



**Win-win
Cooperation**



DONGGUAN TINOK PRECISION CERAMICS CO., LTD

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China



**Based products
Create quality products**

2024 Company Profile

About Us | Manufacturing Facilities | Products | Materials & Application

PRECISION CERAMICS MANUFACTURER

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PART 01

公司简介

About Us





TINOK Precision Ceramics was established in 2016, located in Dongguan city, China. It's a professional factory of producing precision ceramic (Zirconia, Alumina, Si₃N₄, SiC) products that serving both domestic and overseas customers.

The company offers one to stop service, from forming, sintering, processing and inspection, mainly accepting customization based on drawings and samples. The precision ceramic products we produce are widely used in industries such as photovoltaic & new energy, semiconductors, medical & food, measuring tools, electronic appliances, petroleum & mining, military, aerospace, etc., to meet the diverse needs of customers.

TINOK Ceramics has a complete set of production equipment, such as molding equipment: isostatic pressing molding machine, dry pressing molding machine, injection molding machine; Sintering furnace; Processing equipment: flat grinding, centerless grinding, internal cylindrical grinding, external cylindrical grinding, internal & external cylindrical grinding, honing, punching, CNC machining center, etc.

In addition, the company obtained ISO 9001-2015 quality system certification and independent import-export license.

PART 02

生产设备

Manufacturing Facilities





生产设备

Manufacturing Facilities



WORKSHOP DISPLAY 车间展示



平磨 Grinding



精雕 CNC



精磨 F-Grinding

冲子机 Punching



粗磨 R-Grinding



检测 QC





设备清单

Equipment List



加工设备清单

LIST OF PROCESSING EQUIPMENT

序号 No.	设备名称 Name	总数量 Total Qty	数量 Qty	精度 Precision	品牌 Brand	型号 Type	产地 Place of origin	最大行程(mm) Max stroke(mm)
1	无心磨床 Centerless Grinder	6pcs	6pcs	0.003	捷和 Jiarhe	JHC*12S	Taiwan	ø60*800
2	平面磨床 Surface Grinding Machine	15PCS	12PCS	0.002	曙光 Shuguang	SGM*450	China	450*150*300
3			3PCS	0.002	冈本 Okamoto	ACC35011	Japan	
4	冲子机 Pin-less Grinding Machine	13PCS	13PCS	0.002	正佳 Zhengjia	WE6800*2	China	ø50*80
5	数控车床 CNC Lathe	3PCS	2PCS	0.01	广中数控	VIVA T2C*500	China	ø280*200
6			1PCS	0.005	马扎克 MAZAK	QTE-100L	Japan	ø180*100
7	桌上车床 Table Lathe	3PCS	3PCS	0.05-0.1	精诚 Jingcheng	B*25	China	ø25*500
8	CNC高速机 CNC Milling Machine	3pcs	3pcs	0.01	常准	650	TAIwan	650*550*450
9	CNC精雕机 CNC Engraving and Milling Machine	3PCS	3PCS	0.005	北京精雕 JD	JDKGT600	China	600*500*250
10	CNC加工中心 CNC Machine	2pcs	2pcs	0.03	台致诚 Taizhicheng	TL*860VMC*L	China	800*550*450

检测设备清单

TEST EQUIPMENT LIST

Wanhao Projector	2 pcs
Mitutoyo Magnifying Display instrument	1 set
Mitutoyo Micrometer calipers	10 pcs
Mitutoyo Percentile calipers	20 pcs
Mitutoyo Dial indicator	4 pcs
Mitutoyo Micrometer Height Gauge	5 pcs
Nikon Height Gauge	2 pcs
Mitutoyo Outer Diameter Dial meter	10 pcs
Mitutoyo Roughness meter	1 pc
Standard 0.001 ceramic needle gauges 1mm-20mm	1 full set
M2-M20 Standard ceramic gauges	1 full set
1mm-20mm standard 0.001 ceramic ring gauges	1 full set

