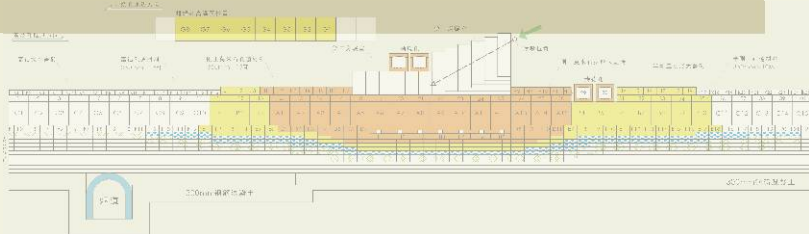
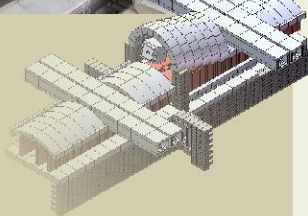


● 用途及特点

Use and characteristics

本窑炉属连续性作业的多功能焙烧窑炉，主要实现配套火花塞组件生产的工艺，集烤花、素烧、釉烧三合一同步完成，实现热能充分利用，降低产品烧成成本。

This is a continuous working multi-functional kiln, suit for mass manufacturing spark plug ceramics, which realizes the triad production technology of decoration firing, biscuit firing, glaze firing, and makes full use of thermal energy, reduces the cost of sintering.



电推板窑 Electric Push Board Kiln

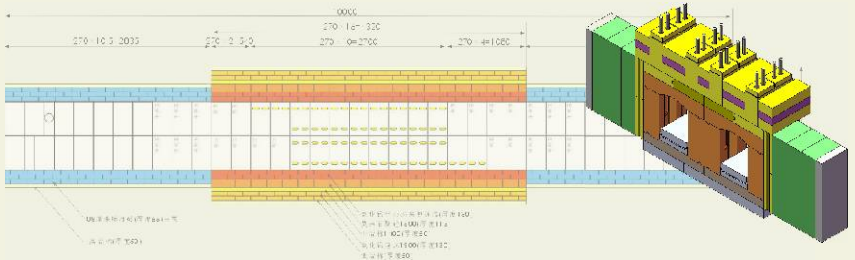


● 用途及特点

Use and characteristics

控制柜每个发热温区配有独立设定、调节装置。
组控温方式：采用可控硅触发，PID调节，用RKC控温表。
三组高温配有专用变压器。
最高烧结温度：1800℃

Each heating zone has independent control, regulation device.
Control temperature mode: apply silicon controlled triggers, and PID adjustment.
Each group of high temperature has its individual transformer.
Max use temperature: 1800 degrees centigrade





无锡市诚信耐火陶瓷有限公司

Wuxi city Sincere Refractory ceramics Co.,Ltd

地址：江苏宜兴市丁蜀镇湖光路8号

No.8 HuGuang Road Yixing City Jiangsu Province,P.R.C

电话：86-510-87499118

传真：86-510-87491189

网址：www.chinanrc.com

电邮：chinanrc@gmail.com