PART 03

产品介绍

Introduction of Products





经营产品

Products Manufactured



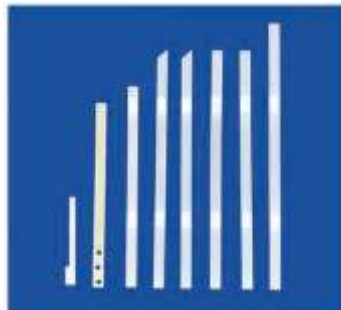
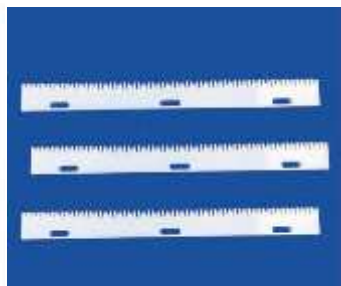
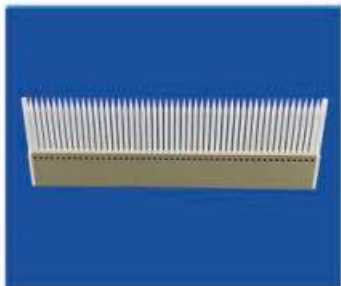
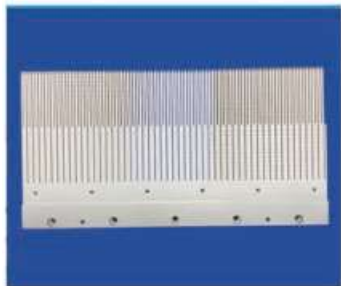
搬运晶圆片机械手臂
Ceramic arms for carrying wafers

微孔陶瓷吸盘
Microporous ceramic sucker



经营产品

Products Manufactured



光伏 & 新能源
Photovoltaic & New energy



经营产品
Products Manufactured



医疗 & 食品泵 / 阀
Medical & Food pumps / valves



经营产品
Products Manufactured



石油 & 采矿
Petroleum & Mining



经营产品

Products Manufactured



其他行业
Other Industries

PART 04

材料&应用

Material & Application





氧化锆材料特性

Properties of zirconia materials

氧化铝材料特性

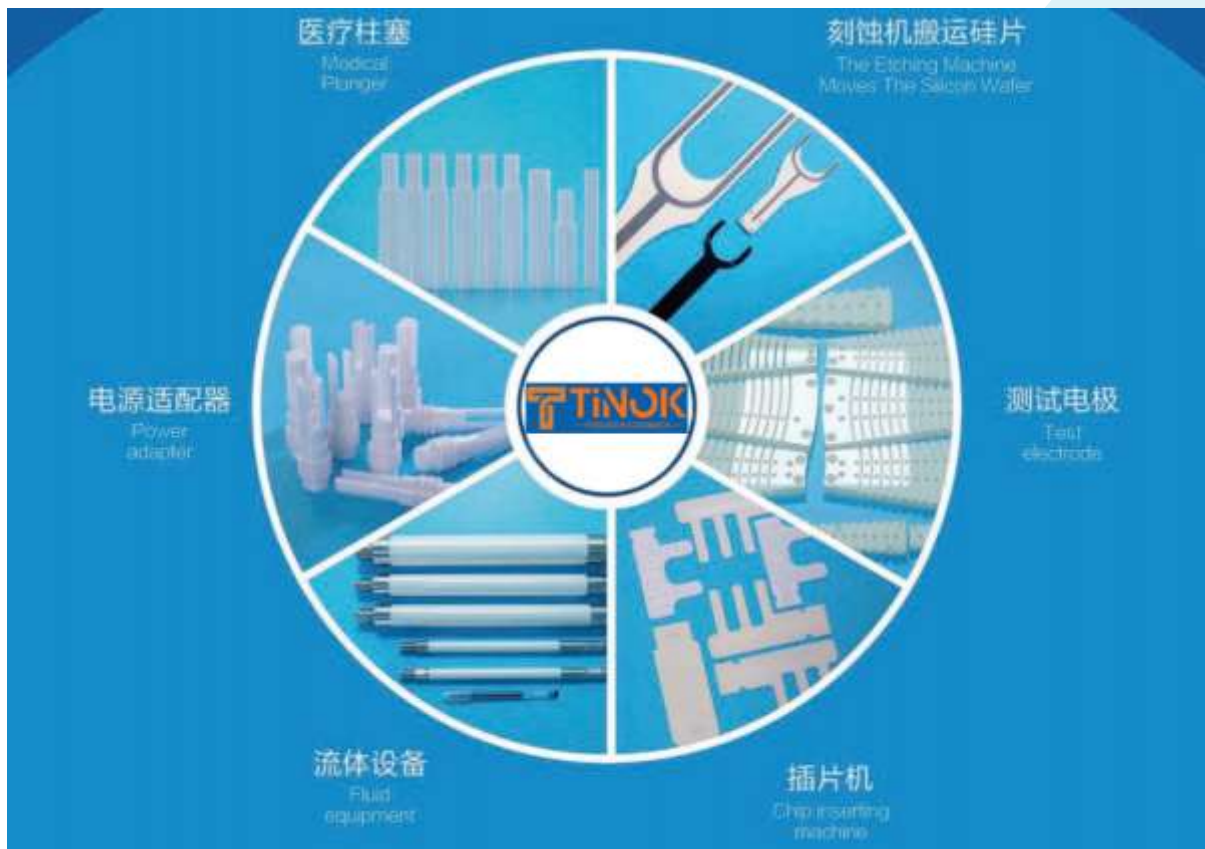
Properties of alumina materials

项目 item	数值 Data	单位 Unit
密度 Density	6.02	g/cm ³
显微硬度 Microhardness	1200	HV0.5
弯曲硬度 Bending hardness	800	MPa
抗压强度 Compressive strength	3000	MPa
断裂韧性 Fracture toughness	8	MPa.m ^{1/2}
弹性模量 Elastic Modulus	200	GPa
热膨胀系数 Coefficient of thermal expansion	10	10 ⁻⁶ /K
热震稳定性(水冷却) Thermal shock stability (water cooling)	300	ΔT°C
20°C电阻率 The 20°C resistivity	>10 ¹³	ΩCM
最高使用温度 Maximum service temperature	1000	°C

项目 item	数值 Data	单位 Unit
密度 Density	3.85	g/cm ³
显微硬度 Microhardness	1600	HV0.5
弯曲硬度 Bending hardness	310	MPa
抗压强度 Compressive strength	2400	MPa
断裂韧性 Fracture toughness	3-4	MPa.m ^{1/2}
弹性模量 Elastic Modulus	340	GPa
热膨胀系数 Coefficient of thermal expansion	7-8	10 ⁻⁶ /K
热震稳定性(水冷却) Thermal shock stability (water cooling)	200	ΔT°C
20°C电阻率 The 20°C resistivity	>10 ¹⁴	ΩCM
最高使用温度 Maximum service temperature	1600	°C



APPLICATION AREA
SAMPLE DISPLAY
应用领域/样品展示



PART 05

市场&收入

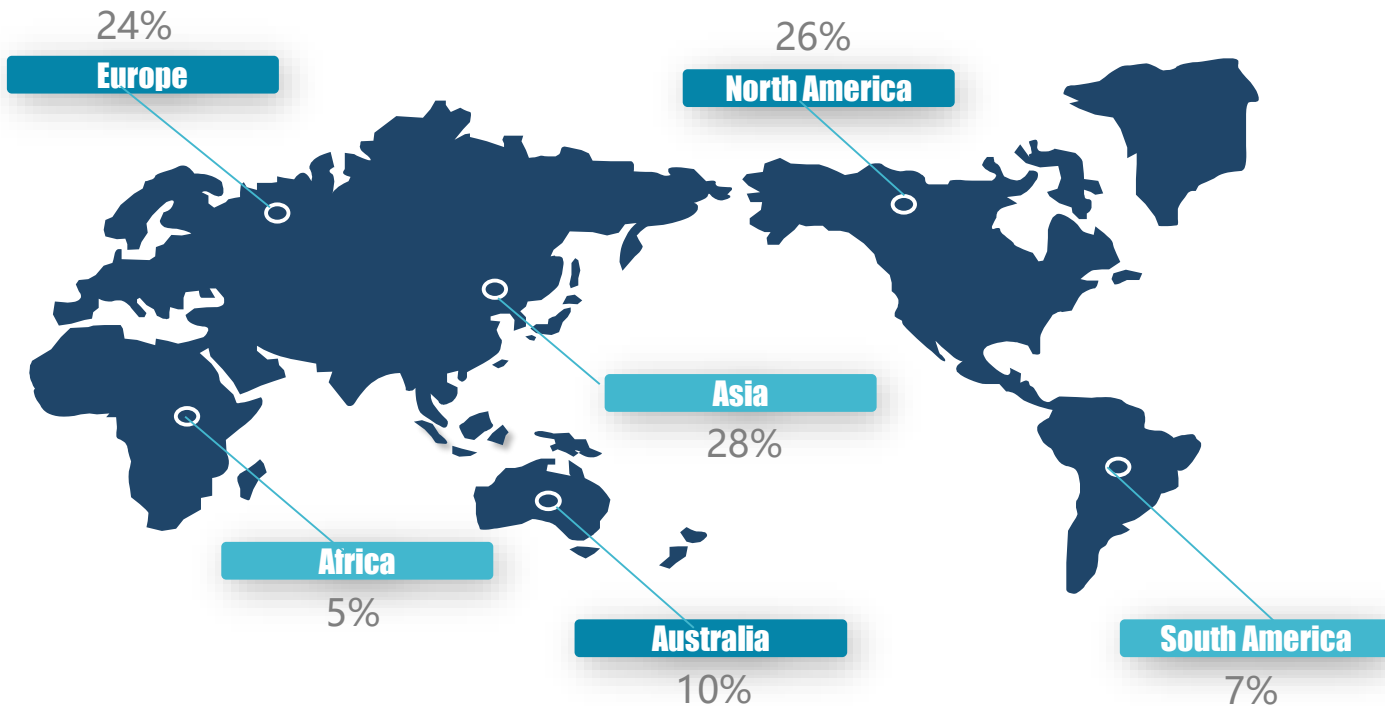
Markets & Revenues





国外市场

Overseas Market

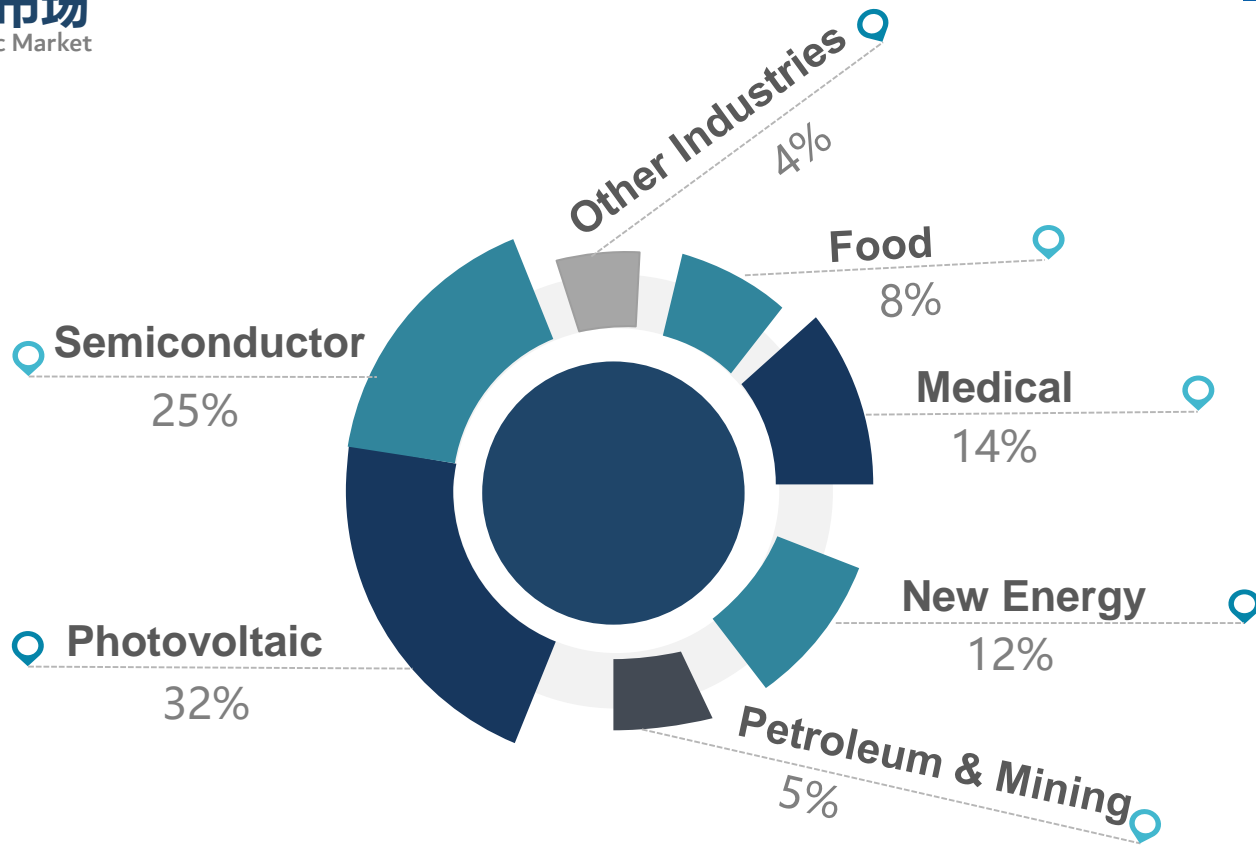


We will prove with our strength that we are the best, let's bravely do it!



国内市场

Domestic Market



We will prove with our strength that we are the best, let's bravely do it!



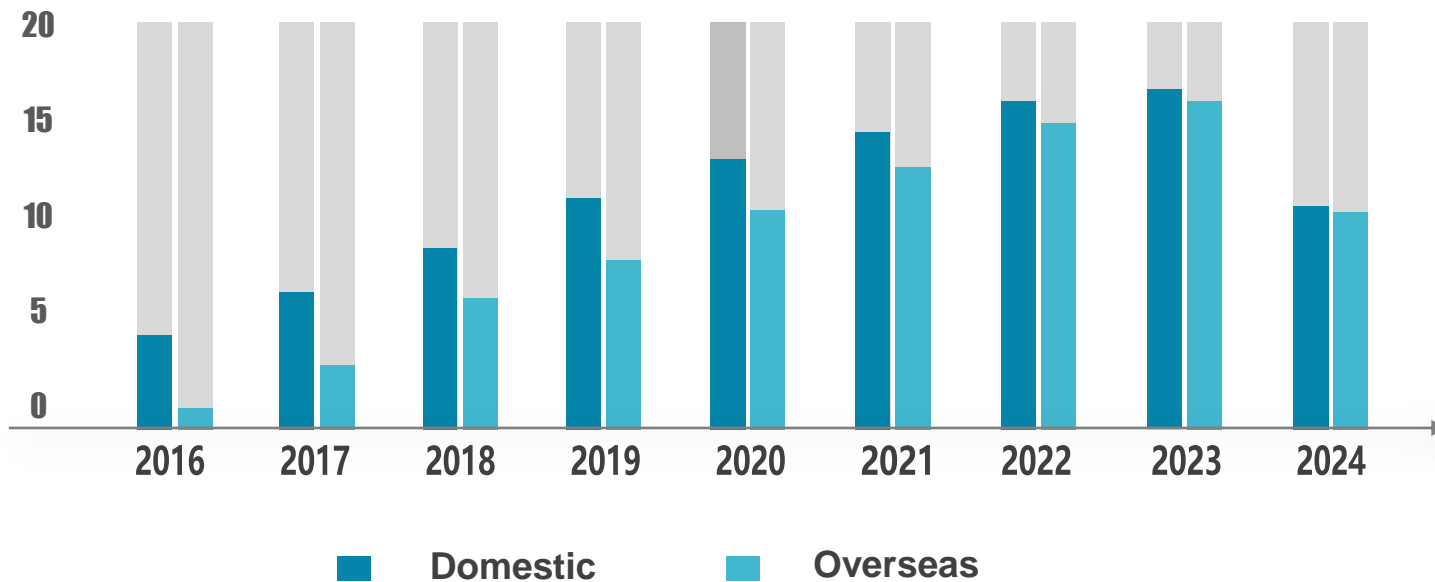
年度收入

Annual Revenues



We are constantly growing and expanding!

Unit : Million(CNY)



PART 06

合作伙伴

Cooperation Partners





合作伙伴

Cooperation Partners



SERVICYSYSTEM
COOPERATIVE CUSTOMERS
服务体系/合作客户 ▶



Taking “3 High & 3 Fast” as our service tenet

以“三高三快”为服务宗旨

1 以高品质 高要求 高效率 来满足客户需求!
To high quality, high requirements, high efficiency, to meet customer needs!

2 对客户所遇到的疑问, 提供解决方案 快!
Provide quick solutions to customer problems.

3 对客户所需要的预期, 生产交期快!
The production delivery time is fast in anticipation of customer needs.

4 对客户后续遇到的问题, 维修服务快!
Follow-up to customer's after-sales problems, quick maintenance services.



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谢谢观看
THANK YOU

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